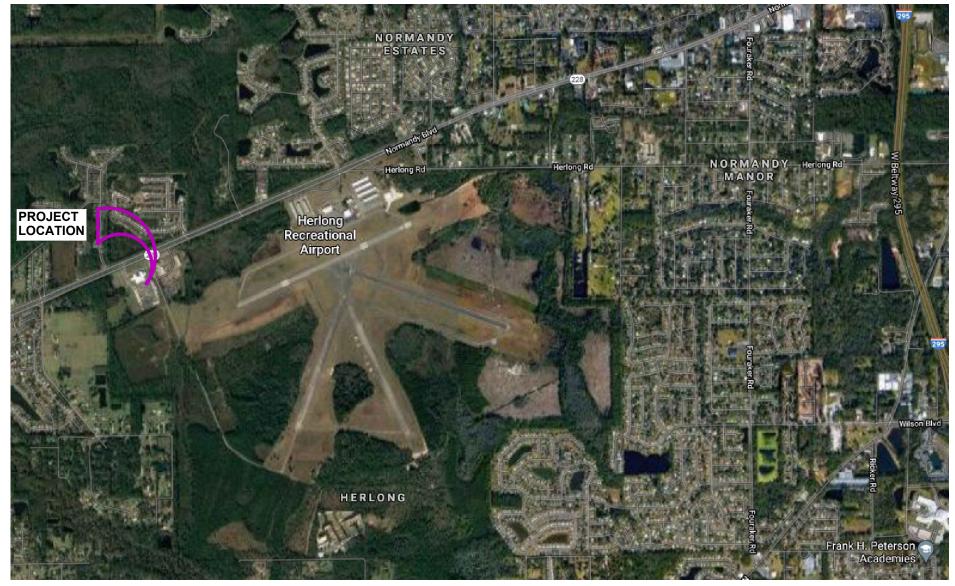
# JACKSONVILLE FMS #11 CONSTRUCT PEMB PARTS STORAG PROJECT #12219016

9900 NORMANDY BLVD JACKSONVILLE, FLORIDA, 32221 CONSTRUCTION DOCUMENTS





		REVISION HISTORY
REVISION NO.	DATE	REVISION DESCRIPTION

J: \F11508\Architecture\01\_Architectural\01\_F11508\_CS\_Cover Sheet.dwg, 6/24/2021 11:11:22 AM, Ocampo, John, \_cph - Civil And Landscape.stb

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# **PROJECT INFORMATION:**

THIS PERMIT APPLICATION IS FOR THE CONSTRUCTION OF A NEW STORAGE WAREHOUSE. THE IMPROVEMENTS CONSIST OF A NEW PRE-FABRICATED METAL BUILDING WITH VENTILATION AND ELECTRICAL.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE SIGNED AND SEALED PLANS FOR THE PRE-ENGINEERED METAL BUILDING ASSEMBLY AND CONCRETE FOUNDATION SYSTEM.

# **BUILDING CODES:**

**BUILDING DATA:** 

OCCUPANCY:

CONSTRUCTION TYPE:

NUMBER OF STORIES: BUILDING HEIGHT:

GOVERNING JURISDICTION: CITY OF JACKSONVILLE BUILDING INSPECTION DIVISION

FLORIDA BUILDING CODE, 7TH EDITION	2020
FLORIDA BUILDING CODE - ACCESSIBILITY	2020
FLORIDA MECHANICAL CODE,7TH EDITION	2020
FLORIDA PLUMBING CODE, 7TH EDITION	2020
NATIONAL ELECTRICAL CODE (NFPA 70)	2017
FLORIDA FIRE PREVENTION CODE, 7TH EDITION	2020

# LIFE SAFETY SYSTEM:

EMERGENCY LIGHTING: EXIT SIGNS: FIRE ALARM & SMOKE DETECTION SYSTEM:

<u>YES</u> <u>YES</u> <u>NO</u>

DESIGNERS OF RECORD:

## ARCHITECT:

JOHN A BAER, AIA CPH INC

# MECHANICAL/PLUMBING:

JEFF A DEAL P.E. CPH INC

ELECTRICAL:

GREGORY TAYLOR P.E. CPH INC

CIVIL: WADE OLSZEWSKI P.E. CPH INC 500 WEST FULTON ST. SANFORD, FL 32771

500 WEST FULTON ST. SANFORD, FL 32771

500 WEST FULTON ST. SANFORD, FL 32771

5200 BELFORT PKWY #220 JACKSONVILLE, FL 32256 407-322-6841 JBAER@CPHCORP.COM

WAREHOUSE

IIB, NON-FIRE SPRINKLERED

15'-0" (PEAK OF ROOF)

407-322-6841 JDEAL@CPHCORP.COM

407-322-6841 GTAYLOR@CPHCORP.COM

904-332-0999 WOLSZEWSKI@CPHCORP.COM

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E1.1       NEW ELECTRICAL BUILDING PLAN         E2.0       ELECTRICAL PANEL SCHEDULE         OK       REVIEW SET         RNATE BID ITEMS (ABI):         DN OF ABI         ELEPHONE SYSTEM         ELEPHONE SYSTEM         NING FANS: BIG ASS FANS, GREENHECK, CAPTIVEAIRE         MUST FAN: GREENHECK, CAPTIVEAIRE         MUST FAN: GREENHECK, CAPTIVEAIRE         MUST FAN: GREENHECK, CAPTIVEAIRE	E1.1       NEW ELECTRICAL BUILDING PLAN         E2.0       ELECTRICAL PANEL SCHEDULE         SCARE SEET         SCARE S				Sund	Col.
E20       ELECTRICAL PANEL SCHEDULE         OK       REFERICAL PANEL SCHEDULE         ON OF ABI       REFER TO SHEET         SLEPHONE SYSTEM       E1.0         VING RACK UNITS: HUSKY, STANLEY, LYON       A1.0         NG FANS: BIG ASS FANS, GREENHECK, CAPTIVEAIRE       M1.0         UST FAN: GREENHECK, CAPTIVEAIRE       M1.0         Q Q Q Q Q       Esigned:         Drawn:       Checked:         Job No: F11508       Data	E20       ELECTRICAL PANEL SCHEDULE         % REVIEW SET         NATE BID ITEMS (ABI):         NN OF ABI         REFER TO SHEET         ELEPHONE SYSTEM         EIG ASS FANS, GREENHECK, CAPTIVEAIRE         MI.0         UST FAN: GREENHECK, CAPTIVEAIRE         MI.0         STAN: GREENHECK, CAPTIVEAIRE         MI.0         MI.0 <td></td> <td></td> <td></td> <td>*DEb</td> <td></td>				*DEb	
% REVIEW SET         NATE BID ITEMS (ABI):         NO F ABI         ELEPHONE SYSTEM         ELEPHONE SYSTEM         VING RACK UNITS: HUSKY, STANLEY, LYON         A1.0         NG FANS: BIG ASS FANS, GREENHECK, CAPTIVEAIRE         M1.0         UST FAN: GREENHECK, CAPTIVEAIRE         M1.0         Designed:         Drawn:         Checked:         Job No: F11508	% REVIEW SET         NATE BID ITEMS (ABI):         NOF ABI       REFER TO SHEET         ELEPHONE SYSTEM       E1.0         VING RACK UNITS: HUSKY, STANLEY, LYON       A1.0         NG FANS: BIG ASS FANS, GREENHECK, CAPTIVEAIRE       M1.0         UST FAN: GREENHECK, CAPTIVEAIRE       M1.0         VING RACK UNITS: HUSKY, STANLEY, LYON       A1.0         NG FANS: BIG ASS FANS, GREENHECK, CAPTIVEAIRE       M1.0         UST FAN: GREENHECK, CAPTIVEAIRE       M1.0         VINOUTONINGUNG       M1.0         NOT FI1508       Date: 3172021         NOT KONNOUTONING       M1.0				E THE	CAR'
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Date: 3/17/2021	R SHEET, DRAWING INDEX ILDING INFORMATION	EENHECK, CAPTIVEAIRE		M1.0	Designed: Drawn: Checked:	
CERTIFICATION         TO THE BEST OF THE ARCHITECT'S KNOWLEDGE,	INFORMATION, AND BELIEF, COMPLETE SET OF F	TO THE BEST OF THE ARCHITECT'S KI		ΣE,	COVER SHEET, BUILDING IN THIS SHEET	TION WIT
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6/24/2021 DATE



## **CITY OF JACKSONVILLE NOTES** GENERAL

All construction shall be performed in accordance with the approved plans and comply with all standard city policies and practices. City approval is contingent upon any required state or federal permit approvals such as those from the Department of Environmental Protection or the St. Johns River Water Management District (SJRWMD).

## UTILITY WORK

Plan approval through Development Services does not include utilities. Proposed water, sewer or electric construction must be approved separately through the respective utility company. In most cases, this will be

JEA Tower - 4th Floor 21 W. Church Street Jacksonville, FL 32202

http://www.jea.com/bus

# WORK WITHIN THE RIGHT-OF-WAY

CITY: Except for new subdivision infrastructure construction, all work performed within a City of Jacksonville right-of-way or easement requires a Right-of-way Permit. The contractor performing the proposed work must have a current Right-of-way Bond on file with Development Services. Right-of-way Permit applications are processed at:

Development Services Customer Service Counte Edward Ball Building, 2nd Floor 214 N. Hogan St. Jacksonville, FL 32202 (904) 255-8572

http://row.jaxdev.info

STATE: All work performed within a state right-of-way requires a permit from the Florida Department of Transportation (FDOT). It is the developer's responsibility to obtain required FDOT permits or maintenance-of-traffic approvals for work within FDOT right-of-ways. The FDOT regional office can be contacted at (904) 360-5200 Any changes to the approved plans needed for FDOT approval must be submitted to Development Services as revisions.

Adjacent State Roads

RAILROAD: Railroad companies may require special approvals or permits to work within their right-of-ways. It is the developer's responsibility to obtain permission from any railroad right-of-way owner before performing any work within their right-of-way.

## STORMWATER

Annual reports in compliance with the SJRWMD stormwater permits are required from the maintenance entity of all stormwater management facilities. Send copies of the reports to:

Engineering and Construction Management Edward Ball Building, 10th Floor 214 N. Hogan St.

Jacksonville, FL 32202 http://www.coj.net/Departments/Public+Works/Engineering+and+Construction+Managemen

The owner of any project one (1) acre or larger is required to provide a Notice of Intent (NOI) in accordance with criteria set forth in the city's NPDES permit within 48 hours of beginning construction. Send NOI and NOI fee to:

Florida Department of Environmental Protection NPDES Stormwater Notices Center, Mail Station #251 2600 Blair Stone Road Tallahassee, Florida 32399-240

(866) 336-6312 http://www.dep.state.fl.us/water/stormwater/np

The contractor shall contact the Environmental Quality Division, Erosion and Sedimentation Control Section (ESC) to provide verification that applicable stormwater permits have been obtained and to schedule a pre-construction ESC site inspection:

Environmental Quality Divisi 407 North Laura Street, Third Floo Jacksonville, FL, 32202 (904) 255-7222

# TRAFFIC ENGINEERING

\_\_\_\_\_

1 per plat

TRAFFIC SIGNS

Metro Name (each)

Standard (each)

Stop/Yield (each)

Design (per plat)

Installation (per hour) 1 per 2 signs (rounded up)

\_\_\_\_\_ Streetlights Required

NOTE: Traffic sign costs change from time to time. Consult Attachment 8 of the Land Development Procedures Manual (http://ldpm.jaxdev.com/) for the current rates before paying for any sign installations

No lane closures allowed from 7 a.m. till 9 a.m. and from 4 p.m. till 6 p.m.

# **FIRE MARSHALL**

Plan review and approval does not relieve the contractor of complying with all applicable State Fire Codes.

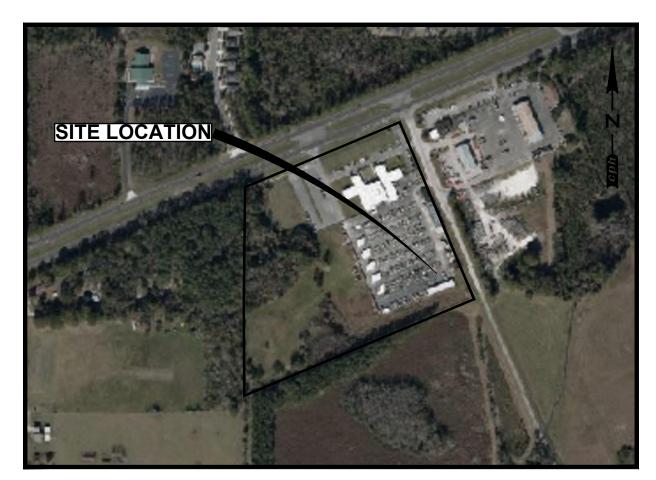
Underground mains and hydrants shall be installed, completed, and in service prior to construction work.

Underground contractor shall submit to the Fire Marshall for approval complete specs for all underground pipe and fittings relating to fire protection PRIOR to installation and inspection. Contractor shall include manufacturer's name and pipe ID along with contractor's state license number.

## LANDSCAPE

A Site Work Permit is required for this project. Tree Fund payment is due: inches at \$ inches at \$\_ Article 25 funds are due: (B) **– o**– (NOT) - NO TRUCKS (R5-2A BUS STOP (R7-7 (DNE) O NOT ENTER (R5-1) (NP) - NO PARKING (R7-1) NO PARKING - FIRE LANE (R7-94) (1W) - ONE WAY (R6-1L) (R6-1R) HANDICAP (FTP-25) (PE) - PEDESTRIAN CROSSING (W11-2) (RTO) - RIGHT TURN ONLY (R3-5R) KEEP RIGHT (R4-7A) (KR) -0-KEEP LEFT (R4-8A) (R1) 8 ROW NUMBER (SL) - SPEED LIMIT (R2-X) LEFT TURN ONLY (R3-5L) MEDIAN (R4-7) (R4-8) (ST) - STOP (R1-1) (TZ) TOW AWAY ZONE (R7-201) (ND) -o-NO DUMPING (NL) - NO LEFT TURN (R3-2) (TE) - TRUCK ENTRANCE (WL) - WEIGHT LIMIT (R12-5 (NOR) • NO RIGHT TURN (R3-1) (WW) - WRONG WAY (R5-1A) (Y) • YIELD (R1-2)

J: \F11508 Jax Armory\Civil\DWG\\_Current\_Plan\_Set\F11508-C0VER.dwg, 4/28/2021 2:24:51 PM, Schneider, David, \_cph - Civil And Landscape.stb



## **ABBREVIATION/** SIGN LEGEND

A/C	- AIR CONDITIONER
APPROX	- APPROXIMATE
ASPH	- ASPHALT
AVG	- AVERAGE
BFP	- BACK FLOW PREVENTER
BLK	- BLOCK
BLDG	- BUILDING
BOC	- BACK OF CURB
BOW	- BACK OF WALL
C & G	- CURB & GUTTER
CE	- CONSTRUCTION ENTRANCE
	- CENTERLINE
C/L CMP	
CO	- CLEAN OUT
CONC	
	- DEPARTMENT
DS	- DOWN SPOUT
ELEC	- ELECTRIC
EM	- ELECTRICAL METER
ELEV	- ELEVATION
EOP	- EDGE OF PAVEMENT
FDC	- FIRE DEPARTMENT CONNECTION
FDOT	- FLORIDA DEPARTMENT OF TRANSPORTATION
FF	- FINISH FLOOR
FG	- FINISH GRADE
FH	- FIRE HYDRANT
FM	- FORCE MAIN
FOC	- FACE OF CURB
	- FLORIDA POWER AND LIGHT
GOV'T	
HB	- HOSE BIB
HC	- ADA ACCESSIBLE
HDPE	
INV	- INVERT
IRR	- IRRIGATION
ME	- MATCH EXISTING ELEVATION
MES	- MITERED END SECTION
MH	
PVC	- POLYVINYL CHLORIDE PIPE
PVMT	- PAVEMENT
R	- RADIUS
RCP	- REINFORCED CONCRETE PIPE
REV	- REVISION
R/W	- RIGHT-OF-WAY
SF	- SQUARE FEET
S/W	- SIDEWALK
тов	- TOP OF BANK
TOE	- TOE OF SLOPE
TW	- TOP OF WALL
TYP	- TYPICAL
UNK	- UNKNOWN
UTL	- UNDERGROUND TELEPHONE LINES
W/	- WITH
WV	- WATER VALVE

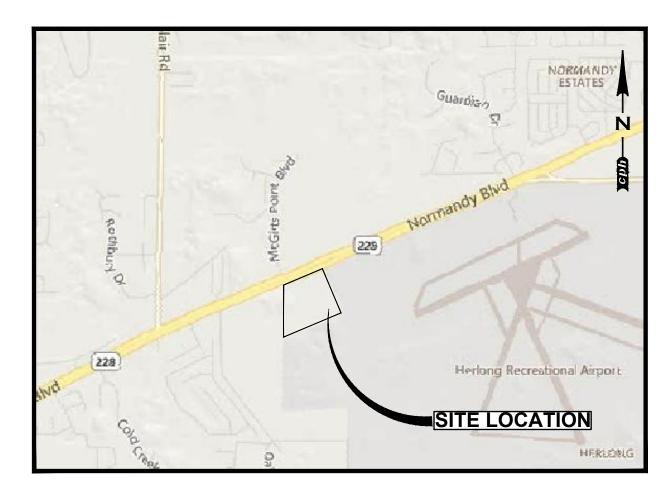
# **CONSTRUCTION PLANS FOR SNYDER FMS PEMB STORAGE**

# **9900 NORMANDY BOULEVARD JACKSONVILLE, FLORIDA**

# **SECTION 32 - TOWNSHIP 2 SOUTH - RANGE 25 EAST**

**PARCEL ID: 009029-0020** 

**PROJ. #12219016** 



## VICINITY MAP

1" = 500' **CITY OF JACKSONVILLE, FLORIDA** 

## **PROJECT CONTACTS**

**OWNER/DEVELOPER** 

CITY OF JACKSONVILLE C/O TIITF / DEPARTMENT OF MILITARY AFFAIRS 3900 COMMONWEALTH BLVD. HERLONG ARMORY TALLAHASSEE, FLORIDA 32399

## ENGINEER

CPH, INC. 5200 BELFORT ROAD, SUITE 220 JACKSONVILLE, FLORIDA 32256 ATTN.: WADE P. OLSZEWSKI, P.E (904) 332-0999

## SURVEYOR

CPH, INC. 520 PALM COAST PARKWAY S.W. PALM COAST, FLORIDA 32137 ATTN.: JEFFREY W. PATTERSON, P.S.M. (386) 445-6569

## ARCHITECT

CPH, INC. **500 WEST FULTON STREET** SANFORD, FLORIDA 32771 ATTN.: JOHN A. BAER, AIA, NCARB, LEED AP (407) 322-6841

### LANDSCAPE

ARCHITECT CPH, INC. **500 WEST FULTON STREET** SANFORD, FLORIDA 32771 ATTN.: MAXWELL D. SPANN, R.L.A. (407) 322-6841

## GEOTECHNICAL

**MESKEL & ASSOCIATES ENGINEERING** 3728 PHILLIPS HWY., SUITE 208 JACKSONVILLE, FLORIDA 32207 ATTN.: P. RODNEY MANK, P.E. (904) 519-6990

## **ELECTRIC**

JACKSONVILLE ELECTRIC AUTHORITY C0.1 21 WEST CHURCH STREET T-4 V0.1 JACKSONVILLE, FLORIDA 32202 V1.1 ATTN.: DANIEL GRIFFIS (904) 665-6734 C1.1 C1.2 **TELEPHONE** AT&T

## **INDEX OF SHEETS**

COVER SHEET

LOCATION MAP

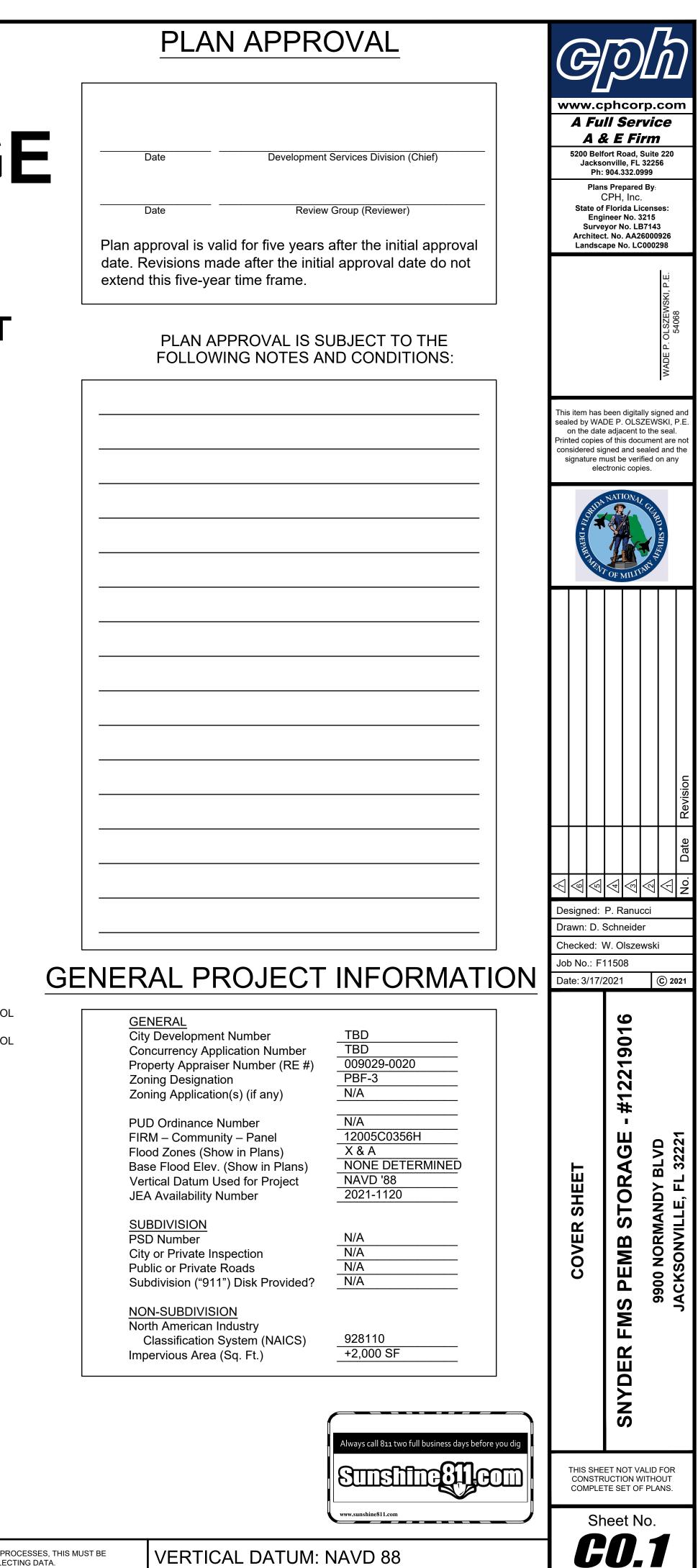
1" = 2,000' **CITY OF JACKSONVILLE, FLORIDA** 

- **TOPOGRAPHIC SURVEY**
- TOPOGRAPHIC SURVEY
- SITE DIMENSION PLAN
- GRADING AND EROSION AND SEDIMENTATION CONTROL
- PLAN GRADING AND EROSION AND SEDIMENTATION CONTROL
- C1.3 PLAN

C1.4

- COMPOSITE UTILITY PLAN
- COMPOSITE UTILITY PLAN
- GENERAL NOTES AND DETAILS

C1.5 C5.1



VERTICAL DATUM: NAVD 88

ALM BEAC COLLIER

### Abbreviation Legend:

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	Abbreviation Le	gena:				
(A)	– ACTUAL	MBX		MAILBOX		
A/C	– AIR CONDITIONER	MES		MITERED END SECTION		
ACSM ADA	<ul> <li>AMERICAN CONGRESS ON SURVEYING &amp; MAPPING</li> <li>AMERICANS WITH DISABILITIES ACT</li> </ul>	MH MLP		MANHOLE METAL LIGHT POLE		
ALTA	- AMERICAN LAND TITLE ASSOCIATION	MPH		MILES PER HOUR		
APPROX	– APPROXIMATE	MPP		METAL POWER POLE		
	– AIR RELEASE VALVE – AVENUE	N/A NAVD	-	NOT APPLICABLE NORTH AMERICAN VERTICAL DATUM		
AVE AVG	– AVENDE – AVERAGE	NAVD		NORTH AMERICAN VERTICAL DATUM		
(BB)	- BEARING BASIS	NG	_	NATURAL GROUND		
<b>B</b> FP	- BACK FLOW PREVENTER	NGS		NATIONAL GEODETIC SURVEY		
BLK BLDG	– BLOCK – BUILDING	NGVD N & D		NATIONAL GEODETIC VERTICAL DATUM NAIL AND DISK		
BLVD	- BOULEVARD	NO.	-	NUMBER		
BM	- BENCH MARK	NR NSPS		NON-RADIAL	Lin	e Legend:
BOC BOW	– BACK OF CURB – BACK OF WALK	N262	_	NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS	NO	TO SCALE
BSL	<ul> <li>BUILDING SETBACK LINE</li> </ul>	NT		NON-TANGENT		
BWF	- BARBED WIRE FENCE	NTS OD		NOT TO SCALE	1	= 1 FOOT CONTOURS
C-X (C)	<ul> <li>DENOTES SHEET NUMBERING FOR ENGINEERING PLANS</li> <li>CALCULATED</li> </ul>	ORB		OUTSIDE DIAMETER OFFICIAL RECORDS BOOK	<u> </u>	= 5 FOOT CONTOURS
C C	- CHORD	OR	_	OFFICIAL RECORDS		= ADJOINER PROPERTY LIN
CATV	<ul> <li>CABLE TELEVISION RISER</li> </ul>	OUL OTL		OVERHEAD UTILITY LINES OVERHEAD TRAFFIC LINES	xx	= BARBED WIRE FENCE
CB CBS	– CHORD BEARING – CONCRETE BLOCK STRUCTURE			PLAT	{	= BROKEN LINE
C.C.R.	- CERTIFIED CORNER RECORD	(P) PB	-	PLAT BOOK	UC	= BURIED CABLE
C&G	– CURB & GUTTER	PC PCC		POINT OF CURVATURE	исту	= BURIED CABLE TELEVISIO
CI C/L	– CATCH INLET – CENTERLINE	PCC PCP		POINT OF COMPOUND CURVATURE PERMANENT CONTROL POINT	UE	= BURIED ELECTRIC
CLF	– CHAIN LINK FENCE	PFF	_	PROPOSED FINISHED FLOOR		
СМ	- CONCRETE MONUMENT	PG PGS		PAGE PAGES		= BURIED FIBER OPTICS
CMP CO	– CORRUGATED METAL PIPE – CLEANOUT	PGS PI		PAGES POINT OF INTERSECTION	UG	= BURIED GAS
CONC	– CLEANOUT – CONCRETE	PIV	-	POST INDICATOR VALVE	URW	= BURIED RECLAIMED WATE
COR	– CORNER	PK POB		PARKER KAYLON	SAN	= BURIED SANITARY LINES
CRPP CUE	<ul> <li>CORRUGATED PLASTIC PIPE</li> <li>COUNTY UTILITY EASEMENT</li> </ul>	POB		POINT OF BEGINNING POINT OF COMMENCEMENT	—— FM ——	= BURIED SANITARY SEWER
CVS	– CAN'T VERIFY SIZE	POL	-	POINT ON LINE	тс	= BURIED TRAFFIC CONTRO
CVS&T	- CAN'T VERIFY SIZE & TYPE	PP		POWER POLE	UT	= BURIED TELEPHONE LINE
CWS	- CROSSWALK SIGNAL	PRC PRM		POINT OF REVERSE CURVATURE PERMANENT REFERENCE MONUMENT	UW	= BURIED WATER LINES
∆ (D)	– DELTA – DESCRIPTION	PSM	-	PROFESSIONAL SURVEYOR & MAPPER		
DB	– DEED BOOK	PT PVC				= CENTER LINE R/W
DBH	- DIAMETER AT BREAST HEIGHT IN INCHES	PVC PVMT		POLYVINYL CHLORIDE PIPE PAVEMENT	oo	= CHAIN LINK FENCE
DE DEPT	– DRAINAGE EASEMENT – DEPARTMENT	R25E	-	RANGE 25 EAST		= EASEMENT LINES (EXISTI
DIP	– DUCTILE IRON PIPE	R RAD		RADIUS RADIAL		= EASEMENT LINES (PROPO
DR	– DRIVE	RCP		REINFORCED CONCRETE PIPE	EOW	= EDGE OF WATER LINES
	- DRAINAGE AND UTILITY EASEMENT	REC	_	RECOVERED		
(Ê) EJB	– ENGINEERING PLAN – ELECTRIC JUNCTION BOX	REV RP		REVISION RADIUS POINT		= EXISTING DRAINAGE PIPE
EL	<ul> <li>UNDERGROUND ELECTRICAL LINES</li> </ul>	R/W		RIGHT-OF-WAY		= EXISTING DRAINAGE PIPE
ELEC		RLS	-	REGISTERED LAND SURVEYOR		(TERMINUS & ANGLE UNKN
ELEV ELLIP	– ELEVATION – ELLIPTICAL	RP RWL		RADIUS POINT UNDERGROUND RECLAIM WATER LINE	FW	= FIRE WATER MAIN LINES
EOI	- END OF INFORMATION	RWM	_	RECLAIMED WATER METER	— нw —	= HOT WATER SUPPLY LIN
EOP	- EDGE OF PAVEMENT	SE	_	SPECIAL EASEMENT	IRR	= IRRIGATION LINES
FB FDC	– FIELD BOOK – FIRE DEPARTMENT CONNECTION	SEC 32 SMH	_	SECTION 32 SANITARY SEWER MANHOLE	—— отL ——	= OVERHEAD TRAFFIC LINE
FDOT	<ul> <li>FLORIDA DEPARTMENT OF TRANSPORTATION</li> </ul>	SM⊟ (SP)		STATE PLANE	они ——	= OVERHEAD UTILITY LINES
FF FGI	– FINISH FLOOR – FLAT GRATE INLET	ŚQ		SQUARE		
FGLP	– FIBERGLASS LIGHT POLE	SQ FT ST	_	SQUARE FEET STREET	+++++	= RAILROAD TRACKS
FHYD	– FIRE HYDRANT	STMH	_	STREET STORM DRAINAGE MANHOLE		= RIGHT-OF-WAY LINES
FM FND	– FORCE MAIN – FOUND	S/W	_	SIDEWALK		= SECTION LINES
FP&L	- FLORIDA POWER AND LIGHT	ΤB		TANGENT BEARING	$\infty$	= STONE WALL LINES
FS	– FLORIDA STATUTES	T2S TELE		TOWNSHIP 2 SOUTH TELEPHONE	ТОВ	= TOP OF BANK LINES
(G)	– GRID (STATE PLANE) – UNDERGROUND GAS LINES	TL	-	OVERHEAD TRAFFIC SIGNAL LINES	—— ТОЕ ——	= TOE OF SLOPE LINES
GL GOV'T	– UNDERGROUND GAS LINES – GOVERNMENT	TOB		TOP OF BANK	·	= TREE LINES
GPR	<ul> <li>GROUND PENETRATING RADAR</li> </ul>	TOE TR		TOE OF SLOPE TELEPHONE RISER		= TRAVERSE LINES
GTMH	– GREASE TRAP MANHOLE	TRANS	_	TRANSFORMER	TRAV	
HDPE HWF	<ul> <li>HIGH DENSITY POLYETHYLENE PIPE</li> <li>HOG WIRE FENCE</li> </ul>	TSB TSSP	_	TRAFFIC SIGNAL BOX	UNK	= UNKNOWN BURIED LINES
ID	<ul> <li>IDENTIFICATION</li> </ul>	TSSP		TRAFFIC SIGNAL SUPPORT POLE UNDERGROUND CABLE TV LINES	//	= VINYL FENCE
	- IRRIGATION CONTROL VALVE	(TYP)	_	TYPICAL	OO	= WOOD FENCE
INFO INV	– INFORMATION – INVERT	ÙЕ ́			·	= WETLAND LINE
IP	- IRON PIPE	UNK UTL		UNKNOWN UNDERGROUND TELEPHONE LINES	OP	= ORANGE PAINT LINE
IP&C	- IRON PIPE & CAP	W/	-	WITH	GP	= GREEN PAINT LINE
IR IR&C	– IRON ROD – IRON REBAR & CAP	WÍF	_	WROUGHT IRON FENCE	RP	= RED PAINT LINE
IRR	– IRRIGATION	WL WLP		UNDERGROUND WATER LINE WOOD LIGHT POLE	WP	= WHITE PAINT LINE
L LR#	– ARC LENGTH – LICENSED BUSINESS NUMBER	WM	_	WATER METER	WP	= PURPLE PAINT LINE
LB# LP	– LIGHT POLE	WP	-	WORK PROGRAM	PP	
(M)	- MEASURED	WPF WPP		WOOD POST FENCE WOOD POWER POLE	—— BP ——	= BLUE PAINT LINE
МВ	– MAP BOOK	WV		WATER VALVE	YP	= YELLOW PAINT LINE

#### **TOPOGRAPHIC SURVEY** FOR www.cphcorp.com RYSTAL SPRING RE **ARMORY BOARD OF THE STATE OF FLORIDA** A Full Service A & E Firm 520 Palm Coast Pkwy. SW, Suite 2 Palm Coast, FL 32137 Ph: 386.445.6569 HERLONG RE 9900 NORMANDY BOULEVARD Plans Prepared By CPH, Inc. HERLON( RECREATIONAL State of Florida Licenses LYING IN AIRPORT Engineer No. 3215 Surveyor No. LB7143 Architect, No. AA26000926 **SECTION 32-TOWNSHIP 2 SOUTH-RANGE 25 EAST** Landscape No. LC000298 **DUVAL COUNTY, JACKSONVILLE, FLORIDA** VICINITY MAP NOT TO SCALE Survey Notes: Topographic Survey Area: A PORTION OF RE # 009029-0020 PER DUVAL COUNTY PROPERTY APPRAISER WEBSITE: WWW.COJ.NET 1. COPIES OF THIS SURVEY ARE NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. 2. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES. 3. THIS SURVEY IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88) THE SITE BENCHMARKS FOR THIS TOPOGRAPHIC SURVEY ARE DISPLAYED ON THE RESPECTIVE SURVEY FILE. THESE BENCHMARKS ARE BASED ON A CLOSED VERTICAL CONTROL LOOP HAVING AN ACTUAL ERROR OF CLOSURE OF 0.02' WHICH MEETS THE ALLOWABLE CLOSURE OF 0.024'. THIS FIELDWORK WAS PERFORMED USING A TOPCON PS-103A ROBOTIC TOTAL STATION AND REFERENCES THE FOLLOWING PUBLISHED BENCHMARKS AS ESTABLISHED BY THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88) AND ALL VERTICAL INFORMATION INCLUDING SPOT ELEVATIONS, NOTATIONS AND THE CONTOUR LINES DERIVED THEREFROM ARE BASED ON AND MATCHED TO VERTICAL CONTROL BENCHMARKS AS SHOWN ON LIMITED TOPO @ BAY COUNTY JAIL, AS PREPARED BY BAY COUNTY PUBLIC WORKS DEPARTMENT, DATED FEBRUARY 28, 2020, AS FOLLOWS: a) EASTERLY FLAT GRATTE INLET (NAVD '88) ELEVATION = 56.94' b) WESTERLY FLAT GRATE INLET (NAVD '88) ELEVATION = 56.94' SITE BENCHMARKS ARE AS SHOWN ON SHEET 2 OF 2. 4. THIS SURVEY IS NOT VALID WITHOUT SHEETS 1 THROUGH 2 OF 2. 5. THE LAST DAY FIELD WORK WAS PERFORMED WAS NOVEMBER 5, 2020. 6. HAVING CONSULTED THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NO. 12005C0356H, DUVAL COUNTY UNINCORPORATED AREAS EFFECTIVE DATE JUNE 2, 2009, THE SUBJECT PROPERTY APPEARS TO LIE IN ZONE X, WHICH ARE AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AND LIES IN ZONE A, WHICH ARE SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100 YEAR FLOOD WITH NO BASE FLOOD ELEVATIONS DETERMINED (NAVD '88). THIS DETERMINATION WAS BASED ON A GRAPHIC INTERPOLATION OF SAID MAP AND NOT ON ACTUAL FIELD MEASUREMENTS. 7. HORIZONTAL WELL-IDENTIFIED FEATURES IN THIS SURVEY AND MAP HAVE BEEN MEASURED TO AN ESTIMATED HORIZONTAL POSITIONAL ACCURACY OF 0.05 (FT). THE EQUIPMENT USED TO LOCATE THE FEATURES WAS A TOPCON PS-103A ROBOTIC TOTAL STATION. 8.. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR OPINION OF TITLE. NO INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS-OF-WAY, AND/OR OWNERSHIP WERE FURNISHED TO THIS SURVEYOR EXCEPT AS NOTED BELOW: DUVAL COUNTY PROPERTY APPRAISER INFORMATION DISPLAYED HEREON AS PARCEL ID IS PER THE DUVAL COUNTY PROPERTY APPRAISER'S WEBSITE WWW.COJ.NET AS OF SEPTEMBER 2, 2020. 9. NO UNDERGROUND UTILITIES, FOUNDATIONS OR IMPROVEMENTS, IF ANY, HAVE BEEN LOCATED EXCEPT AS SHOWN. 10. THIS SURVEY DOES NOT IDENTIFY THE LIMITS OR EXTENT OF POTENTIAL JURISDICTIONAL WETLAND BOUNDARIES. 11. FENCES AND WALLS EXISTING ON, OVER OR ADJACENT TO SUBJECT PROPERTY, ARE DISPLAYED HEREON; OWNERSHIP WHETHER Symbol Logond SINGULAR OR JOINT WAS NOT DETERMINED BY THIS SURVEY. Field Crew: D. Sullivan 12. VERTICAL FEATURE ACCURACY: "ELEVATIONS OF WELL-IDENTIFIED FEATURES CONTAINED IN THIS SURVEY AND MAP HAVE BEEN ARV MEASURED TO AN ESTIMATED VERTICAL POSITIONAL ACCURACY OF 0.05 (FT)." $\square \oplus \square$ – LIGHT POLE (TRIPLE) Drawn By: B. Benard 13. DIMENSIONS ARE SHOWN RELATIVE TO UNITED STATES STANDARD FEET AND DECIMALS THEREOF, UNLESS THE OBJECT SHOWN IS COMMONLY IDENTIFIED IN INCHES, I.E. TREE DIAMETER, PIPE DIAMETER, ETC. TREES DEPICTED ARE COMMON NAMES AND Checked By: R. Roberts LE (QUAD) RTY LIN MEASURED AND LABELED AS DIAMETER AT BREAST HEIGHT IN INCHES. Approved By: J. Patterson WELLS 14. THE UNDERGROUND UTILITIES DEPICTED BY PIPE LINETYPES ARE APPROXIMATE IN NATURE BASED UPON AN INSPECTION OF THE Job No.: F11508 DISC (AS NOTED) MANHOLE, GRATE, ETC. OF EACH FACILITY. EXISTING PIPES WERE NOT LAMPED OR REMOTELY VIEWED FOR DIRECTION, Date: 11/5/2020 © 2020 OBSTRUCTIONS OR CONNECTIVITY. ELEVISION SPACES (2) 15. STATE PLANE INFORMATION SHOWN HEREON IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (2011) USING CONTROL POINTS ICATOR VALVE FROM THE NGS DATA SHEETS PUBLISHED AT WWW.LABINS.ORG AND ARE AS FOLLOWS: (AS NOTED) FLORIDA EAST ZONE NUMBER (3) a) DESIGNATION # D572, PID #DG6684 = N 2,162,198.04 FEET, E 396,499.50 FEET ED WATE $\mathbf{N}$ D WATER METE LINES b) DESIGNATION # ???, PID #BC1034 = N 2,142,906.42 FEET, E 415,103.96 FEET D WATER VALV SEWER AIN THE EQUIPMENT USED TO TRANSFER THE STATE PLANE INFORMATION FROM THE ABOVE REFERENCED CONTROL POINTS TO THE CONTRO SUBJECT SURVEY WAS A TOPCON GPS HIPER V. EGPS SOLUTIONS NETWORK WAS USED TO ESTABLISH STATE PLANE. SEWER MANHO NE LINE SEWER VALVE 0 REPORT ITEM CORNER SURVEY CM LB #7143 (EXISTIN C LB #7143 (PROPO LINES S CH MARK GE PIPES OGRAPHIC шα EWER MANHOLE ₹≻ GE PIPES (DIRECTIONAL) UNKNC NE CABLE RISE LINES E MANHOLE PLY LINE 0 NE LINE MARKE NE JUNCTION B FIC LINES TOP ' LINES SIGNAL BOX SIGNAL SUPPOR MANHOLE m Index of Survey Sheets UTILITY MARKI RISER COVER SHEET erence Material TOPOGRAPHIC SURVEY VALVE LAG (AS NOTED LIMITED TOPO @ BAY COUNTY JAIL AS PARED BY BAY COUNTY PUBLIC WORKS NOTED) PARTMENT, FEBRUARY 28, 2020. **n** ETER Surveyor's Certification: LINES ISER ERVICE I hereby certify that the attached "Topographic Survey" of the hereon-described property is true and correct to the best of my knowledge, information and belief as surveyed in PIGOT the field on November 5, 2020. I further certify that this "Topographic Survey" meets the THIS SURVEY IS NOT VALID PRINKLER standards of practice set forth in Rule Chapter 5J—17 of the Florida Administrative Code, WITHOUT SURVEY SHEETS ALVE pursuant to FS 472.027. (WW) - WRONG WAY SIGN 1 THROUGH 2 OF 2. (Y) ---- YIELD SIGN $\land$ – WETLAND FLAG Sheet No. (95) – INTERSTATE SYMBOL ∠ → WOOD UTILITY POLE ⊨ − IRRIGATION CONTROL VALVE For the Firm By: \_\_\_ TITLE BLOCK ABBREVIATIONS H20 – WATER LINE MARKER Eng. = ENGINEERING L.B. = LICENSED BUSINESS C.O.A. = CERTIFICATE OF AUTHORIZATION Arch.= ARCHITECTURAL Jeffrey W. Patterson 🔆 – LIGHT POLE (1) – WIRE HEIGHTS (SEE CHART)

Symbol	Legend:
ΝΟΤ ΤΟ	SCALE

	×RV −	AIR RELEASE VALVE		_	LIGHT POLE
NES	<del>•</del> -	BORING HOLE LOCATION	_		LIGHT POLE
	HH -	BRICK PAVERS	Ш		MAILBOX
	сти _	CABLE TV RISER	O MW		MONITOR W
	Δ -	CENTRAL ANGLE			NAIL & DIS
ON	co —	CLEAN OUT	2		PARKING SF
	© -	COMMUNICATION MANHOLE			POST INDIC
		CONCRETE			
	🔌 –	CONCRETE LIGHT POLE	$\square$		PULL BOX
FER LINE	□●□ -	CONCRETE LIGHT POLE (DUAL)	RWM		REVISION N
5	<b>-</b>	CONCRETE LIGHT POLE (TRIPLE)	RWV		RECLAIMED
R FORCE MAIN LINE	<b>□</b> ••• –	CONCRETE LIGHT POLE (QUAD)	$\boxtimes$		RECLAIMED
OL	<u> </u>	CONCRETE MITERED END SECTION	S		SANITARY S
E	- 4333-	CONCRETE PAVERS	sv X		SANITARY S
	- 4884	CONCRETE RIP RAP	( <u>8</u> )		TITLE OR R
	~~ -	CONCRETE UTILITY POLE			SECTION CO
	41 -	COUNTY ROAD SYMBOL	×Ц×		4" X 4" CM
ſING)	~ –	CROSSWALK SIGNAL POLE			
POSED)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DETECTABLE WARNING AREA	۲		5/8" IR&C
,	<del></del>	DUAL SUPPORT SIGN	- <u>o</u> -		SIGN
ES		ELECTRICAL MANHOLE	•		SITE BENCH
ES		ELECTRIC METER	D		STORM SEW
NOWN)		ELECTRICAL JUNCTION BOX	2		STRIPING (E
5	E0 F -	ELECTRIC OUTLET			TELEPHONE
VES	Е Ш —	ELECTRIC RISER	1		TELEPHONE
	UFO -	FIBER OPTIC MARKER			TELEPHONE
ES	[FD0] —	FIRE DEPARTMENT CONNECTION			TELEPHONE
S	/ Y *	FIRE HYDRANT	TSB		TEST HOLE
-	- 🦘	FLOOD LIGHT			TRAFFIC SIC
	-	FOUND CONCRETE MONUMENT (AS NOTED	/		TRAFFIC SIC
	🥔 –	FOUND IRON PIPE (AS NOTED)	$\bigcirc$		UNKNOWN N
	0 -	FOUND IRON REBAR (AS NOTED)	UNK		UNKNOWN UNKNOWN F
	👿 –	FOUND/SET NAIL (AS NOTED)			UNKNOWN
	⊗ –	GARBAGE CAN	$\triangleright$		UTILITY FLA
		GAS MARKER	 س <sup>ع</sup> د		VENT (AS N
	GV −	GAS VALVE	WM		WATER MET
5	~ @ -	GOPHER TORTOISE HOLE	H20		WATER RISE
	<b>—</b>	GRATE INLET			WATER SER
		GRAVEL/DIRT	w s		WATER SPIC
	© –	GREASE TRAP MANHOLE	1110		WATER SPR
	€ -	GROUND LIGHT	wv WV		WATER VAL
	← -	GUY ANCHOR			WELL
	6 -	HANDICAP PARKING SPACE			WETLAND F

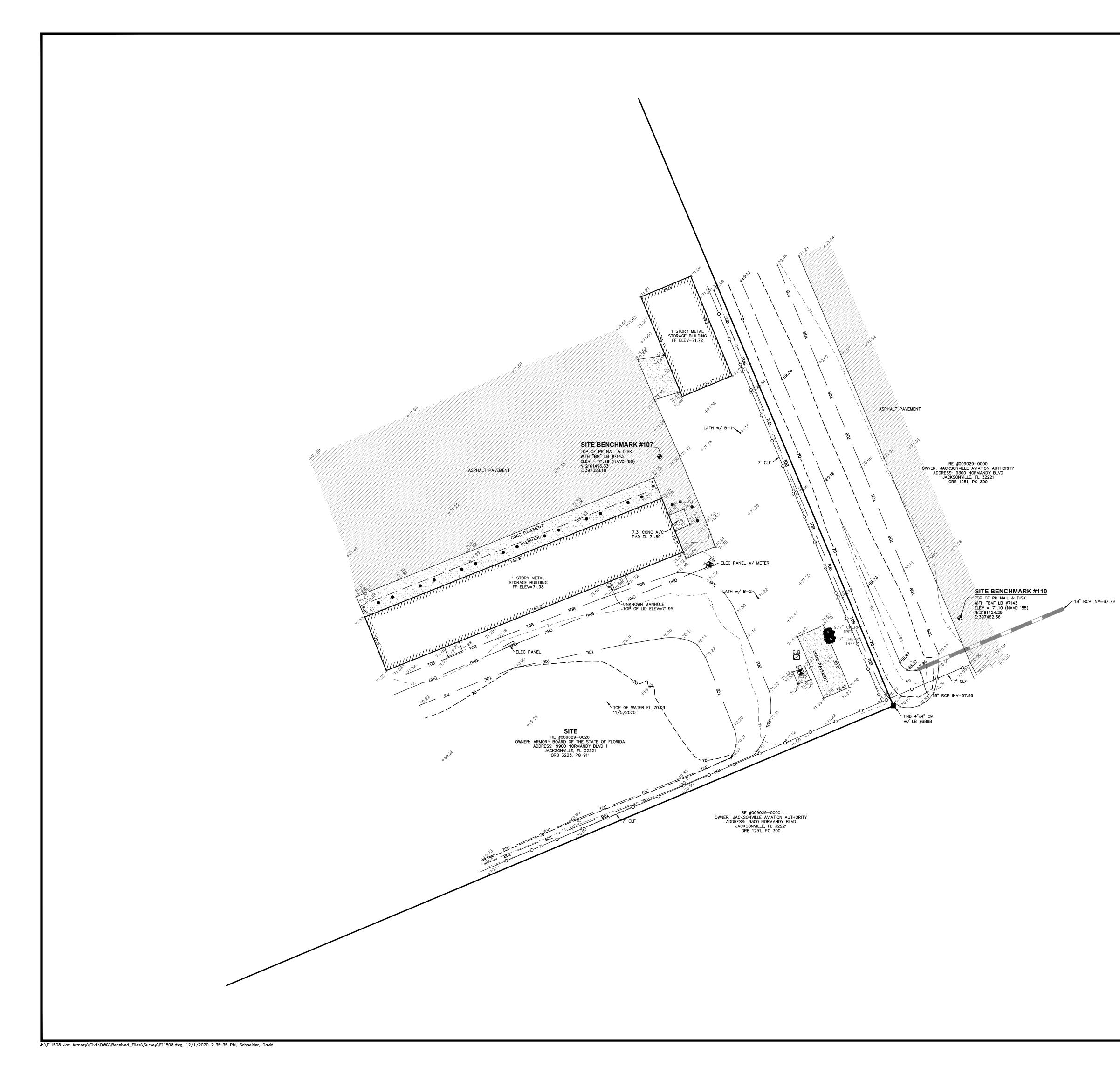
□⊕□ – LIGHT POLE (DUAL)

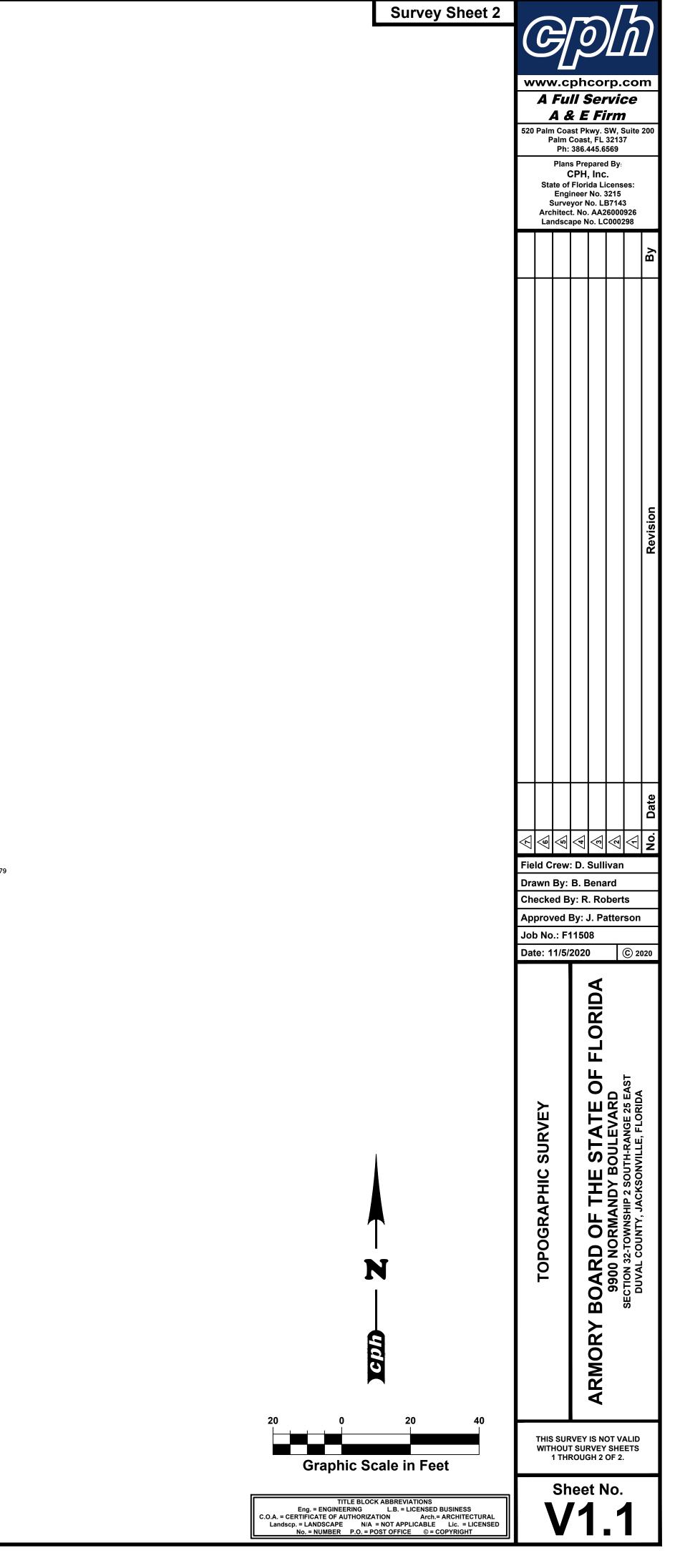
,	S	ian L	.egend:	
	_		D SCALE	
	(R1)		ROW NUMBER SIGN	
	(B)		BUS STOP SIGN	
ER	(DE)		DEAD END SIGN	
√E	(DNE)		DO NOT ENTER SIGN (R5–1)	
	(HC)		HANDICAP SIGN	
OLE -	(HC)		DUAL HANDICAP SIGN	
	(FDC)		FIRE DEPARTMENT CONNECTION	
NOMBER	(INFO)		INFORMATION SIGN	
	(KR)		KEEP RIGHT SIGN	
	(LTO)		LEFT TURN ONLY	
	(ME)		MEDIAN SIGN	
	(ND)		NO DUMPING SIGN	
Ξ	(NL)		NO LEFT TURN SIGN (R3-2)	
)	(NLI)		NO LITTERING SIGN	
R	(NO)		NO OUTLET SIGN	
ER	(FL)		NO PARKING FIRE LANE SIGN	
SOX	(NOR)		NO RIGHT TURN SIGN (R3-1)	
	(NTT)		NO THRU TRAFFIC SIGN	
	(NOT)		NO TRUCKS (R5–2)	
RT POLE	(NP)		NO PARKING SIGN	
	(1W)		ONE WAY SIGN (R6-2)	
KER	(PE)	-0-	PEDESTRIAN CROSSING SIGN	
	(RTO)		RIGHT TURN ONLY	Ref
D)	(SL)		SPEED LIMIT SIGN	1) LI
,	(ST)		STOP SIGN (R1-1)	PREP
	(SS)	-0-	STREET SIGN	DEPA
	(TZ)		TOW AWAY ZONE SIGN	
	(TE)		TRUCK ENTRANCE SIGN	
	(U)		UNKNOWN SIGN	
	(WL)		WEIGHT LIMIT SIGN	

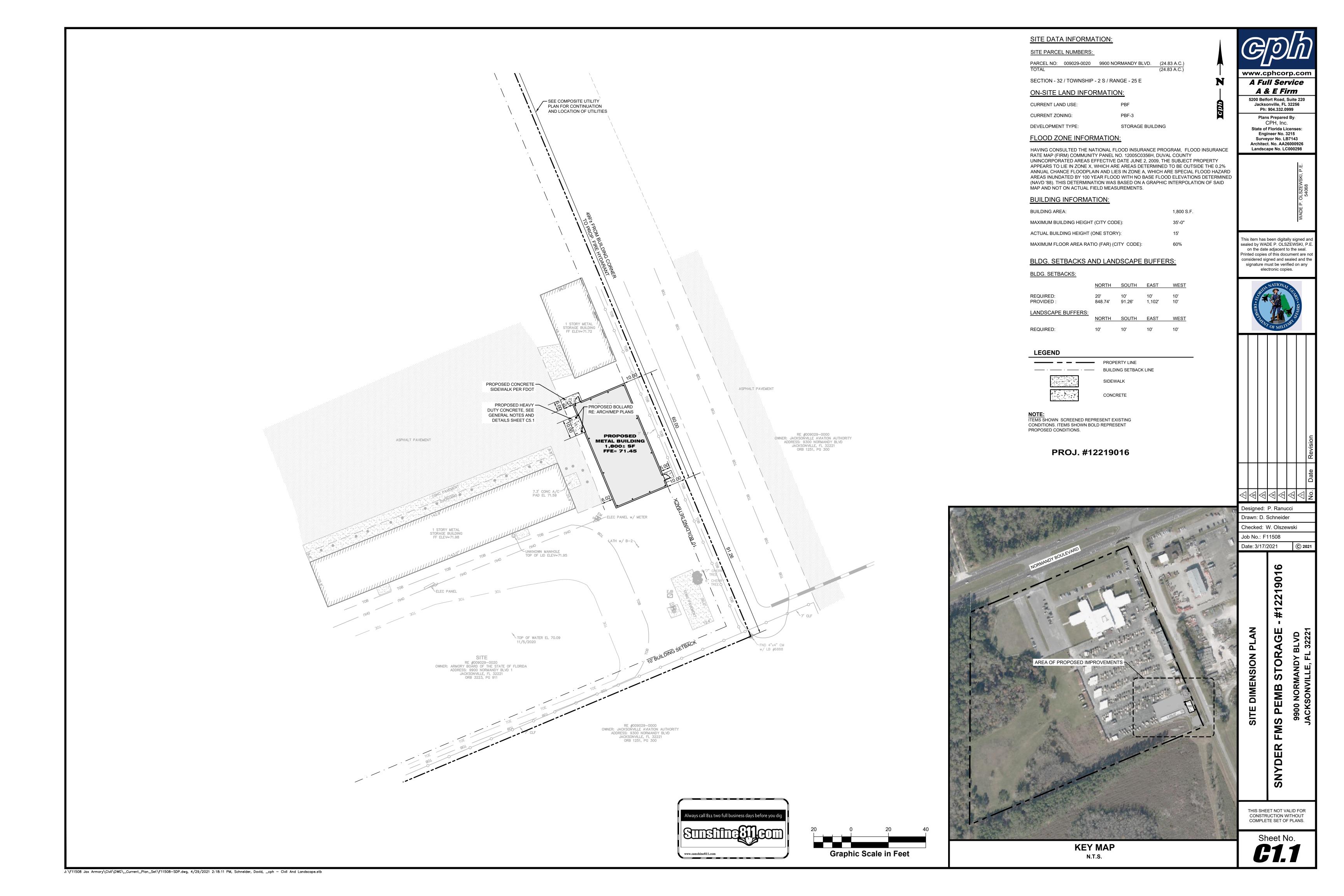
Landscp. = LANDSCAPE N/A = NOT APPLICABLE Lic. = LICENSEI No. = NUMBER P.O. = POST OFFICE © = COPYRIGHT

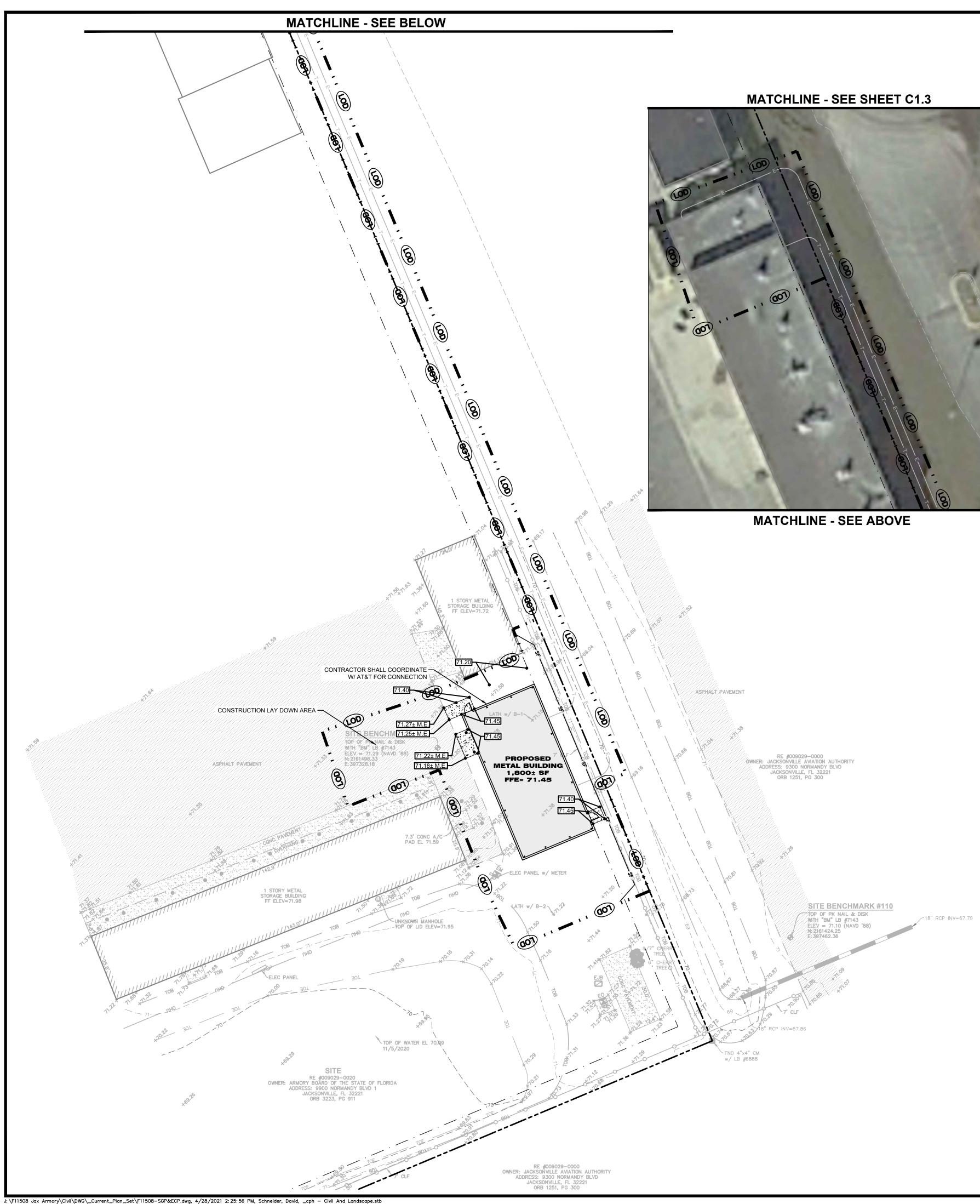
Professional Surveyor and Mapper Florida Registration No. 6384

Survey Sheet 1









### **EROSION AND SEDIMENT CONTROL PLAN NOTES**

## A. SITE LOCATION

N

- B. SITE CONDITIONS & ACTIVITIES NARRATIVE: THE EXISTING CONDITION OF THE SITE IS DEVELOPED WITH AN EXISTING ARMORY. THE SITE WILL
- PROPERTIES. WETLANDS/BUFFERS NO WETLANDS OR BUFFERS ARE ASSOCIATED WITH THIS PROJECT.
- PLAN INTENT THE INTENT OF THIS PLAN IS TO PREVENT THE RELEASE OF SOILS, TRASH, CHEMICALS, TOXINS AND OTHER POLLUTANTS, BY WATER , AIR, VEHICLE TRANSPORT OR OTHER MEANS THAT CAN IMPACT STORM WATER QUALITY. THE CONTRACTOR SHALL ENSURE THAT THE BMP'S ARE INSTALLED AND THE EXECUTION OF THE WORK IS PERFORMED TO MEET THE INTENT OF APPLICABLE LAWS, REGULATIONS AND THIS PLAN.

## GENERAL NOTES A. AN ENVIRONMENTAL RESOURCE PERMIT IS NOT REQUIRED.

- MS4 OPERATOR NAME (IF ANY): N/A THE CONTRACTOR SHALL COORDINATE WITH THE MS4 TO ENSURE THAT ALL SPECIFIC REQUIREMENTS ARE MET.
- B. WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES. SWALES SHALL BE CONSTRUCTED AS SHOWN ON PLANS.
- LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:
- I. IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.
- DURING CONSTRUCTION. PROTECTION MEASURES SHALL BE EMPLOYED IMMEDIATELY AS REQUIRED DURING THE VARIOUS STAGES OF CONSTRUCTION. III. PERIMETER EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL FINAL SITE
- D. CLEARING AND GRUBBING OPERATIONS SHALL BE CONTROLLED SO AS TO MINIMIZE UNPROTECTED ERODIBLE AREAS EXPOSED TO WEATHER. GENERAL EROSION CONTROL BMP'S SHALL BE EMPLOYED TO MINIMIZE SOIL FROSION AND OFF-SITE SEDIMENTATION. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED PRIOR TO ANY CONSTRUCTION ACTIVITY.

STABILIZATION HAS BEEN ESTABLISHED

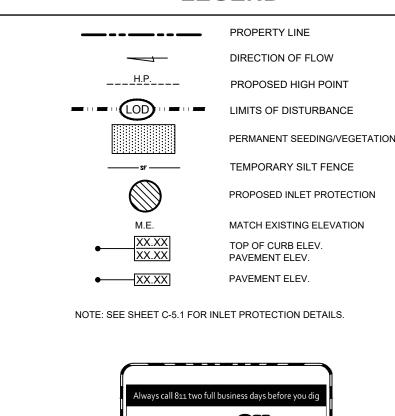
- E. THE CONTRACTOR SHALL FURNISH, INSTALL PER THE SEQUENCE OF CONSTRUCTION, MAINTAIN AND SUBSEQUENTLY REMOVE, ALL NECESSARY TEMPORARY BMPS. THE CONTRACTOR WILL FURNISH AND INSTALL ALL NECESSARY PERMANENT BMPS.
- F. THE CONTRACTOR SHALL ADJUST, ADD OR MODIFY BMPS AS NECESSARY TO COMPLY WITH THE INTENT OF THE PLAN FOR NO ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL CONSULT WITH THE CEC PRIOR TO ADJUSTING, ADDING OR MODIFYING BMPS THAT AFFECT THE HYDRAULICS OF THE SITE OR BEFORE ADDING BMPS NOT DETAILED IN THE EROSION AND SEDIMENTATION CONTROL PLAN.
- G. THE CONTRACTOR IS ADVISED THAT THE CONTRACT DRAWINGS ONLY INDICATE EROSION, SEDIMENT, AND TURBIDITY CONTROLS AT LOCATIONS DETERMINED IN THE DESIGN PROCESS. HOWEVER, THE CONTRACTOR IS REQUIRED TO PROVIDE ANY ADDITIONAL CONTROLS NECESSARY TO PREVENT THE POSSIBILITY OF SILTING ANY ADJACENT LOWLAND PARCEL OR RECEIVING WATER.
- H. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. THE EROSION CONTROL SYSTEM DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS SHOULD BE CONSIDERED TO REPRESENT THE MINIMUM ACCEPTABLE STANDARDS FOR THIS PROJECT, ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DEPENDENT UPON THE STAGE OF CONSTRUCTION, THE SEVERITY OF THE RAINFALL EVENT AND/OR AS DEEMED NECESSARY AS A RESULT OF ON-SITE INSPECTIONS BY THE OWNER, THEIR REPRESENTATIVES, OR THE APPLICABLE JURISDICTIONAL AUTHORITIES. THESE ADDITIONAL MEASURES (IF NEEDED) SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER. IT SHOULD BE NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BEST MANAGEMENT PRACTICES (BMPS), THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN FDOT INDEXES #100 THROUGH #102 AND AS NECESSARY FOR EACH SPECIFIC APPLICATION. IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO ASSURE THAT THE STORMWATER DISCHARGE FROM THE SITE DOES NOT EXCEED THE
- I SEPARATE PERMIT COVERAGE MUST BE OBTAINED BY THE CONTRACTOR UNDER THE DEPARTMENT'S GENERIC PERMIT FOR DISCHARGE OF PRODUCED GROUND WATER FROM ANY NON-CONTAMINATED SITE ACTIVITY PURSUANT TO SUBSECTION 62-621.300(2), F.A.C.
- STABILIZATION A. STABILIZATION MEASURES SHALL BE INITIATED IMMEDIATELY IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED AND WILL REMAIN UNDISTURBED FOR 7 DAYS OR MORE. STABILIZE BY COVERING WITH ADEQUATE AMOUNTS OF MULCH OVER SEED AND PERIODICALLY WATER TO PROMOTE AND MAINTAIN GROWTH OF THE TEMPORARY GROUNDCOVER, OR BY THE USE OF AN APPROPRIATE ALTERNATIVE BMP.
- DISTURBED LAND AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY
- C. ALL GRASS SLOPES CONSTRUCTED STEEPER THAN 4H:1V SHALL BE SODDED IMMEDIATELY AFTER FINAL GRADE IS ESTABLISHED.

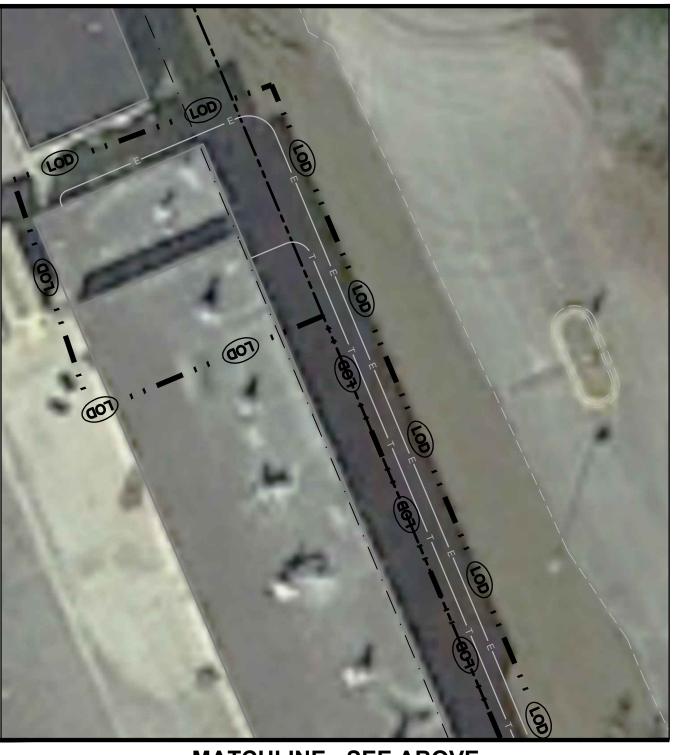
## **GENERAL GRADING NOTES**

- . PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES SHOWN ON THE PLANS. AS CONSTRUCTION PROGRESSES, THE CONTRACTOR SHALL PERIODICALLY CHECK THE SEDIMENTATION CONTROLS AND REPAIR THEM AS NECESSARY TO KEEP THEM IN GOOD FUNCTIONING ORDER. THE CONTRACTOR SHALL ALSO PROTECT INLETS AND OTHER SITE APPURTENANCES FROM SEDIMENTATION USING PROTECTION AS DETAILED IN THE PLANS.
- 2. THE CONTRACTOR SHALL CONDUCT GROUND STABILIZING MEASURES (PAVING, GRASSING, MULCHING AND SODDING) AS SOON AS PRACTICABLE FOLLOWING FINAL GRADING OF THE SITE. 3. FOLLOWING COMPLETION OF CONSTRUCTION AND COMPLETED STABILIZATION OF POTENTIAL
- EROSION AREAS, THE CONTRACTOR SHALL REMOVE SEDIMENTATION CONTROL MEASURES AND CLEAN AND REPAIR ANY AREAS AFFECTED BY THE CONSTRUCTION ACTIVITIES. ANY SILTATION IN THE STORMWATER SYSTEM SHALL BE COMPLETELY FLUSHED PRIOR TO CERTIFICATION OF COMPLETION.
- . HAVING CONSULTED THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NO. 12005C0356H, DUVAL COUNTY UNINCORPORATED AREAS EFFECTIV DATE JUNE 2, 2009, THE SUBJECT PROPERTY APPEARS TO LIE IN ZONE X, WHICH ARE AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AND LIES IN ZONE A, WHICH ARE SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100 YEAR FLOOD WITH NO BASE FLOOD ELEVATIONS DETERMINED (NAVD '88), THIS DETERMINATION WAS BASED ON A GRAPHIC
- INTERPOLATION OF SAID MAP AND NOT ON ACTUAL FIELD MEASUREMENTS. 5. CONTRACTOR SHALL FIELD VERIFY EXISTING AND SURROUNDING DEVELOPMENT GRADES AND CONTACT ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO CONSTRUCTION
- 6. CONTRACTOR SHALL VERIFY POSITIVE DRAINAGE FLOW AWAY FROM BLDG. AND THAT A MINIMUM SLOPE OF AT LEAST 1% IN THE DIRECTION OF DRAINAGE FLOW INDICATED CAN BE ACHIEVED.

## LEGEND

. CONTRACTOR SHALL CLEAN OUT ALL STORM STRUCTURES AND PIPES PRIOR TO PROJECT CLOSE





THE SITE IS LOCATED AT 9900 NORMANDY BOULEVARD, JACKSONVILLE, FLORIDA 32221

REMAIN AT APPROXIMATELY THE SAME GRADE AND HAVE NO MAJOR EFFECT ON ABUTTING

C. EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS

II. NEW AND EXISTING STORMWATER INLETS AND OUTFALL STRUCTURES SHALL BE PROTECTED

TOLERANCES ESTABLISHED BY ANY OF THE APPLICABLE JURISDICTIONAL AUTHORITIES.

B. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY

DUST CONTROL A. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE STORE FOR THE STORE ALL OWED TO LEAVE THE STORE TRANSPORT OF FUGITIVE DUST. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION. B. AS REQUIRED AFTER COMPLETION OF CONSTRUCTION, BARE EARTH AREAS SHALL BE VEGETATED.

C. AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS MAY INCLUDE ERECTION OF DUST CONTROL FENCES. IF REQUIRED, DUST CONTROL FENCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL FOR A SILT FENCE EXCEPT THE MINIMUM HEIGHT SHALL BE 4 FEET.

/ASTE MANAGEME . THE CONTRACTOR SHALL ENSURE THAT ALL WASTE AND DEBRIS ARE MANAGED DAILY SUCH THAT THEY WILL NOT IMPACT STORMWATER OR LEAVE THE PERMITTED AREA, AND DISPOSED OF PROPERLY IN ACCORDANCE WITH APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS.

B. THE CONTRACTOR SHALL ENSURE THAT ALL CHEMICALS, OILS, FUELS, HAZARDOUS WASTE, UNIVERSAL WASTE AND TOXIC SUBSTANCES ARE PROPERLY MANAGED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS. THE CONTRACTOR SHALL ENSURE THAT WASTE IS NOT DISCHARGED FROM THE SITE, AND DOES NOT IMPACT STORMWATER OR GROUNDWATER

C. THE CONTRACTOR SHALL PROVIDE APPROPRIATE AND ADEQUATE WASHOUT FACILITIES TO ENSURE THAT CHEMICALS AND WASTE IS NOT DISCHARGED FROM THE SITE, AND DO NOT IMPACT STORMWATER OR GROUNDWATER. (E.G. CONCRETE/MASONRY WASHOUT, PAINT WASHOUT, EIFS, ETC.) THE CONTRACTOR SHALL CLEAN UP SPILLS PROMPTLY AND ENSURE THAT WASHOUT AREAS ARE PROPERLY MAINTAINED TO PROVIDE ADEQUATE VOLUME TO PREVENT OVERFLOW.

D. THE CONTRACTOR SHALL PROVIDE ADEQUATE SANITARY FACILITIES FOR SITE PERSONNEL, MAINTAIN THROUGHOUT CONSTRUCTION, AND PROVIDE FOR PROPER DISPOSAL IN ACCORDANCE WITH APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS. SANITARY FACILITIES SHALL BE PROPERLY SECURED TO PREVENT TIPPING.

E. WHEN A SPILL OF REPORTABLE QUANTITIES IS DISCOVERED ON THE SITE, THE CONTRACTOR SHALL CLEAN UP ALL SPILLED MATERIALS AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AUTHORITIES IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS, THE OWNER AND PROJECT ENGINEER. THE CONTRACTOR SHALL RETAIN CLEANUP INFORMATION AS WELL AS DISPOSAL MANIFESTS.

MATERIALS MANAGEMENT, AND EQUIPMENT STAGING AND MAINTENANCE A. EXCAVATED MATERIAL SHALL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGH WATER OR STORM WATER RUNOFF. STOCKPILED MATERIAL SHALL BE COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES.

B HEAVY CONSTRUCTION FOUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN, SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OR OIL, GREASE, LUBRICANTS, OR OTHER CONTAMINANTS. CONTRACTOR SHALL HAVE AVAILABLE, AND SHALL USE, ABSORBENT FILTER PADS TO CLEAN UP SPILLS IMMEDIATELY AFTER ANY OCCURRENCE.

C. THE CONTRACTOR SHALL ENSURE THAT ALL TOXIC / HAZARDOUS SUBSTANCES AND CHEMICALS ARE PROPERLY STORED, OUT OF THE WEATHER, AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL ENSURE THAT THESE PRODUCTS ARE STORED AND USED IN SUCH A MANNER THAT WILL NOT NEGATIVELY IMPACT STORMWATER, GROUNDWATER OR PROTECTED SPECIES.

D. THE CONTRACTOR SHALL ENSURE THAT ALL MATERIALS, EQUIPMENT, DEBRIS, WASTE, TRAILERS, AND OTHER SUPPORT RELATED ITEMS ARE CONTAINED WITHIN THE PROJECT LIMITS OF DISTURBANCE. THE CONTRACTOR SHALL ENSURE THAT THE STORAGE AND USE OF SUCH ITEMS DOES NOT NEGATIVELY IMPACT STORMWATER OR GROUNDWATER.

<u>OFFSITE VEHICLE TRACKING</u> A. THE CONTRACTOR SHALL ENSURE THAT THE CONSTRUCTION EXIT IS USED BY ALL VEHICLES AND EQUIPMENT ENTERING OR LEAVING THE JOBSITE. THE CONTRACTOR SHALL MONITOR AND MAINTAIN THE CONSTRUCTION EXIT TO ENSURE THAT NO SOILS ARE TRACKED OFFSITE BY TIRES OR TRACKS, AND THAT NO SOILS ARE SPILLED BY TRUCKS OR EQUIPMENT LEAVING THE SITE. ALL TRACKED OR SPILLED SOILS SHALL BE SHOVELED OR SWEPT FROM THE ROADWAY AND RETURNED TO THE SITE. WATER SHALL NOT BE USED TO CLEAN THE SOILS FROM THE ROADWAY UNLESS THE WATER AND SOILS ARE RECOVERED BY THE USE OF A VACUUM TRUCK OR SIMILAR DEVICE.

FERTILIZERS, HERBICIDES AND PESTICIDES A. THE CONTRACTOR SHALL ENSURE THAT ALL FERTILIZERS, HERBICIDES, PESTICIDES AND SIMILAR PRODUCTS ARE PROPERLY STORED, OUT OF THE WEATHER, AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL ENSURE THAT THESE PRODUCTS ARE USED IN SUCH A MANNER THAT WILL NOT NEGATIVELY IMPACT STORMWATER, GROUNDWATER OR PROTECTED SPECIES.

B. NUTRIENTS SHALL BE APPLIED ONLY AT RATES NECESSARY TO ESTABLISH AND MAINTAIN VEGETATION. NSPECTIONS AND MAINTENANCI

THE CONTRACTOR SHALL INSPECT BMPS (I.E. DISCHARGE LOCATIONS, CONSTRUCTION EXIT, PERIMETER CONTROLS, INLET PROTECTION, STABILIZATION, EROSION CONTROL, DOCUMENTATION, WASTE DISPOSAL AREAS, MATERIAL STORAGE AREAS, ETC.) TO DETERMINE IF CONSTRUCTION ACTIVITIES HAVE ALTERED THE EFFECTIVENESS BMPS, CONFIRM BMPS ARE ACHIEVING COMPLIANCE, AND MAINTAIN BMPS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS, AND WITHIN 24 HOURS AFTER A RAINSTORM OF 0.50 INCHES OR GREATER

B. ANY MAINTENANCE. REPAIR AND NECESSARY REVISIONS TO BMP ITEMS SHALL BE ADDRESSED IN A TIMELY MANNER. BUT IN NO CASE LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTIONOR IDENTIFICATION OF THE ISSUE. UNLESS OTHERWISE SPECIFIED, ACCUMULATED SEDIMENTS SHOULD BE REMOVED BEFORE THEY REACH ONE-HALF OF THE CAPACITY OF THE CONTROL DEVICE.

REFERENCES THE CONSTRUCTION PLANS AND SPECIFICATIONS FOR JOB #F11508 AS PREPARED BY CPH, INC. ON DECEMBER, 2020 ARE HEREBY REFERENCED AND MADE A PART OF THIS PLAN.

**SEQUENCE OF CONSTRUCTION** 

THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF CONSTRUCTION AS DESCRIBED BELOW IF THE CONTRACTOR FINDS THAT THE SEQUENCE NEEDS TO BE MODIFIED. THE CONTRACTOR SHALL CONTACT THE CEC FOR FURTHER DIRECTION. THE CONTRACTOR SHALL DISTURB ONLY THOSE AREAS NECESSARY TO INSTALL THE BMPS UNTIL DIRECTED IN THE SEQUENCE TO BEGIN CLEARING AND GRUBBING OPERATIONS. ALL TEMPORARY BMPS SHALL BE REPAIRED AND MAINTAINED UNTIL STABILIZATION HAS OCCURRED AND THERE IS NO RISK OF DISCHARGE, THEN THEY SHALL BE REMOVED.

1. INSTALL PERIMETER CONTROLS IMMEDIATELY DOWNSTREAM OF THE PLANNED LOCATION OF THE CONSTRUCTION EXIT.

2. INSTALL REMAINING PERIMETER CONTROLS. 3. INSTALL TEMPORARY PARKING AND STORAGE AREAS (TRAILER, PARKING, LAY DOWN, SANITARY FACILITIES, WHEEL WASH, CONCRETE WASHOUT,

MASONS AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC). 4. BEGIN DEMOLITION, CLEARING AND GRUBBING OPERATIONS AS

APPLICABLE. 5 TEMPORARII Y SEED IMMEDIATELY AND THROUGHOUT CONSTRUCTION

DENUDED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE. 6. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS.

PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE. 8. PREPARE SITE FOR PAVING

9 PAVE SITE

10. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.

11. COMPLETE GRADING AND INSTALL PERMANENT STABILIZATION OVER ALL

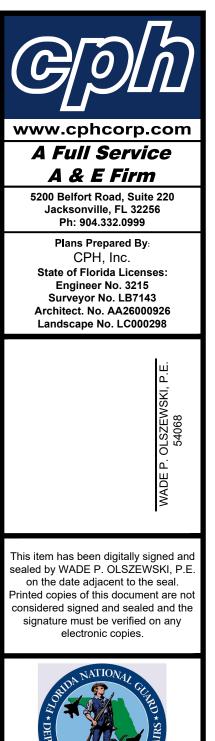
12. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED).

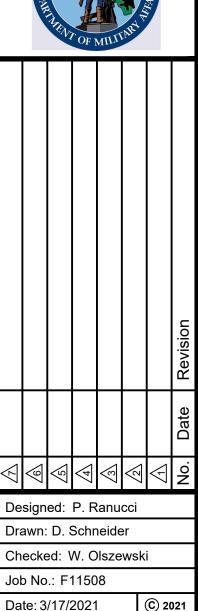
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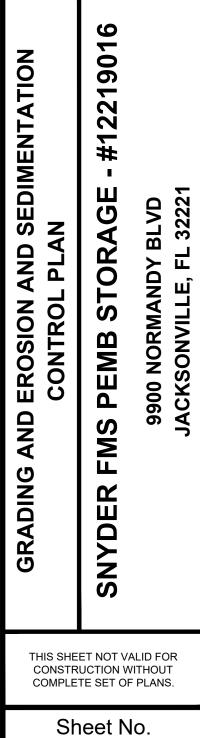
24.83 AC. **TOTAL SITE AREA** 0.15 AC. **ON-SITE DISTURBED AREA OFF-SITE DISTURBED AREA** 0.27 AC. TOTAL DISTURBED AREA 0.42 AC.

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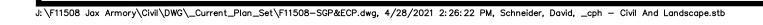
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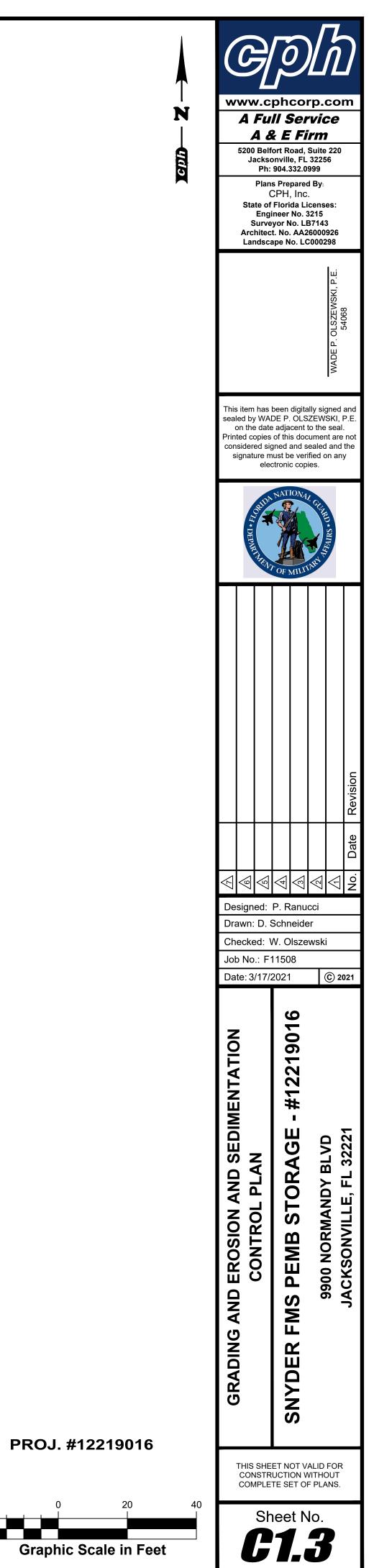






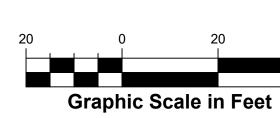






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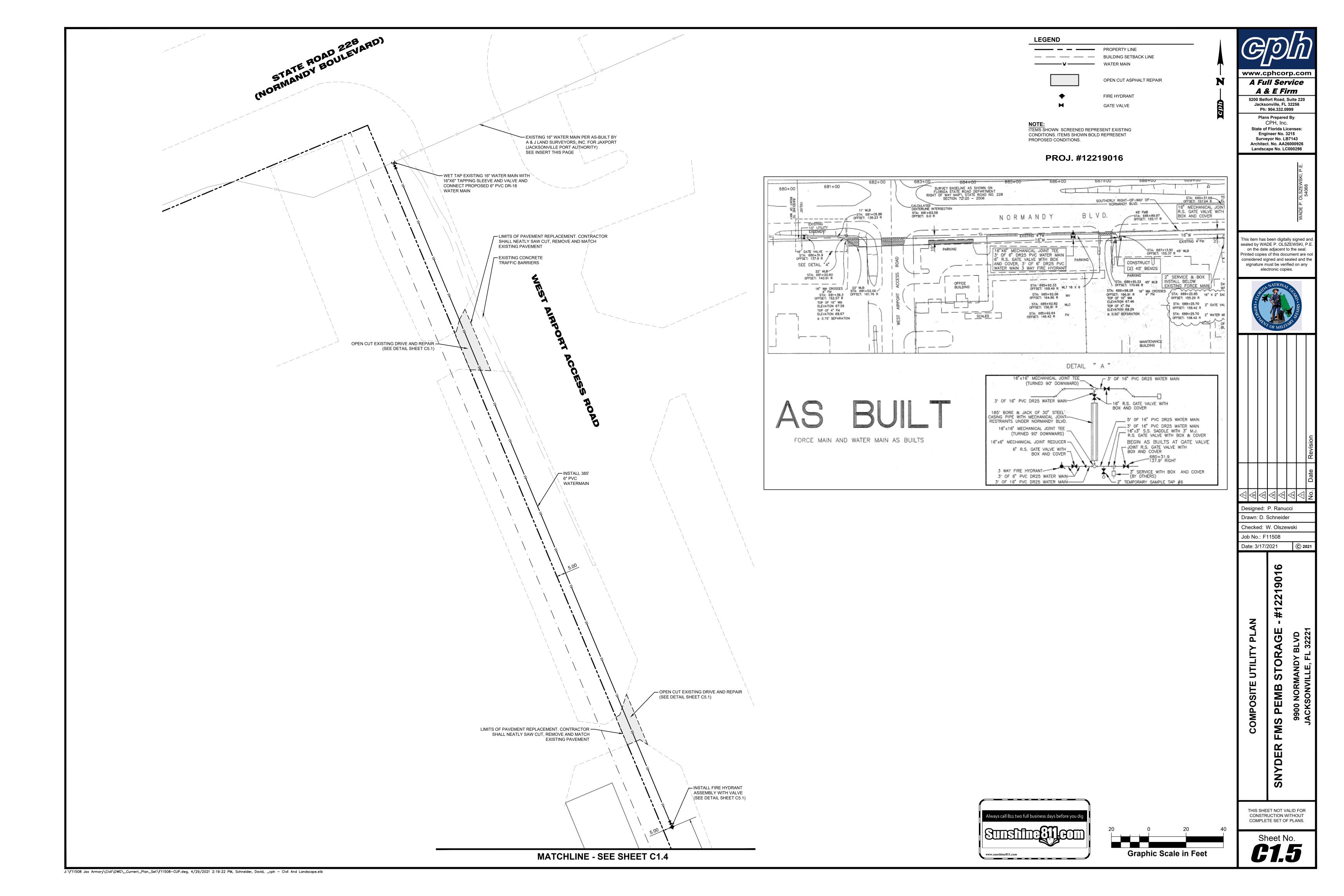






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#### **GENERAL PROVISIONS**

- 1. THE CONTRACTOR SHALL OBTAIN FROM THE OWNER COPIES OF ALL AVAILABLE REGULATORY AGENCY PERMITS AND LOCAL AGENCY PERMITS
- CONTRACTOR. AS PART OF THE BASE BID. SHALL FIELD LOCATE ALL UNDERGROUND UTILITIES WITHIN THE PROJECT AREA WITHIN THE 30 DAYS OF PROJECT AWARD. CONTRACTOR SHALL REVIEW THE PLANS AND SHALL NOTE ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- 3. CONTRACTORS, AS PART OF THE BASE BID, SHALL PROVIDE ALL COORDINATION WITH UTILITY PROVIDERS TO PROVIDE FOR THE MATERIALS AND WORK NEEDED TO PROVIDE SERVICES TO THE PROJECT.
- 4. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE FOR ALL DEMOLITION OF ABOVE GROUND AND UNDERGROUND IMPROVEMENTS IN ORDER TO CONSTRUCT THE PROPOSED IMPROVEMENTS NOTED ON THE PLANS. UNLESS APPROVED IN WRITING FROM THE OWNER, ALL MATERIALS SHALL BE REMOVED FROM THE SITE AS PART OF THE BASE BID.
- 5. ALL DETAILS AND REFERENCES TO FDOT REFER TO THE LATEST EDITION OF THE FDOT STANDARD PLANS. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL TELEPHONE AND GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES, IN SUCH A MANNER AS TO AVOID CONFLICT AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH UTILITY REQUIREMENTS AS

TO LOCATION AND SCHEDULING FOR TIE-INS/ CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.

- 7. CONTRACTOR AND HIS SURVEYOR SHALL NOTE THE PROJECT BENCHMARK INFORMATION PROVIDED IN THE PLANS AND VERIFY PRIOR TO CONSTRUCTION.
- 8. ALL CONSTRUCTION PROJECTS 1 OR MORE ACRES IN SIZE THAT DISCHARGE TO OFFSITE AREAS ARE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLI UTANT DISCHARGE FLIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR STORMWATER DISCHARGE FROM SMALL AND LARGE CONSTRUCTION ACTIVITIES. IN ORDER TO MEET NPDES REQUIREMENTS, THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING, INSPECTING, MAINTAINING, AND REPORTING ON ALL ELEMENTS OF THE SWPPP. COMPLETING AND SUBMITTING THE REQUIRED NOTICE OF INTENT (NOI) AND NOTICE OF TERMINATION (NOT) FORMS AS THE OPERATOR, AND PAYING ALL ASSOCIATED FEES. FOR PROJECTS LESS THAN 1 ACRE IN SIZE THAT ARE NOT REQUIRED TO COMPLY WITH THE NPDES GENERAL PERMIT, THE CONTRACTOR IS STILL RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO AND DURING CONSTRUCTION IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
- 9. UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SHALL USE THE GEOMETRY PROVIDED ON THE CONSTRUCTION PLANS. BENCHMARK INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR BY THE OWNER OR OWNER'S SURVEYOR. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- 10. BASE SURVEY INFORMATION INCLUDING BUT NOT LIMITED TO ELEVATIONS, EASEMENTS, RIGHTS OF WAY, AND OTHER TOPOGRAPHIC INFORMATION HAS BEEN PREPARED BY OTHER PROFESSIONALS. CPH, INC. ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION.
- 11 THIS SET OF PLANS MAY CONTAIN DRAWINGS PREPARED BY OTHER PROFESSIONALS. WHICH CONTAIN THE NAME, ADDRESS AND LOGO OF THE PROFESSIONAL. CPH, INC. IS NOT RESPONSIBLE FOR DRAWINGS PREPARED BY OTHER PROFESSIONALS.
- 12. THE CONTRACTOR SHALL SUBMIT ONE ELECTRONIC COPY OF SHOP DRAWINGS TO THE ENGINEER TO KEEP FOR THEIR RECORDS. THE ENGINEER WILL NOT PROVIDE FOR APPROVAL OF SHOP DRAWINGS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL MATERIALS FOR ACCURACY PRIOR TO ORDERING THE MATERIALS. ANY DISCREPANCIES IDENTIFIED BY THE CONTRACTOR SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- 13 PROTECT BENCHMARKS PROPERTY CORNERS AND OTHER SURVEY MONUMENTS FROM DAMAGE OR DISPLACEMENT. IF MARKER NEEDS TO BE REMOVED IT SHALL BE REFERENCED BY LICENSED LAND SURVEYOR AND REPLACED, AS NECESSARY, BY SAME.
- 14. THE CONTRACTOR IS RESPONSIBLE FOR ALL QUALITY CONTROL TESTING. AS A MINIMUM, TESTING SHALL INCLUDE A) PIPING AND STRUCTURAL EXCAVATION. BEDDING AND BACKFILL MATERIALS AND DENSITY TESTS: B) DETERMINATION OF COMPACTIVE EFFORT NEEDED FOR COMPLIANCE WITH THE DENSITY REQUIREMENTS; C) PORTLAND CEMENT CONCRETE AND ASPHALT PAVING QUALITY CONTROL TESTING INCLUDING DESIGN MIX REVIEW, MATERIALS, FIELD SLUMP AND AIR CONTENT, AND FIELD AND LAB CURED STRENGTH SAMPLES AND TESTING.
- 15. IN ADDITION TO QUALITY CONTROL TESTING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED TESTING OR APPROVALS FOR ANY WORK (OR ANY PART THEREOF) IF LAWS OR REGULATIONS OF ANY PUBLIC BODY HAVING JURISDICTION SPECIFICALLY REQUIRE TESTING, INSPECTIONS OR APPROVAL. THE CONTRACTOR SHALL PAY ALL COSTS IN CONNECTION THEREWITH AND SHALL FURNISH THE OWNER AND ENGINEER THE REQUIRED CERTIFICATES OF INSPECTION, TESTING OR APPROVAL.
- 16. ANY DESIGN OR TESTING LABORATORY UTILIZED BY THE CONTRACTOR SHALL BE AN INDEPENDENT LABORATORY ACCEPTABLE TO THE OWNER AND THE ENGINEER, APPROVED IN WRITING, AND COMPLYING WITH THE LATEST EDITION OF THE "RECOMMENDED REQUIREMENTS FOR INDEPENDENT LABORATORY QUALIFICATION". PUBLISHED BY THE AMERICAN COUNCIL OF INDEPENDENT LABORATORIES
- 17. TESTING RESULTS SHALL BE PROVIDED TO THE OWNER/OPERATOR AND THE ENGINEER. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND IMMEDIATE BASIS.
- 18. THE ENTIRE PROJECT SITE SHALL BE THOROUGHLY CLEANED AT THE COMPLETION OF THE WORK. CLEAN ALL INSTALLED PIPELINES, STRUCTURES, SIDEWALKS, PAVED AREAS, ACCUMULATED SILT IN PONDS, PLUS ALL ADJACENT AREAS AFFECTED BY CONSTRUCTION, AS DIRECTED BY THE OWNER OR JURISDICTIONAL AGENCY. EQUIPMENT TO CLEAN THESE SURFACES SHALL BE SUBJECT TO APPROVAL BY THE OWNER.
- 19. ALL DISTRUBED AREAS WITHIN RIGHT OF WAYS SHALL BE SODDED.
- 20. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT BE LIMITED TO, ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA
- 21. THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (90-96, LAWS OF FLORIDA). ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT.
- 22. CONTRACTOR MUST STOP OPERATION AND NOTIFY THE OWNER FOR PROPER DIRECTION IF ANY ENVIRONMENTAL OR HEALTH RELATED CONTAMINATE IS ENCOUNTERED DURING EXCAVATION.

#### UTILITY GENERAL NOTES

- THE UTILITY DATA SHOWN ON THESE PLANS WAS LOCATED BY THE RESPECTIVE UTILITY, OR IS BASED ON UTILITY DRAWINGS, MAPS OR FIELD RECONNAISSANCE
- THE LOCATION, MATERIAL TYPE, AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATIONS OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. ANY UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT, THAT INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE CLOSELY COORDINATED WITH THE ENGINEER AND THE RESPECTIVE UTILITY COMPANY FOR RELOCATION OR PROPER INSTRUCTION.
- A SINGLE POINT UTILITY IDENTIFICATION SERVICE HAS BEEN SET UP FOR EXISTING UTILITIES. THE CONTRACTOR IS TO CONTACT THE SUNSHINE STATE ONE CALL CENTER BY DIALING "811" AT LEAST TWO (2) AND NO MORE THAN FIVE (5) WORKING DAYS PRIOR TO THE SPECIFIC CONSTRUCTION ACTIVITY FOR FIELD LOCATION. NOTE THAT NOT ALL UTILITIES PARTICIPATE IN THIS PROGRAM. THE CONTRACTOR SHOULD CONTACT ALL NON-PARTICIPATING UTILITIES SEPARATELY FOR FIELD LOCATION OF THEIR FACILITIES AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.
- 4. THE UTILITY PROVIDERS NOTED ON THE COVER SHEET HAVE PREVIOUSLY INDICATED THAT THEY MAY HAVE FACILITIES IN THE VICINITY OF THE CONSTRUCTION AREA.
- 5. THE CONTRACTOR SHALL KEEP LOCATE TICKETS UP TO DATE AT ALL TIMES.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH EACH UTILITY AND ALL COSTS ASSOCIATED WITH THE PROTECTION OF EXISTING FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO COORDINATE NECESSARY RELOCATIONS OR OTHER CONSTRUCTION RELATED MATTERS WITH EACH UTILITY.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN IN SERVICE ALL EXISTING PIPING ENCOUNTERED DURING CONSTRUCTION UNLESS OTHERWISE INDICATED IN THE DRAWINGS. ANY PIPING WHICH CAN BE REMOVED DURING CONSTRUCTION WITHOUT UNDUE INTERRUPTION OF SERVICE MAY BE REMOVED AND REPLACED BY THE CONTRACTOR WITH THE PERMISSION OF THE OWNER AND THE ENGINEER.
- TYPICAL DETAILS AND PROPOSED CONSTRUCTION AS SHOWN ILLUSTRATE THE ENGINEER'S INTENT AND ARE NOT PRESENTED AS A SOLUTION TO ALL CONSTRUCTION PROBLEMS ENCOUNTERED IN THE FIELD. THE CONTRACTOR MAY ALTER THE PROPOSED CONSTRUCTION TO SUIT FIELD CONDITIONS, PROVIDED IT COMPLIES WITH THE PROJECT SPECIFICATIONS AND APPROVAL IS RECEIVED FROM THE ENGINEER. WHERE SUCH PROPOSED REVISIONS DEVIATE FROM THE FDEP CONSTRUCTION PERMIT, THEN SUCH REVISIONS WILL ALSO REQUIRE APPROVAL FROM FDEP
- FOR EACH RESPECTIVE PIPELINE CONSTRUCTION REQUIRED, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION, DEPTH, SIZE, MATERIAL TYPE, AND ALIGNMENT OF ALL EXISTING PIPES, CABLES, ETC. TO BE CROSSED OR CONNECTED TO. IF THE CONTRACTOR DEEMS NECESSARY (A) A CHANGE IN ALIGNMENT OR DEPTH. OR THE NEED FOR ADDITIONAL FITTINGS BENDS OR COUPLINGS, WHICH REPRESENT A DEPARTURE FROM THE CONTRACT DRAWING, OR (B) A NEED FOR RELOCATION OF EXISTING UTILITIES, THEN DETAILS OF SUCH DEPARTURES, RELOCATIONS, OR ADDITIONAL FITTINGS, INCLUDING CHANGES IN RELATED PORTIONS OF THE PROJECT AND THE REASONS THEREFORE, SHALL BE SUBMITTED WITH SHOP DRAWINGS. APPROVED DEPARTURES FOR THE CONTRACTOR'S CONVENIENCE SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER
- 10. THE CONTRACTOR SHALL PROVIDE AT HIS OWN EXPENSE ALL NECESSARY TEST PUMPING EQUIPMENT, WATER, WATER METERS, PRESSURE GAUGES, AND OTHER EQUIPMENT, MATERIAL AND FACILITIES REQUIRED FOR ALL HYDROSTATIC, LEAKAGE, AND PRESSURE TESTING. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND THE OWNER IN WRITTEN FORM, FORTY-EIGHT (48) HOURS IN ADVANCE OF PROPOSED TESTING. THE CONTRACTOR SHALL PERFORM SATISFACTORY PRE-TESTING PRIOR TO NOTIFICATION.

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#### SITE PREPARATION

- 1. UNLESS OTHERWISE DIRECTED BY TH CONSTRUCTION ACTIVITIES WITHIN TH NO TIME SHALL THE CONTRACTOR DI WRITTEN CONSENT FROM THE PROPE PROPERTIES SHALL BE REPAIRED BY RESPONSIBILITY OF THE CONTRACTOR
- 2. STAKE OUT THE CONSTRUCTION, EST. BASELINES AND REFERENCE POINTS EXISTING FEATURES. REPORT ANY IN LOCATIONS TO THE ENGINEER BEFOR
- 3. PROTECT ALL TREES AND SHRUBS LC PARTICULARLY THOSE TREES AND SH
- 4. WITHIN THE RIGHT-OF-WAY, EASEMEN REMAIN IN ACCORDANCE WITH THE FO WHERE LOCATED MORE THAN 15 FEE WHICHEVER IS FURTHER UTILITY PIE CENTERED ON THE PIPELINE.
- TREES TO REMAIN IN THE CONSTRUCT DETAILS ON THE DRAWINGS. DO NOT
- 6. AREAS TO RECEIVE CLEARING AND GR IMPROVEMENTS, AREAS FOR FILL AND AS INDICATED ON THE DRAWINGS OR
- 7. CLEARING SHALL CONSIST OF REMOV OTHERWISE OBSTRUCT THE WORK.
- 8. EXERCISE EXTREME CARE DURING TH PIPES OR UTILITIES.
- 9. GRUBBING SHALL CONSIST OF REMOV ROOTS. REMOVE TO A DEPTH OF NOT

#### 10. ALL COMBUSTIBLE DEBRIS AND REFUS DISPOSAL AREAS.

#### GRADING

- 1. SMOOTH TRANSITIONS SHALL BE PRO ACCOMPLISH THE GRADING INTENT. COMPLETED. CONTRACTOR SHALL NO DETERMINE THAT THE GRADING INTEN
- 2. ALL PROPOSED ELEVATIONS ON THE 3. ALL PAVING SURFACES IN INTERSECT PROVIDE A SMOOTHLY TRANSITIONED UNUSUALLY STEEP OR REVERSE CRC POSITIVELY IN THE AREA OF INTERSE

ENGINEER SHALL BE CONSULTED SO

- SUPPLEMENTARY INSTRUCTIONS TO 4. UNIFORMLY SMOOTH GRADE THE SITE EMBANKMENTS AND BREAKS IN GRAD COMPACTED, FREE FROM IRREGULAR BLADE-GRADER OPERATIONS.
- 5. NEWLY GRADED AREAS SHALL BE PRO OCCUR FROM ANY CAUSE PRIOR TO S

REQUIRED ELEVATIONS AND SLOPES

#### **EXCAVATION, TRENCHING,**

- 1. THE CONTRACTOR SHALL RECOGNIZE TRENCH SAFETY ACT (FS 553.60-553.6 THESE LAWS SHALL BE INCIDENTAL T
- 2. ROUGH EXCAVATE AND GRADE ANY P SITE RUNOFF TO THE PONDS TO MININ
- 3. POND CONSTRUCTION SHALL RESULT ACCORDANCE WITH THE CONSTRUCT REQUIREMENTS HAVE BEEN MET. IF THE POND VOLUME IS NOT WITHIN TH MAKE CORRECTIONS TO THE POND A
- 4. FIELD DENSITY TESTING FREQUENCIE GENERAL BACKELLING MINIMUM 2 T BACKFILL AROUND AND UNDER STRUC GENERAL BACKFILLING IN THE PIPELIN 1000 SQUARE FEET OF PAVEMENT SUE
- 5. IT IS INTENDED THAT PREVIOUSLY EXC WHEREVER POSSIBLE.
- A. ACCEPTABLE MATERIALS: AASHTO M145 SP: UNLESS OTHERWISE DISAPPROVED ACCEPTABLE MATERIALS SHALL PASS
- B. UNACCEPTABLE MATERIALS: AASHTO M SC, ML, MH, CL, CH, OL, OH, PT; UNLESS
- 6. PROVIDE BARRIERS, WARNING LIGHT 7. SIDEWALKS, ROADS, STREETS, AND P EXCEPT AS AUTHORIZED BY THE ENG

SATISFACTORY TEMPORARY PASSAG

- TENANTS OCCUPYING ADJOINING PRO 8. FURNISH, INSTALL, AND MAINTAIN. WIT REQUIRED TO KEEP EXCAVATIONS WI EXCAVATION, AND TO PREVENT ANY I DELAY THE WORK, OR ENDANGER LIF
- 9. SHEETING, SHORING, AND BRACING L

COMPACTED.

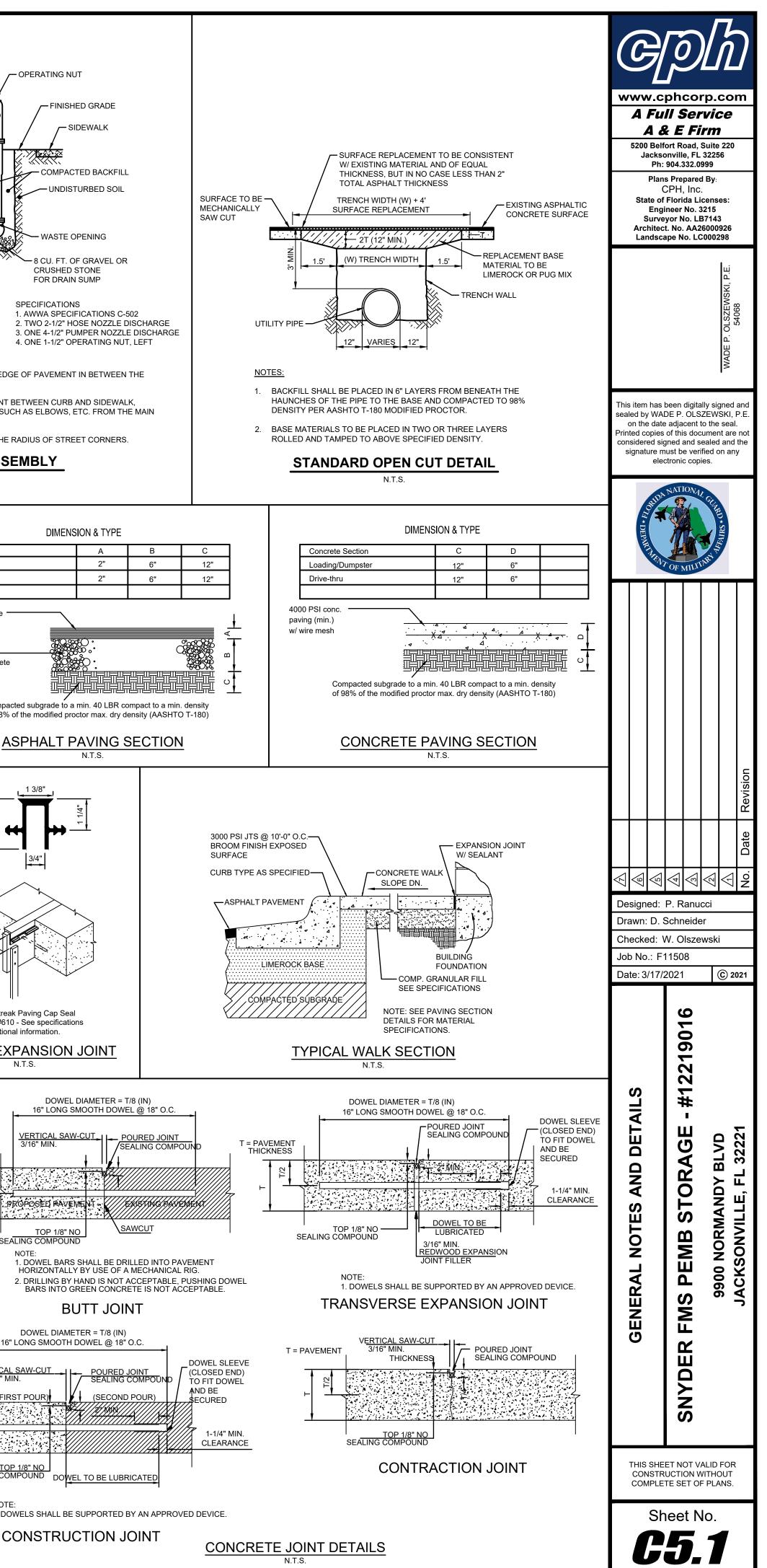
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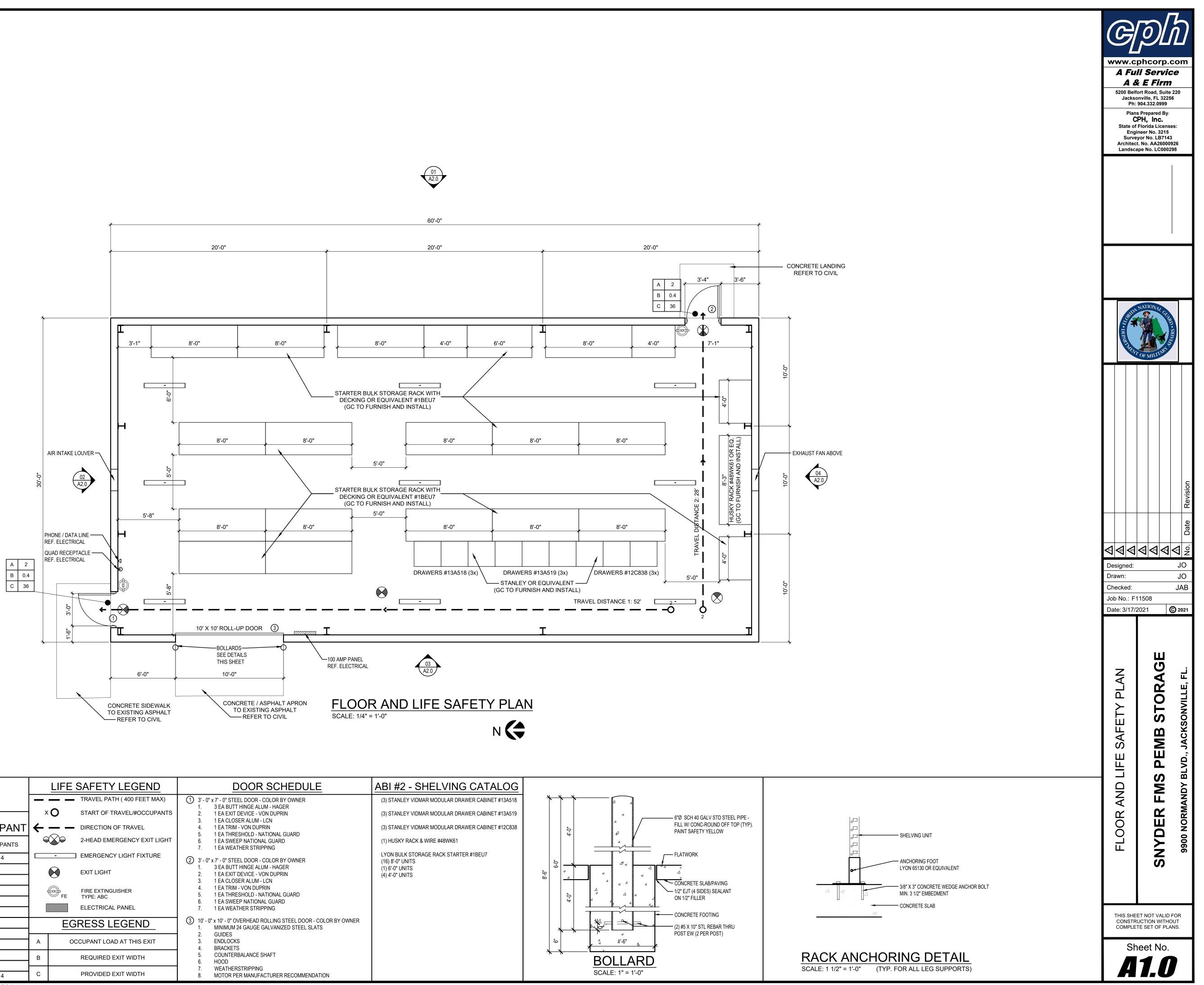
- ENGINEER LICENSED BY THE STATE O 10. ALL EXCAVATIONS SHALL BE MADE BY ACCORDANCE WITH OSHA REQUIREME
- 11. EXCAVATE TRENCHES TO DEPTH INDI EXCAVATE TRENCHES A MINIMUM OF EXCAVATED MATERIAL WITH SUITABL
- 12. TRENCH BOTTOMS AND THE BOTTOMS FEET BELOW THE BOTTOM OF THE TR
- 13. ALL BEDDING, FILL, AND BACKFILL MA IS WITHIN THE INFLUENCE AREA OF RO INCH LOOSE DEPTH. IN ALL OTHER AF
- 14. MINIMUM DENSITY REQUIREMENT (AS AREA OF ROADWAYS, STRUCTURES, S **RIGHT-OF-WAY AND UTILITY EASEMEN** 95 PERCENT; BACKFILL AND FILL PLAC

### PAVING, SIDEWALKS, AND C

- 1. MATERIALS AND CONSTRUCTION MET THE FLORIDA DEPARTMENT OF TRANS LATEST EDITION.
- 2. ROADWAY PAVING, BASE, AND SUBGR
- 3. SIDEWALKS ARE TO BE CONSTRUCTED BE PROVIDED AT ALL INTERSECTIONS CONSTRUCTION, LATEST EDITION.
- 4. CURBING SHALL BE CONSTRUCTED W CONTRACTION JOINTS AND SHALL BE CURBS SHALL BE IN CONFORMANCE \ EDITION) SECTION 520 AND DETAILS P
- 5. FIELD COMPACTION DENSITY, STABILI TESTED ONCE EVERY 300 LINEAR FEE CENTERLINE. WHERE LESS THAN 300 ONE TEST FOR EACH PER DAY'S CONS GRADATION SHALL BE TESTED FROM TO THE SITE (OR A MINIMUM OF ONCE

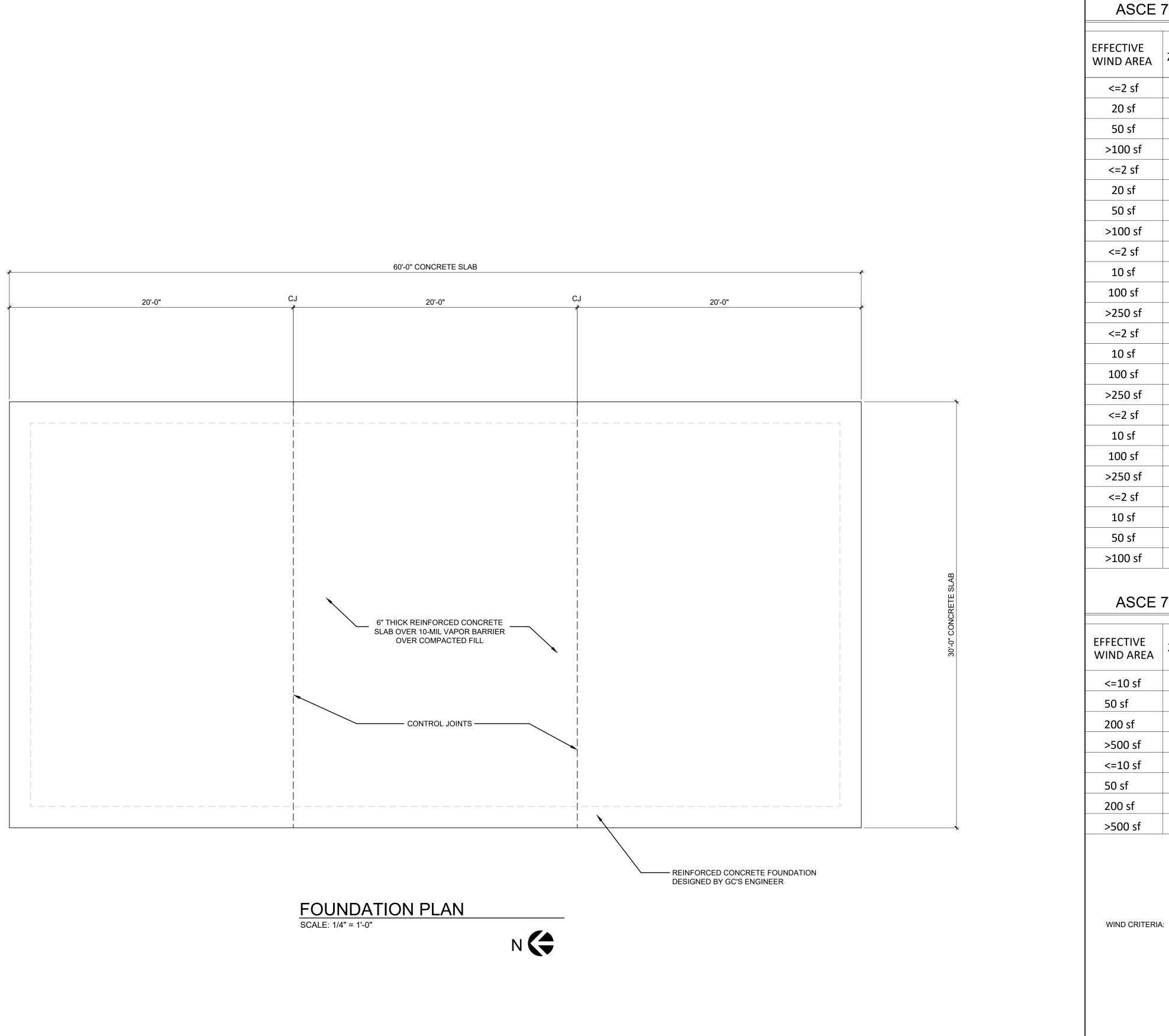
			NOTE: TYDRANT TO BE PAINTED W/	
THE OWNER OR ENGINEER, THE CONTRACTOR IS EXPECTED TO CONTAIN ALL THE PROPERTY, RIGHT-OF-WAY, AND EASEMENTS AS INDICATED ON THE DRAWINGS. AT			DUPONT 7744A OR EQUAL. (RE PUMPER NOZ	ED) ZLE FACING STREET 🥎 🧽 OPERA
DISTURB SURROUNDING PROPERTIES OR TRAVEL ON SURROUNDING PROPERTIES WITHOUT PERTY OWNER. ANY REPAIR OR RECONSTRUCTION OF DAMAGED AREAS IN SURROUNDING			WORD "FIRE" ON COVER -	
BY THE CONTRACTOR ON AN IMMEDIATE BASIS. ALL COSTS FOR REPAIRS SHALL BE THE FOR AND NO EXTRA COMPENSATION SHALL BE PROVIDED.			24" X 24" X 4" THICK CONCRETE PAD	
STABLISH LINES AND LEVELS, TEMPORARY BENCH MARKS, BATTER BOARDS, CENTERLINES, IS FOR THE WORK, AND VERIFY ALL DIMENSIONS RELATING TO INTERCONNECTION WITH INCONSISTENCIES IN THE PROPOSED GRADES, LINES AND LEVELS, DIMENSIONS AND		ROAD	SURFACE	
DRE COMMENCING WORK.		6" G	ATE VALVE WITH BOX	
SHRUBS LOCATED ADJACENT TO WORK AREAS. ENTS, AND OWNER SECURED PROPERTY, THE INTENT IS TO ALLOW TREES AND SHRUBS TO		DUCTILE IR	M.J. GATE VALVE	6" MIN. 7
FOLLOWING SCHEDULE: NEW ROADWAY CONSTRUCTION - TREES AND SHRUBS TO REMAIN EET FROM THE BACK OF CURB, OR OUTSIDE THE LIMITS OF EXCAVATION OR FILL AREAS, PIPELINE CONSTRUCTION - TREES AND SHRUBS TO REMAIN OUTSIDE A 15 FOOT WIDE PATH,				
JCTION AREA SHALL BE BOXED, FENCED OR OTHERWISE PROTECTED IN ACCORDANCE WITH				
OT PERMIT HEAVY EQUIPMENT OR STOCKPILES WITHIN BRANCH SPREAD			5/8" GALV. TIE ROD (MIN. 2 PER CONN.	-
ND SITE GRADING, AND BORROW SITES. REMOVE TREES OUTSIDE OF THESE AREAS ONLY OR AS APPROVED IN WRITING BY THE ENGINEER.			PVC (LENGTH VAR	IES) - SPECIFI 1. AWW
OVING TREES AND BRUSH AND DISPOSAL OF OTHER MATERIALS THAT ENCROACH UPON OR				2. TWO 3. ONE 4. ONE
THE CLEARING AND GRUBBING OPERATIONS. DO NOT DAMAGE EXISTING STRUCTURES,			NOTES:	BE LOCATED 4.5' TO 8' FROM EDGE OF PA'
OVING AND DISPOSING OF STUMPS, ROOTS LARGER THAN 2" IN DIAMETER, AND MATTED DT LESS THAN 18" BELOW THE ORIGINAL SURFACE LEVEL OF THE GROUND.			CURB AND SIDEWA	ALK.
FUSE FROM SITE PREPARATION OPERATIONS SHALL BE REMOVED TO LEGAL OFFSITE				PLACEMENT OF FIRE HYDRANT BETWEEN NEED ADDITIONAL FITTINGS SUCH AS EL
				ANNOT BE LOCATED WITHIN THE RADIUS (
ROVIDED BETWEEN CONTOURS OR SPOT ELEVATIONS AS SHOWN ON THE PLANS TO ALL SLOPES SHALL BE STABILIZED IMMEDIATELY AFTER FINAL GRADING HAS BEEN NOTIFY OWNER AND ENGINEER PRIOR TO DEMOBILIZATION OF GRADING EQUIPMENT TO TENT HAS BEEN ACHIEVED.			<u>_</u>	<b>IRE HYDRANT ASSEMBL</b> N.T.S.
E PLANS WITHIN PAVED AREAS ARE SHOWN AT PAVEMENT, UNLESS OTHERWISE NOTED.		L		
CTIONS AND ADJACENT SECTIONS SHALL BE GRADED TO DRAIN POSITIVELY AND TO ED DRIVING SURFACE FOR VEHICLES WITH NO SHARP BREAKS IN GRADE, AND NO ROSS SLOPES. THE STANDARD CROWN MAY HAVE TO BE CHANGED IN ORDER TO DRAIN				
SECTIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH THE ABOVE AND THE O THAT HE MAY MAKE ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS OR GIVE O ACCOMPLISH THE INTENT OF THE PLANS.				Drive Aisle Parking
ITE. DEPRESSIONS FROM SETTLEMENT SHALL BE FILLED AND COMPACTED. TOPS OF ADE SHALL BE ROUNDED. FINISHED SURFACES SHALL BE REASONABLY SMOOTH,				
AR SURFACE CHANGES AND COMPARABLE TO THE SMOOTHNESS OBTAINED BY				Asphaltic Concrete
ROTECTED FROM TRAFFIC AND EROSION. ALL SETTLEMENT OR WASHING AWAY THAT MAY D SEEDING OR ACCEPTANCE SHALL BE REPAIRED AND GRADES RE-ESTABLISHED TO THE S AT NO ADDITIONAL COST TO THE OWNER.				Limerock Base
AND FILL				
3.64). ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH . TO THE CONTRACT.				Compacted subgr of 98% of the mod
′ PROPOSED STORMWATER PONDS AT THE START OF SITE GRADING ACTIVITIES. DIRECT NIMIZE RUNOFF TO OFFSITE AREAS.				ASPHA
LT IN THE FINISHED POND HAVING SIDE SLOPES AND DIMENSIONS THAT ARE IN CTION DRAWINGS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THAT THESE F THE CONSTRUCTED SIDE SLOPES ARE STEEPER THAN THE REQUIRED SIDE SLOPES, OR THREE (3) PERCENT OF THE DESIGN VOLUME, THE CONTRACTOR SHALL BE REQUIRED TO AT NO ADDITIONAL COST TO THE OWNER.				<u> </u>
CIES: A) ONE TEST FOR EACH 10,000 SQUARE FEET OR FRACTION THEREOF PER LIFT OF TESTS EACH LAYER; B) ONE TEST FOR EACH 100 SQUARE FEET OR FRACTION THEREOF OF				⊼
RUCTURES; C) ONE TEST FOR EACH 300 LINEAL FEET OR FRACTION THEREOF PER LIFT OF LINE TRENCH; D) ONE TEST PER LIFT PER EACH CHANGE IN TYPE OF FILL; E) ONE TEST PER SUBGRADE, MINIMUM OF 2 TESTS.				<u> </u>
EXCAVATED MATERIALS CONFORMING TO THE FOLLOWING REQUIREMENTS BE UTILIZED				
145 CLASSIFICATION A-1, A-3, A-2-4, A-2-6; ASTM D2487 CLASSIFICATION GW, GP, GM, SM, SW, ED WITHIN THE SOIL AND SUBSURFACE INVESTIGATION REPORTS. NO MORE THAN 12% OF S THE NUMBER 200 SIEVE.				
) M145 CLASSIFICATION A-2-5, A-2-7, A-4, A-5, A-6, A-7, A-8; ASTM D2487 CLASSIFICATION GC, SS OTHERWISE APPROVED WITHIN THE SOIL AND SUBSURFACE INVESTIGATION REPORTS.				
ITS AND OTHER PROTECTIVE DEVICES AT ALL EXCAVATIONS.				
PAVEMENTS SHALL NOT BE BLOCKED OR OBSTRUCTED BY EXCAVATED MATERIALS, IGINEER, IN WHICH CASE ADEQUATE TEMPORARY PROVISIONS MUST BE MADE FOR AGE OF PEDESTRIANS, AND VEHICLES. MINIMIZE INCONVENIENCE TO PUBLIC TRAVEL OR TO ROPERTY.	D		G	Greenstreak Paving ( Profile #610 - See sp
WITHOUT ADDITIONAL COMPENSATION, SHEETING, BRACING, AND SHORING SUPPORT WITHIN THE PROPERTY OR EASEMENTS PROVIDED, TO SUPPORT THE SIDES OF THE Y MOVEMENT WHICH MAY DAMAGE ADJACENT PAVEMENTS OR STRUCTURES. DAMAGE OR	PI	ROJ. #1221901	v	for additional informa
IFE AND HEALTH. VOIDS OUTSIDE THE SUPPORTS SHALL BE IMMEDIATELY FILLED AND	[			<u>N.T.S.</u>
USED FOR THE SUPPORT OF EXCAVATIONS SHALL BE DESIGNED BY A PROFESSIONAL OF FLORIDA.				. 16"
BY OPEN CUT UNLESS OTHERWISE INDICATED. SLOPE SIDES OF TRENCHES IN EMENTS AND THE RECOMMENDATIONS CONTAINED WITHIN THE PROJECT GEOTECHNICAL		CASE I		
DICATED OR REQUIRED FOR INDICATED FLOW LINES AND INVERT ELEVATIONS. OVER OF 2 FEET WHERE EXCAVATIONS OCCUR WITHIN UNSUITABLE SOILS, AND REPLACE OVER				T = PAVEMENT THICKNESS
BLE SOILS.				T/2
TRENCH OR STRUCTURE.	1/8" TO 1/4"	Г	TYPE S-III ASPHALTIC CONC. 1.5" MIN.	19090399
ROADWAYS, STRUCTURES, FOUNDATIONS, OR SLABS, PLACE BACKFILL IN LAYERS OF 8 AREAS, PLACE FILL AND BACKFILL IN LAYERS OF 12 INCH LOOSE DEPTH.				TO SEALING CO
ASTM D1557 OR AASHTO T180): BACKFILL AND FILL UNDER AND WITHIN THE INFLUENCE S, SLABS, FOUNDATIONS = 98 PERCENT; BACKFILL AND FILL PLACED WITHIN PUBLIC ROAD ENTS = 95 PERCENT; BACKFILL AND FILL PLACED WITHIN POND AND ROAD EMBANKMENT =	LIMEROCK BASE (LBR 75) 100% MAX. DENSITY		8" MIN.	NOTE: 1. DOWE HORIZO
ACED IN ALL OTHER AREAS = 90 PERCENT.	AASHTO T-180 12" MIN		12" MIN.	2. DRILL BARS
<b>CURBING</b> ETHODS FOR THE ROADWAY AND PAVING CONSTRUCTION SHALL BE IN ACCORDANCE WITH	COMPACTED BACKFILL			Down
NSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION,	98% MAX. DENSITY PER AASHTO T-180			DOWE 16" LONG SI
GRADE THICKNESSES SHALL BE IN ACCORDANCE WITH DETAILS ON THESE DRAWINGS. TED IN THE AREAS AS SHOWN ON THE CONSTRUCTION PLANS. HANDICAPPED RAMPS SHALL				V <u>ERTICAL SAW-CU</u> 3/16" MIN.
NS AND SHALL BE IN ACCORDANCE WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING			CONDUIT OR PIPE PIPE BEDDING	THICKNESS (FIRST POUR
WHERE NOTED ON THE CONSTRUCTION PLANS. ALL CURBS SHALL HAVE SAW CUT BE CONSTRUCTED AT INTERVALS NOT TO EXCEED 10'-0" ON CENTER. CONSTRUCTION OF E WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST		→ 12" → 12" → 12" → 12" →		
PROVIDED ON THE CONSTRUCTION PLANS.				
ILITY, AND THICKNESS TESTING FREQUENCIES OF SUB-BASE, BASE, AND ASPHALT SHALL BE EET OF PAVING PER 24-FT WIDE STRIP, STAGGERED LEFT, CENTER AND RIGHT OF 00 LINEAR FEET OF SUB-BASE, BASE, AND ASPHALT IS PLACED IN ONE DAY, PROVIDE MIN. OF	CITY O	D AND MATERIALS OF REPAIR SUBJI F JACKSONVILLE CONSTRUCTION RE W PAVEMENT TYPE S-I OR S-III ASPI	EQUIREMENTS	I <u>TOP 1/8" NO</u> SEALING COMPOUND
INSTRUCTION AT A LOCATION DESIGNATED BY THE ENGINEER. ASPHALT EXTRACTION M GRAB SAMPLES COLLECTED ONCE EVERY 1800 SQUARE YARDS OF ASPHALT DELIVERED CE PER DAY).				NOTE: 1. DOWELS SH
	STANDARD PAVING REPAIR DETAIL	CITY OF JACKSONVILLE	N.T.S. PLATE P-402 DATE DRAWN DEC.,1971	CONS
		STANDARD	REVISED DATE APRIL 1980	





OCCUPANO	Y ALLOWA	NCE:			LIFE SAFETY LEGEND	
FLORIDA BUI	DING COD	E: 2020			TRAVEL PATH ( 400 FEET MAX)	(1) 3' - 0" x 1.
TABL MAXIMUM FLOOR AREA A	E 1004.1.2 ILLOWANCE	ES PER O	CCUPANT		<ul> <li>START OF TRAVEL/#OCCUPANTS</li> <li>DIRECTION OF TRAVEL</li> </ul>	2. 3. 4.
FUNCTION OF SPACE	ALLOWANCE (SQ.FT./PERSON)	AREA (SQ. FT.)	OCCUPANTS		2-HEAD EMERGENCY EXIT LIGHT	6. 7.
WAREHOUSE	500 GROSS	1,800	4		EMERGENCY LIGHT FIXTURE	2 3'-0">
					EXIT LIGHT	1. 2. 3
					FIRE EXTINGUISHER FE TYPE: ABC	4. 5.
					ELECTRICAL PANEL	6. 7.
					EGRESS LEGEND	(3) 10' - 0" 1.
				Α	OCCUPANT LOAD AT THIS EXIT	2. 3. 4.
				В	REQUIRED EXIT WIDTH	5. 6.
TOTAL BUILDING OCCUPANCY ALLOWANCE		1,800	4	С	PROVIDED EXIT WIDTH	7. 8.
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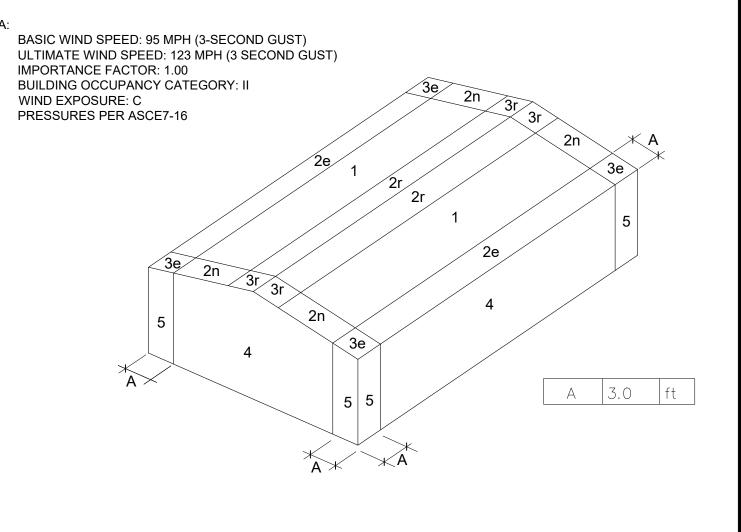


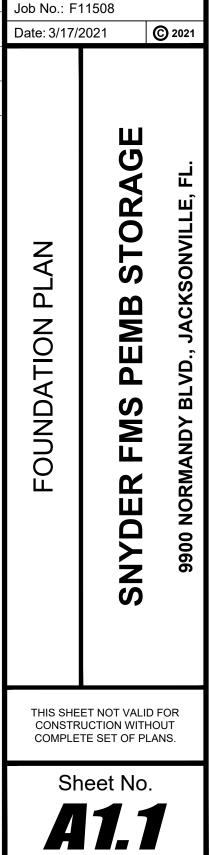


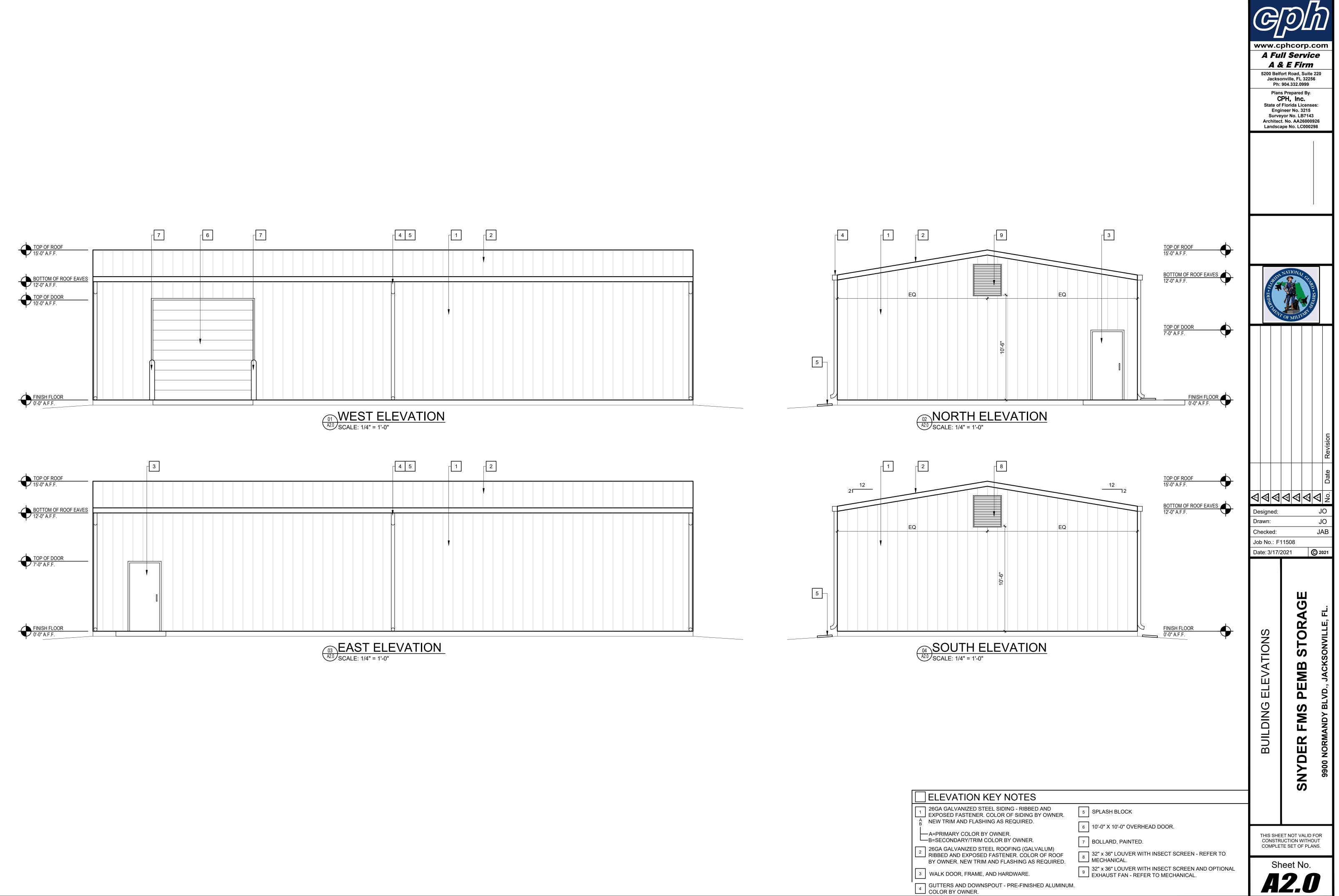
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SCE	7-16 /	COMF	PONEN	T AND CLA	DDING / F	ROOF PRES	SURES	രതിക
				ULTIMATE P	RESSURES	ALLOWABLE	PRESSURES	GÌÌÌÌ
IVE AREA	ZONE	+GCp	-GCP	Pres (+ve) (PSF)	Pres (-ve) (PSF)	Pres (+ve) (PSF)	Pres (-ve) (PSF)	www.cphcorp.com
sf	1	0.70	-2.00	24.60	-61.00	14.76	-36.60	A Full Service A & E Firm
sf	1	0.46	-2.00	18.00	-61.00	10.80	-36.60	5200 Belfort Road, Suite 220 Jacksonville, FL 32256
sf	1	0.37	-1.15	16.00	-37.10	9.60	-22.26	Ph: 904.332.0999 Plans Prepared By:
) sf	1	0.30	-0.50	16.00	-19.00	9.60	-11.40	<b>CPH, Inc.</b> State of Florida Licenses: Engineer No. 3215
sf	2e	0.70	-2.00	24.60	-61.00	14.76	-36.60	Surveyor No. LB7143 Architect. No. AA26000926
sf	2e	0.46	-2.00	18.00	-61.00	10.80	-36.60	Landscape No. LC000298
sf	2e	0.37	-1.15	16.00	-37.10	9.60	-22.26	
) sf	2e	0.30	-0.50	16.00	-19.00	9.60	-11.40	
sf	2n	0.70	-3.00	24.60	-89.00	14.76	-53.40	
sf	2n	0.54	-3.00	20.00	-89.00	12.00	-53.40	
sf	2n	0.30	-1.57	16.00	-49.00	9.60	-29.40	
) sf	2n	0.30	-1.00	16.00	-33.00	9.60	-19.80	
sf	2r	0.70	-3.00	24.60	-89.00	14.76	-53.40	
sf	2r	0.54	-3.00	20.00	-89.00	12.00	-53.40	
sf	2r	0.30	-1.57	16.00	-49.00	9.60	-29.40	
) sf	2r	0.30	-1.00	16.00	-33.00	9.60	-19.80	BUDA DATIONAL CUMU + SBITA
sf	3e	0.70	-3.00	24.60	-89.00	14.76	-53.40	
sf	3e	0.54	-3.00	20.00	-89.00	12.00	-53.40	
sf	3e	0.30	-1.57	16.00	-49.00	9.60	-29.40	OF MILITARY
) sf	3e	0.30	-1.00	16.00	-33.00	9.60	-19.80	
sf	3r	0.70	-3.60	24.60	-105.80	14.76	-63.48	
sf	3r	0.54	-3.60	20.00	-105.80	12.00	-63.48	
sf	3r	0.37	-2.34	16.00	-70.60	9.60	-42.36	
) sf	3r	0.30	-1.80	16.00	-55.40	9.60	-33.24	
SCE	7-16 /	COMF	PONEN	T AND CLA	DDING / V	VALL PRES	SURES	sion

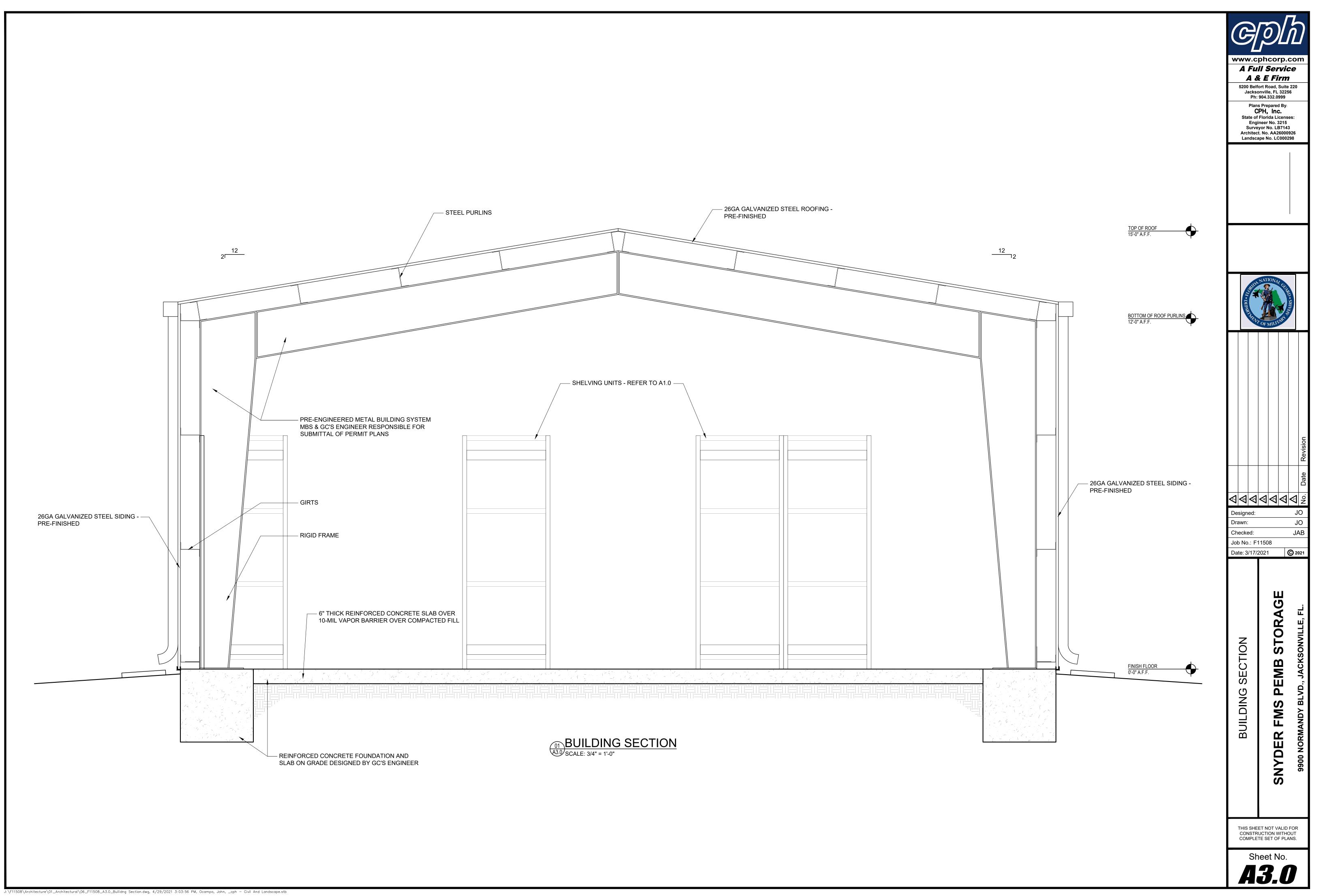
			ULTIMATE P	RESSURES	ALLOWABLE	PRESSURES					Revision
ZONE	+GCp	-GCP	Pres (+ve) (PSF)	Pres (-ve) (PSF)	Pres (+ve) (PSF)	Pres (-ve) (PSF)					
4	1.00	-1.10	33.00	-35.80	19.80	-21.48					Date
4	0.88	-0.98	29.60	-32.40	17.76	-19.44		$\triangleleft$		<b>ଶ</b> ⊲	o
4	0.77	-0.87	26.60	-29.40	15.96	-17.64	Designed:				10
4	0.70	-0.80	24.60	-27.40	14.76	-16.44	Drawn:				IO
5	1.00	-1.40	33.00	-44.20	19.80	-26.52		1150	8	J	AB
5	0.88	-1.15	29.60	-37.30	17.76	-22.38				© 2	:021
5	0.77	-0.94	26.60	-31.40	15.96	-18.84					
5	0.70	-0.80	24.60	-27.40	14.76	-16.44					
	4 4 4 5 5 5 5	4       1.00         4       0.88         4       0.77         4       0.70         5       1.00         5       0.88         5       0.77	4       1.00       -1.10         4       0.88       -0.98         4       0.77       -0.87         4       0.70       -0.80         5       1.00       -1.40         5       0.88       -1.15         5       0.77       -0.94	ZONE+GCp-GCPPres (+ve) (PSF)41.00-1.1033.0040.88-0.9829.6040.77-0.8726.6040.70-0.8024.6051.00-1.4033.0050.88-1.1529.6050.77-0.9426.60	A       1.00       -1.10       33.00       -35.80         4       0.88       -0.98       29.60       -32.40         4       0.77       -0.87       26.60       -29.40         4       0.70       -0.80       24.60       -27.40         5       1.00       -1.15       29.60       -37.30         5       0.77       -0.94       26.60       -27.40	ZONE+GCp-GCPPres (+ve) (PSF)Pres (-ve) (PSF)Pres (+ve) (PSF)41.00-1.1033.00-35.8019.8040.88-0.9829.60-32.4017.7640.77-0.8726.60-29.4015.9640.70-0.8024.60-27.4014.7651.00-1.4033.00-44.2019.8050.88-1.1529.60-37.3017.7650.77-0.9426.60-31.4015.96	ZONE+GCp-GCPPres (+ve) (PSF)Pres (-ve) (PSF)Pres (+ve) (PSF)Pres (-ve) (PSF)41.00-1.1033.00-35.8019.80-21.4840.88-0.9829.60-32.4017.76-19.4440.77-0.8726.60-29.4015.96-17.6440.70-0.8024.60-27.4014.76-16.4451.00-1.4033.00-44.2019.80-26.5250.88-1.1529.60-37.3017.76-22.3850.77-0.9426.60-31.4015.96-18.84	ZONE       +GCp       -GCP       Pres (+ve) (PSF)       Pres (-ve) (PSF)       Pres (+ve) (PSF)       Pres (-ve) (PSF)       Pres (-ve) (PSF)         4       1.00       -1.10       33.00       -35.80       19.80       -21.48         4       0.88       -0.98       29.60       -32.40       17.76       -19.44         4       0.77       -0.87       26.60       -29.40       15.96       -17.64       Designed:         4       0.70       -0.80       24.60       -27.40       14.76       -16.44       Drawn:         5       1.00       -1.40       33.00       -44.20       19.80       -26.52       Job No.: F         5       0.88       -1.15       29.60       -37.30       17.76       -22.38       Date: 3/17/	ZONE       +GCp       -GCP       Pres (+ve) (PSF)       Pres (-ve) (PSF)       Pres (+ve) (PSF)       Pres (-ve) (PSF)       Pres (-ve) (PSF)         4       1.00       -1.10       33.00       -35.80       19.80       -21.48       Image: Constraint of the second seco	ZONE       +GCp       -GCP       Pres (+ve) (PSF)       Pres (-ve) (PSF)       Pres (+ve) (PSF)       Pres (-ve) (PSF)         4       1.00       -1.10       33.00       -35.80       19.80       -21.48         4       0.88       -0.98       29.60       -32.40       17.76       -19.44         4       0.77       -0.87       26.60       -29.40       15.96       -17.64         4       0.70       -0.80       24.60       -27.40       14.76       -16.44         5       1.00       -1.40       33.00       -44.20       19.80       -26.52         5       0.88       -1.15       29.60       -37.30       17.76       -22.38       Date: 3/17/2021         5       0.77       -0.94       26.60       -31.40       15.96       -18.84       Date: 3/17/2021	ZONE       +GCp       -GCP       Pres (+ve) (PSF)       Pres (-ve) (PSF)       Pres (+ve) (PSF)       Pres (+ve) (PSF)       Pres (-ve) (PSF)       Pre







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LOUVER SCHEDULE								
TAG	CFM	SIZE W"XH"	MAX. FPM	FREE AREA	BASIS OF DESIGN	NOTES		
L-1	3600	32X36	823	4.4	GREENHECK ESD-635X	1		
L-2	3600	32X36	823	4.4	GREENHECK ESD-635X	2		

INOTES:

1. PROVIDE INSECT SCREEN

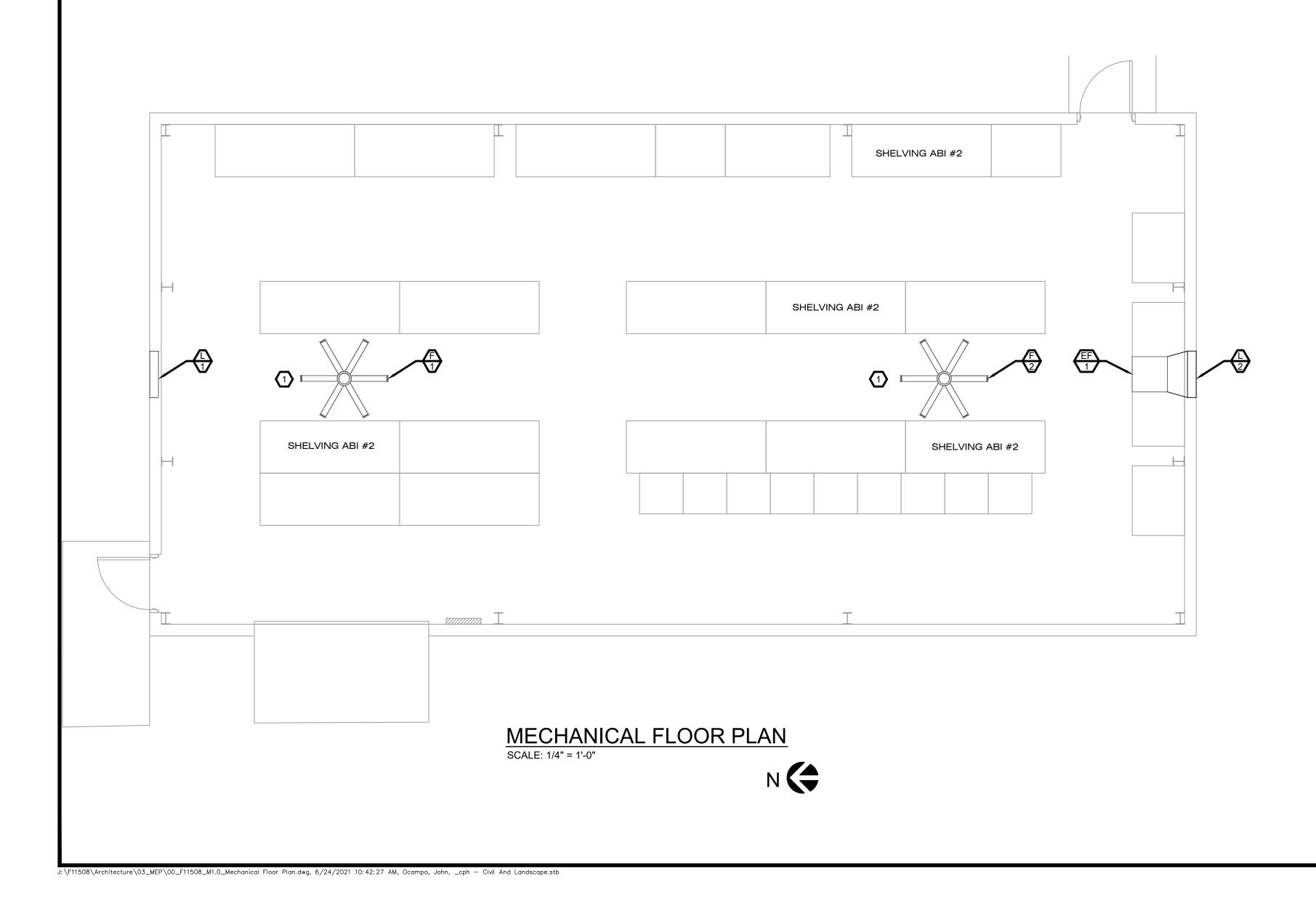
2. PROVIDE BIRD SCREEN

	EXHAUST FAN SCHEDULE ABI #4											
TAG	AREA SERVED	TYPE	DRIVE	CFM	MOTOR RPM	ESP (IN.)	BHP	HP	V/PH/HZ	APPROXIMATE WALL OPENING SIZE (IN.)	MANUFACTURER/ MODEL NO.	NOTES
EF-1	WAREHOUSE	PROPELLER WALL FAN	DIRECT	3600	1725/1692	0.5	0.772	7/8	115/1/60	32X36	GREENHECK/ XWD-VF	1
NOTES:			•				<u>+</u>			•		

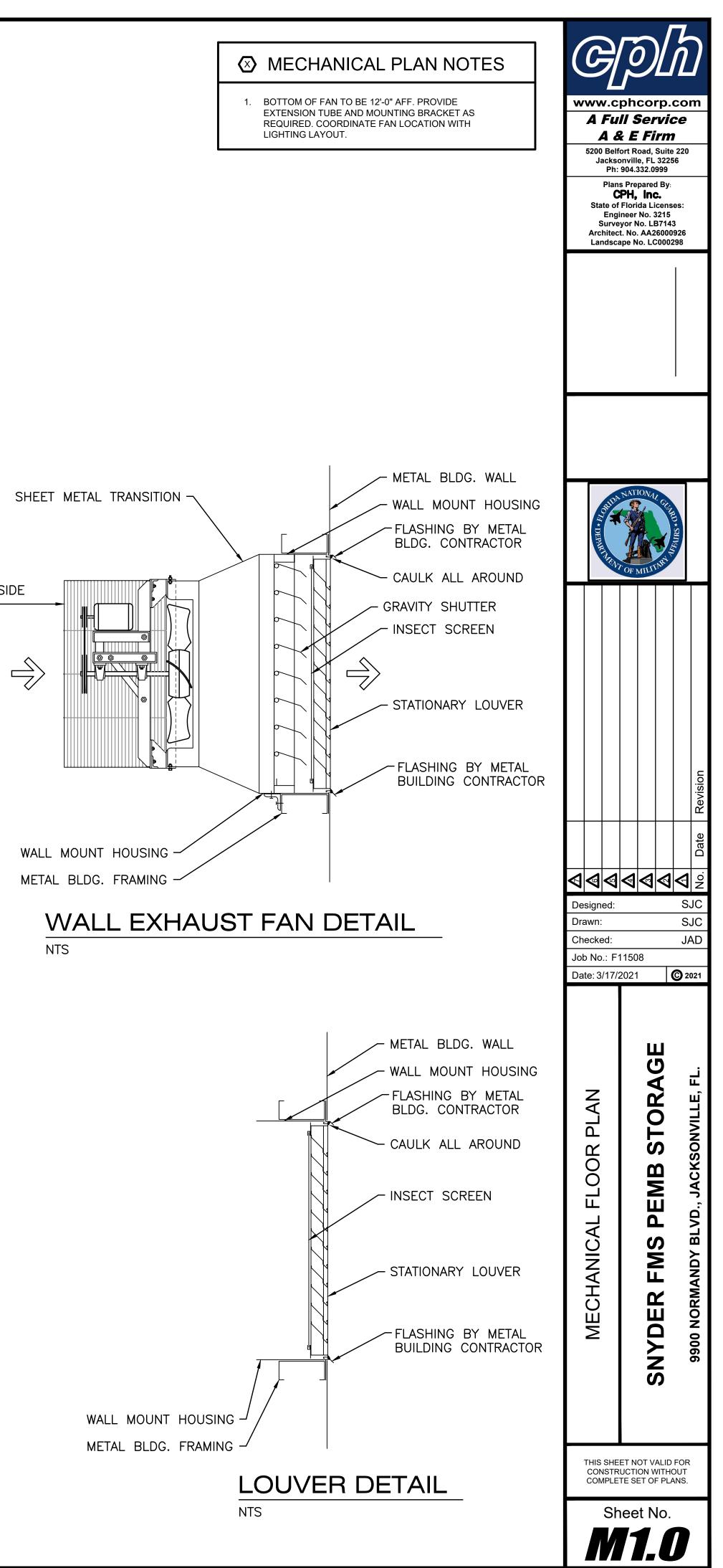
1. PRPOVIDE THERMOSTAT CONTROL, SET TEMPERATURE TO 85°F.

	HVLS FAN SCHEDULE ABI #3											
TAG M	MANUFACTURER	MODEL	DIAMETER (IN)	# OF AIR FOILS	WEIGHT (LBS)	FAN SPEED	MAX RPM	CONTROL	VOLT/PH	MAX WATTS	MAX AMPS	NOTES
F-1 F-2	BIG ASS FANS	i6	60	6	34	7 SPEEDS	200	SENSEME	100-277 / 1	67.3	0.57	1

1. VERIFY EXTENSION TUBE LENGTH AND MOUNTING BRACKET WITH MANUFACTURER PRIOR TO ORDERING.



MOTOR SIDE GUARD —



	ELECTRICAL SYMBOL LEGEND
SYMBOL	DESCRIPTION
	DISCONNECT SWITCH - XX/XX/X/XX = FRAME SIZE / FUSE SIZE / POLES/ENCLOSURE.
	FLUSH MOUNTED PANEL.
	SURFACE MOUNTED PANEL.
	ABOVE GRADE CIRCUIT.
/ _ \	BELOW GRADE CIRCUIT.
	CIRCUIT HOMERUN.
<b>&gt;</b>	CONDUIT STUB OUT AND CAP.
φ	WALL OUTLET BOX & 20 AMP DUPLEX RECEPTACLE.
₽ <sub>GFI</sub>	WALL OUTLET BOX & 20 AMP GFI RECEPTACLE.
$\Phi_{WP}$	WALL OUTLET BOX & 20 AMP RECEPTACLE WITH WEATHERPROOF-IN-USE COVER.
₽	WALL OUTLET BOX & QUAD RECEPTACLE.
$\mathbf{\nabla}$	TELEPHONE/DATA OUTLET.
$\bigtriangledown$	DATA OUTLET.
Ŷ	SPECIAL RECEPTACLE FOR EQUIPMENT, NEMA TYPE AS INDICATED
05	CEILING MOUNTED OCCUPANCY SENSOR.
\$P	PILOT SWITCH.
\$	SINGLE POLE LIGHT SWITCH.
\$x	THREE WAY LIGHT SWITCH.
۲	CONDUIT STUB UP LOCATION.

TYPICAL MOUNT	ING HEIGHTS
WALL SWITCHES	+48" A.F.F.
RECEPTACLE OUTLETS (GENERAL)	+18" A.F.F.
VOICE AND DATA	+48" A.F.F.

				:	ABBREVIATIONS
MARK ABV AFF ACL AC A AMP AIC AL ATS BAL BR BKR BGB CAB CATV	DESCRIPTION ABOVE ABOVE FINISHED FLOOR ACROSS THE LINE ALTERNATING CURRENT AMPERE AMPERE AMPERES INTERRUPTING CAPACITY ALUMINUM AUTOMATIC TRANSFER SWITCH BALLAST BRANCH BREAKER BUILDING GROUND BOX CABINET CABLE TELEVISION	CUH CT Hz DED DC DS DPDT EGC ELEC ETR EWC EWH EM EQ EUH	CABINET UNIT HEATER CURRENT TRANSFORMER HERTZ (CYCLES/SECOND) DEDICATED CIRCUIT DIRECT CURRENT DISCONNECT SWITCH DOUBLE POLE DOUBLE THROW EQUIPMENT GROUNDING CONDUCTOR ELECTRIC EXISTING TO REMAIN ELECTRIC WATER COOLER ELECTRIC WATER HEATER EMERGENCY EQUIPMENT ELECTRIC UNIT HEATER	F FUT GRD,G GFI,GFCI HP IC IMC JB kW kVA KO LTG LS LV MH	FUSE FUTURE GROUND GROUND FAULT INTERRUPTER HORSE POWER INTERRUPTING CAPACITY INTERMEDIATE GRADE CONDUIT JUNCTION BOX KILOWATT KILOVOLT-AMPERE KNOCKOUT LIGHTING LOUD SPEAKER LOW VOLTAGE MANHOLE
CLG CB CCT CCTV COAX CU C CONT CP Cu	CEILING CIRCUIT BREAKER CIRCUIT CLOSED CIRCUIT TELEVISION COAXIAL COEFFICIENT OF UTILIZATION CONDUIT CONTINUOUS CONTROL PANEL COPPER	EX FPB FA FAAP FACP FDC FB FBC FEC FVNR	EXISTING FAN POWERED BOX FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM CONTROL PANEL FIRE DEPARTMENT CONNECTION FLOORBOX FLORIDA BUILDING CODE 6TH EDITION FLORIDA ENERGY CODE 6TH EDITION FULL VOLTAGE NON-REVERSING	MFR MCP MCC MTD NEC NL NC NO NIC	MANUFACTURER MOTOR MOTOR CIRCUIT PROTECTOR MOTOR CONTROL CENTER MOUNTED NATIONAL ELECTRICAL CODE(NFPA 70-1 NIGHT LIGHT (UNSWITCHED CCT.) NORMALLY CLOSED NORMALLY OPENED NOT IN CONTRACT

NOTE: NOT ALL ABBREVIATIONS ARE USED IN THIS PROJECT.

J: \F11508\Architecture\03\_MEP\00\_F11508\_E0.1\_Electrical General Notes And Sheet Index.dwg, 4/29/2021 2:56:31 PM, Ocampo, John, \_cph - Civil And Landscape.stb

## SCOPE OF WORK

- 1. NEW EXTERIOR DOOR LIGHTS TO BE INSTALLED AT DOORS.
- 2. NEW INTERIOR LED LIGHTING TO BE INSTALLED.
- 3. NEW EMERGENCY LIGHTING TO BE INSTALLED.
- 4. NEW 100A PANEL BOARD WITH NEW BREAKERS TO BE INSTALLED.
- 5. NEW FIBER OPTIC CABLE AND TELEPHONE CABLE TO BE INSTALLED.

## **GENERAL NOTES**

- 1. ALL WORK SHALL COMPLY WITH NATIONAL ELECTRICAL CODE, STATE, AND LOCAL CODE, STANDARDS AND ORDINANCES.
- 2. THE DRAWINGS ARE DIAGRAMMATIC AND THE OMISSION OF AN ITEM NECESSARY FOR THE PROPER FUNCTIONING OF THE SYSTEM DOES NOT RELIEVE THE CONTRACTOR FROM FURNISHING AND INSTALLING THAT ITEM.
- 3. NOTIFY ARCHITECT/ ENGINEER OF ANY CONFLICTS PRIOR TO PURCHASING EQUIPMENT AND PRIOR TO CUTTING OPENING.
- 4. PRIOR TO BID, COORDINATE ALL ELECTRICAL WORK WITH EXISTING BUILDING AND OTHER TRADES. SEE SPECIFICATIONS FOR REQUIREMENTS.
- 5. CONTRACTOR SHALL NOT CONCEAL ANY WORK UNTIL INSPECTED BY ELECTRICAL INSPECTOR AND/OR ARCHITECT/ENGINEER. CONTRACTOR SHALL NOTIFY A/E OF A SCHEDULED INSPECTION TIME WITHIN 72 HOURS. CONTRACTORS SHALL NOT CONCEAL WORK UNTIL APPROVED.
- 6. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND GENERAL CONTRACTOR ON REQUIREMENTS FOR STRUCTURAL SUPPORT AND FRAMING FOR ALL ELECTRICAL EQUIPMENT AND SYSTEMS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND VERIFYING STRUCTURAL SUPPORT AND FRAMING.
- 7. THE SIZE, LOCATION, WEIGHT, AND NEC ARTICLE 110 REQUIRED SERVICE CLEARANCES OF EQUIPMENT INSTALLED UNDER DIVISION 16 ELECTRICAL SHALL BE COORDINATED WITH ALL OTHER TRADES.
- 8. WHERE CROWDED LOCATIONS EXIST OR WHERE THERE IS A POSSIBILITY OF CONFLICT BETWEEN TRADES, CONTRACTOR SHALL MAKE COMPOSITE DRAWINGS SHOWING THE EXACT LOCATION OF DUCTS, CONDUIT AND EQUIPMENT. DRAWINGS SHALL BE BASED ON FIELD MEASUREMENTS AND, AFTER CONSULTATION AND AGREEMENT BETWEEN THE TRADES, SHALL BE APPROVED BY THE ARCHITECT BEFORE INSTALLATION OF THE WORK.
- 9. SURGE PROTECTION SHALL BE PROVIDED ON ALL LIGHTING CABLES ENTERING/ EXITING BUILDINGS THAT CONNECT TO ELECTRICAL EQUIPMENT.
- 10. INSTALL SURGE PROTECTIVE DEVICE IN EACH PANEL WITH EQUIPMENT SHOWN ON THE PANEL SCHEDULE AS SURGE DEVICE OR TVSS. LOCATE SPD CB IN BREAKER POSITION CLOSTEST TO END OF BUS FED (TOP OR BOTTOM) AND REGARDLESS OF LOCATION SHOWN IN SCHEDULE. REARRANGE CIRCUITS AS REQUIRED.
- 11. ALL SITE EXCAVATION OR TRENCHING SHALL BE DONE BY HAND. ALL CONDUITS SHALL HAVE A MINIMUM BURIAL DEPTH OF 24".
- 12. ELECTRICAL CONTRACTOR IS TO PROVIDE PULL STRINGS IN ALL EMPTY CONDUIT AND RACEWAYS WITH LABELING TAGS AT EACH END.
- 13. ALL RACEWAY TERMINATION SHALL HAVE BUSHINGS AND BE GROUNDED WHERE RACEWAY IS METAL.
- 14. ALL WALL OUTLETS AND FLOOR OUTLETS SHALL HAVE A 3/4" MINIMUM CONDUIT CONTINUOUS TO PANEL OF BRANCH CIRCUIT.
- 15. ALL NEW PANELS SHALL BE BONDED TO THE BUILDING'S GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH NEC ARTICLE 250-58.
- 16. ALL BARE NON GALVANIZED METAL SURFACES SHALL BE PRIMED AND PAINTED TO PREVENT ANY RUST, INCLUDING BUT NOT LIMITED TO ANGLE FRAMING, EQUIPMENT SUPPORTS, MOUNTING HARDWARE, ETC.
- 17. NO SPLICES SHALL BE PERMITTED IN UNDERGROUND/FLUSH IN-GRADE PULL BOXES WITHOUT PRIOR WRITTEN APPROVAL BY ENGINEER OF RECORD.
- 18. DO NOT SCALE FROM THESE DRAWINGS. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS.
- 19. ALL EQUIPMENT SHALL HAVE A MEANS OF DISCONNECT REQUIRED BY NEC.
- 20. ALL RACEWAYS SHALL HAVE A GREEN GROUNDING CONDUCTOR.
- 21. WHERE PENETRATIONS ARE MADE THROUGH A REQUIRED FIRE-RESISTIVE WALL, FLOOR, OR PARTITION FOR THE PURPOSE OF RUNNING RACEWAY CARRYING ELECTRICAL, TELEPHONE, TELEVISION, OR LOCAL COMMUNICATION AND/OR SIGNALING CIRCUITS, PROVIDE FIRE STOPPING AROUND THE OPENING OF THE RACEWAY PER THE STATE BUILDING CODE. MAINTAIN COORDINATION WITH THE GENERAL CONTRACTOR TO INSURE THAT THIS FIRE STOPPING IS ACCOMPLISHED.
- 22. EC SHALL FURNISH AND INSTALL EXPANSION JOINTS AT ALL LOCATIONS WHERE BUILDING EXPANSION JOINTS ARE USED.
- 23. ALL METAL SURFACES SHALL BE GROUNDED.

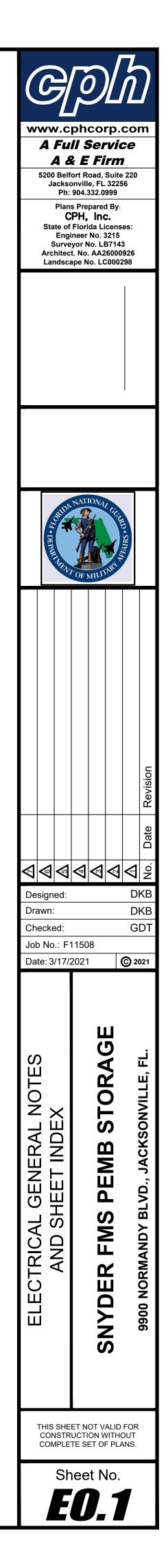
## ELECTRICAL DRAWING INDEX

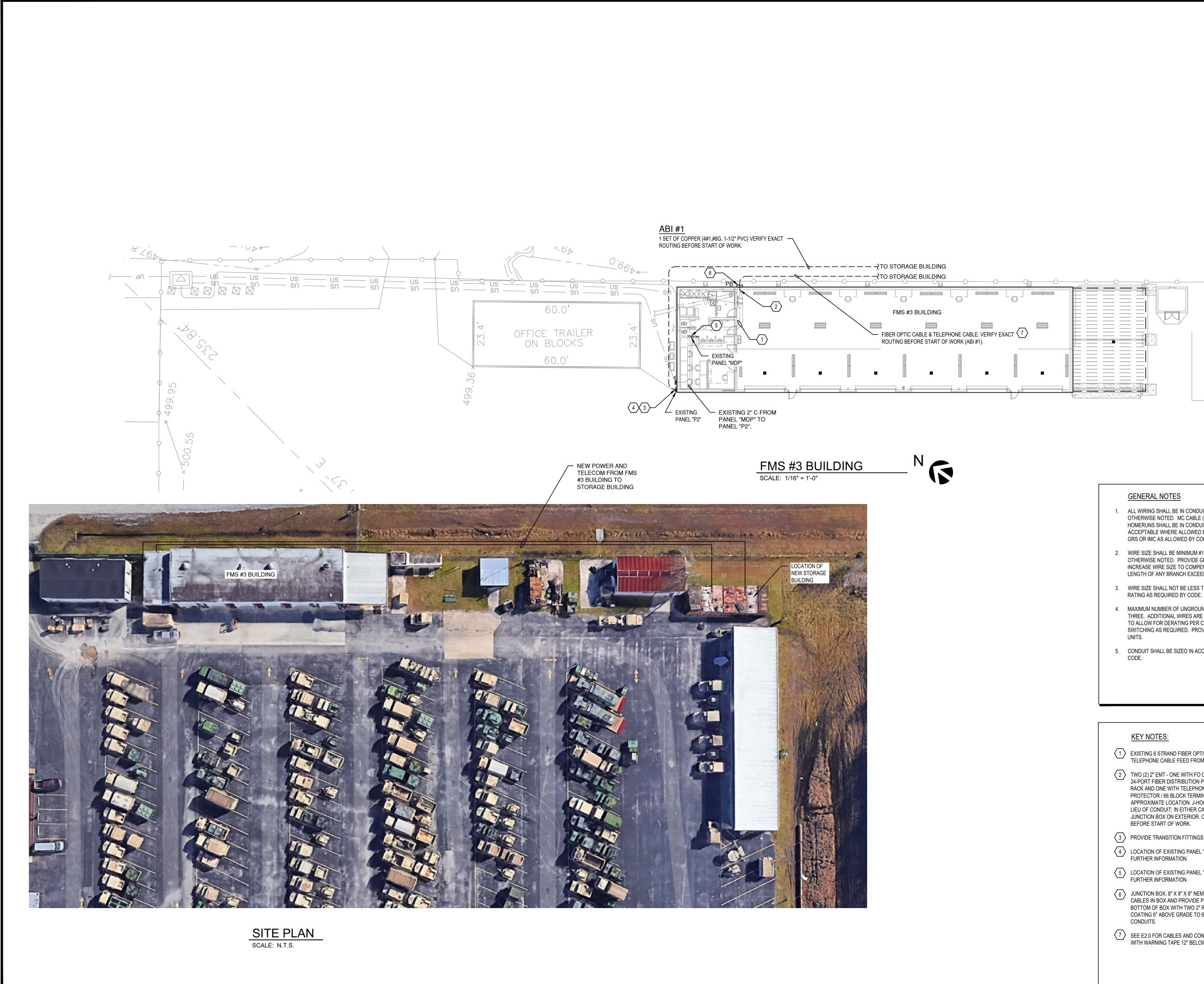
## DESCRIPTION

E0.1 E1.0 E1.1 E2.0

ELECTRICAL GENERAL NOTES AND SHEET INDEX EXISTING ELECTRICAL SITE PLAN NEW ELECTRICAL BUILDING PLAN ELECTRICAL PANEL SCHEDULE

> ALL WORK AND EQUIPMENT SHALL BE IN STRICT COMPLIANCE WITH THE PROVISIONS OF THE LATEST LOCAL AND NATIONAL ELECTRICAL CODE ADOPTED BY THE JURISDICTION WHERE PROJECT TAKES PLACE.

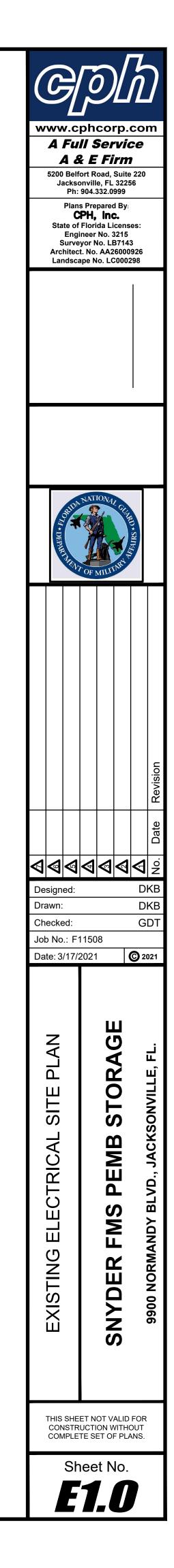


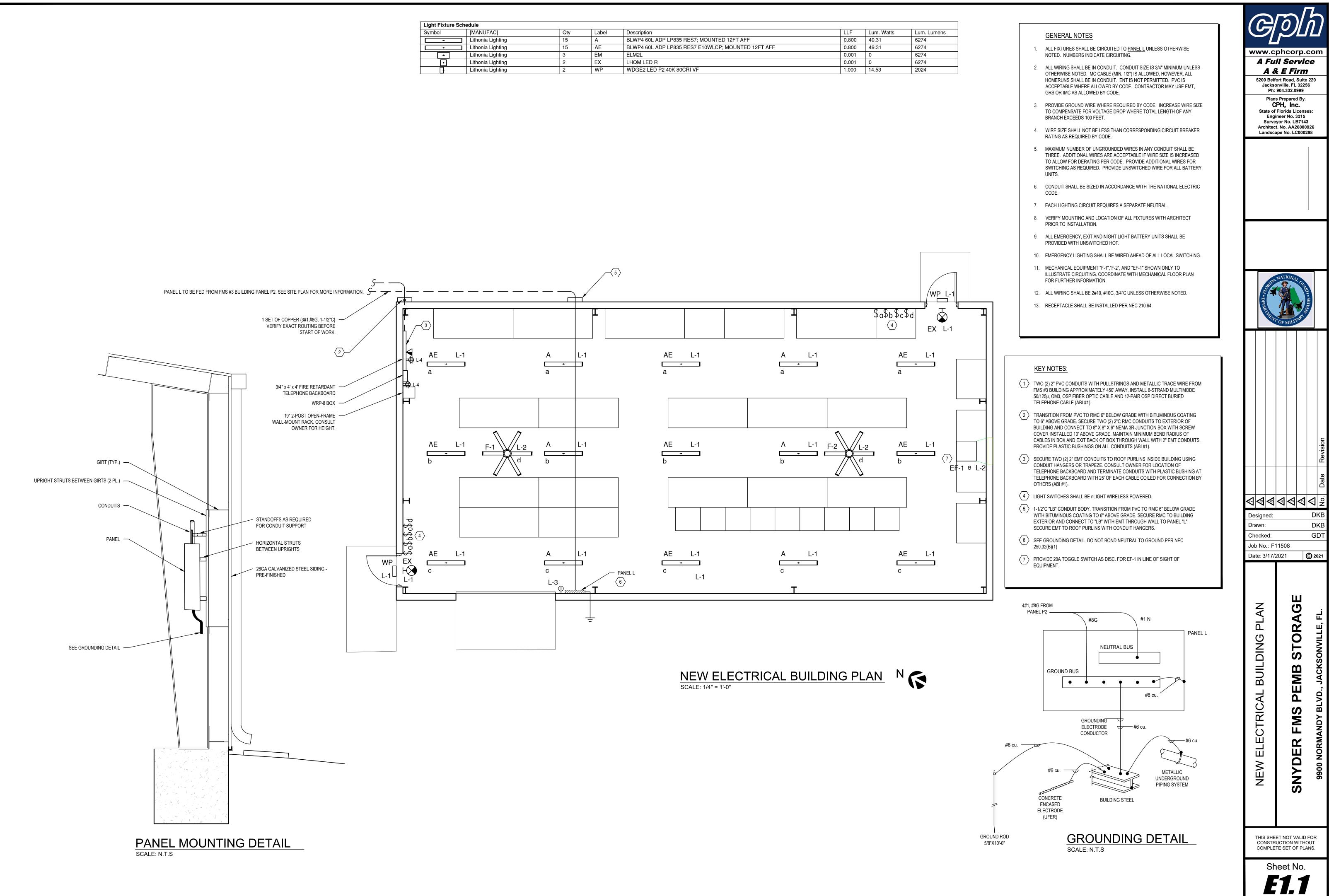


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- 1. ALL WIRING SHALL BE IN CONDUIT. CONDUIT SIZE IS 3/4" MINIMUM UNLESS OTHERWISE NOTED. MC CABLE (MIN. 1/2") IS ALLOWED, HOWEVER, ALL HOMERUNS SHALL BE IN CONDUIT. ENT IS NOT PERMITTED. PVC IS ACCEPTABLE WHERE ALLOWED BY CODE. CONTRACTOR MAY USE EMT, GRS OR IMC AS ALLOWED BY CODE.
- WIRE SIZE SHALL BE MINIMUM #12 AWG, THWN SOLID COPPER UNLESS OTHERWISE NOTED. PROVIDE GROUND WIRE WHERE REQUIRED BY CODE. INCREASE WIRE SIZE TO COMPENSATE FOR VOLTAGE DROP WHERE TOTAL LENGTH OF ANY BRANCH EXCEEDS 100 FEET.
- 3. WIRE SIZE SHALL NOT BE LESS THAN CORRESPONDING CIRCUIT BREAKER RATING AS REQUIRED BY CODE.
- 4. MAXIMUM NUMBER OF UNGROUNDED WIRES IN ANY CONDUIT SHALL BE THREE. ADDITIONAL WIRES ARE ACCEPTABLE IF WIRE SIZE IS INCREASED TO ALLOW FOR DERATING PER CODE. PROVIDE ADDITIONAL WIRES FOR SWITCHING AS REQUIRED. PROVIDE UNSWITCHED WIRE FOR ALL BATTERY
- 5. CONDUIT SHALL BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRIC

$\langle 1 \rangle$	EXISTING 6 STRAND FIBER OPTIC OSP CABLE AND DIRECT BURY COPPER TELEPHONE CABLE FEED FROM MAIN BUILDING TO FMS-3 BUILDING.
2	TWO (2) 2" EMT - ONE WITH FO CABLE AND TYPE 'LC' CONNECTORS FROM 24-PORT FIBER DISTRIBUTION PANEL IN WALL-MOUNTED TELECOMMUNICATIONS RACK AND ONE WITH TELEPHONE CABLE FROM BUILDING ENTRANCE PROTECTOR / 66 BLOCK TERMINALS ON TELEPHONE BACKBOARD IN THIS APPROXIMATE LOCATION. J-HOOKS MAY BE USED ABOVE SUSPENDED CEILING IN LIEU OF CONDUIT; IN EITHER CASE, EXTEND CONDUITS THROUGH WALL TO JUNCTION BOX ON EXTERIOR. CONTRACTOR SHALL VERIFY EXACT LOCATIONS BEFORE START OF WORK.
$\langle 3 \rangle$	PROVIDE TRANSITION FITTINGS FROM RIGID TO PVC.
$\langle 4 \rangle$	LOCATION OF EXISTING PANEL "P2". SEE PANEL SCHEDULE ON SHEET E2.0 FOR FURTHER INFORMATION.
5	LOCATION OF EXISTING PANEL "MDP". SEE PANEL SCHEDULE ON SHEET E2.0 FOR FURTHER INFORMATION.
6	JUNCTION BOX, 8" X 8" X 6" NEMA 3R. MAINTAIN MINIMUM BEND RADIUS OF CABLES IN BOX AND PROVIDE PLASTIC BUSHING ON ALL CONDUITS. EXIT BOTTOM OF BOX WITH TWO 2" RMC CONDUITS TO GRADE. PROVIDE BITUMINOUS COATING 6" ABOVE GRADE TO 6" BELOW GRADE AND TRANSITION TO 2" PVC CONDUITS.
$\langle 7 \rangle$	SEE E2.0 FOR CABLES AND CONDUITS. INSTALL CONDUIT AT A DEPTH OF 30" WITH WARNING TAPE 12" BELOW THE GROUND LEVEL.





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Light Fixture Sc	hedule						
Symbol	[MANUFAC]	Qty	Label	Description	LLF	Lum. Watts	Lum
· · ·	Lithonia Lighting	15	A	BLWP4 60L ADP LP835 RES7; MOUNTED 12FT AFF	0.800	49.31	6274
· · ·	Lithonia Lighting	15	AE	BLWP4 60L ADP LP835 RES7 E10WLCP; MOUNTED 12FT AFF	0.800	49.31	6274
<b>→</b>	Lithonia Lighting	3	EM	ELM2L	0.001	0	6274
•	Lithonia Lighting	2	EX	LHQM LED R	0.001	0	6274
	Lithonia Lighting	2	WP	WDGE2 LED P2 40K 80CRI VF	1.000	14.53	2024

	AIN LUGS: 400 /OLTAGE: 200 PHASE: 3 WIRE: 4	BY/120V	– MC MANUFA	DUNTING:		-	_	_			Status: EXISTING Project Name: SNYDER FMS STO Project Number: F11508 Location: FMS #3 BUILDI		SECTION: 1	VOLT PH \	KER: 100 AGE: 208 ASE: 3 VIRE: 4	3Y/120V		AIC: OUNTING: ACTURER:	SUR	K AMPS FACE SQUARE D
C K T CIRCUIT DESCRIPTION		DAD/PHASE	(KVA)	(	CIRCUITI	BREAKE	R	LOA	D/PHASE	(KVA) (	CIRCUIT DESCRIPTION	С N К О Т Т Е	О К Т Т	CIRCUIT DESCRIPTION		)AD/PHASE (	KVA)		CIRCUIT	BREAKER
#	E A	В	С	TRIP	POLES	POLES	TRIP	Α	В	C		# S	S #		E A	В	С	TRIP	POLES	POLES T
1	10.9					1	20	0.4			RECP, GARAGE BAY	2		IGHTING	L 0.8			20	1	1 3
3 PANEL P1	0	8.4		20	3	1	20		0.4		RECP, GARAGE BAY	4	3 S	ERVICE PANEL RECEPTACLE	R	0.2		20	1	1 /
5			8.9			1	20				RECP, GARAGE BAY	6	5					20	1	
7 WORK BENCH	0 0.4	_		20	1	1	20	0.4			RECP, GARAGE BAY	8	7					20	1	
9 WORK BENCH 11 WORK BENCH	0	0.4		20	1	1	20		1.2		RECP, GARAGE BAY	10	9			_		20	1	
13 WORK BENCH	0 04		0.4	20 20	1	2	20	0.0		0.9	EF-2 (2HP)	12 14	11 13					20	1	
15 WORK BENCH	0 0.4				1	3	20	0.9	0.0		EF-2 (20F)	14	15			_		20 20	1	
17 PARTS WASHER	0	0.4	1.2	20 20	1				0.9	0.9		18	17					20	1	
19	0.9		1.2	20		3	20	0.9			EF-5 (2HP)	20	19					20	1	
21 EF-1 (2HP)	M	0.9		20	3	0	20	0.5	0.9			20	21					20	1	
23		0.0	0.9		-				0.0	0.6		24	23					20	1	
25	0.6		0.0			3	15	0.6			EF-8 (2HP)	26	25					20	1	1 2
27 EXAUST FAN EF-3 (RL) *	M	0.6		20	3				0.6			28	27					20	1	1
29			0.6			1	20				SPARE	30	29					20	1	1 :
31	0.9					1	20	0.9		Ν	BAY 4 ROLL UP DOOR	32			0.8	0.2	0.0			I
33 EF-4 (2HP)	м	0.9		20	3	1	20		0.9	Ν	BAY 5 ROLL UP DOOR	34				I	1	1		
35			0.9			1	20			0.9	BAY 6 ROLL UP DOOR	36								
37 BAY2 ROLL UP DOOR	M 0.9			20	1	1	20	0.6		F	RECP, BAY AREA NORTH	38			CONN.	ADUIET		DEMAND		
39 BAY 3 ROLL UP DOOR	M	0.9		20	1	1	20		0.6	F	RECP, BAY AREA SOUTH	40			LOAD	ALUUST.	DEM AND FACTOR	LOAD		
41 BAY1 ROLL UP DOOR	Μ		0.9	20	1					3.7		42			(KVA)			(KVA)		
43 IH-1,2,3,9	O 0.4			20	1	3	40	3.7		Ν	AIR COMPRESSOR (RL) *	44		LIGHT	NG (L) 0.8	1.00	1.25	1.0		TOTAL CON
45 IH-4,5,6,9	0	0.4		20	1				3.7			46		RECEPTACL			NEC	0.9	_	TOTAL D
47 SUMP PUMP (RL) *	Μ		1.0	20	1	1	20				GRINDER	48		LARGEST MOTO		1.00	1.25	0.0	4	D
49 SPARE				20	1	1	20	1.2		(	WELDER	50		ALL OTHER MOTO		1.00	1.00	0.0	4	
51 PART WASHER	0	1.2		20	1	2	30		3.2	(	PRESSURE WASHER	52		НЕАТ		1.00	1.00	0.0	4	
53 PANEL P3	0		1.9	60	2	-				3.2		54		COOLI		1.00	1.00	0.0	-	
55	1.3					1	20	0.2			RECP CEILING (GFCI) 1	56			ER (O) 1.1	1.00	1.00	1.1	-	
57 SPACE				-	1	1	20		0.2		RECP CEILING (GFCI) 2	58				1.00	1.25	0.0	-	
59 SPACE				-	1	1	20	0.0			RECP CEILING (GFCI) 3 RECP CEILING (GFCI) 4	60		DRYE EC ARTICLE 220 KITCH		1.00	1.00	0.0	-	
61 63 SPD				125	2	1	20	0.2	0.2		RECP CELLING (GFCI) 4 RECP CELLING (GFCI) 5	62 64		EC ARTICLE 220 KITCH	EN (K) 0.0	1.00	1.00	0.0	1	
65				120	5	1	20 20		0.2		RECP CELLING (GFCI) 6	66								
67	16.9						20			0.2		68								
69 PANEL P2 (SUBFEED)	0	13.6		175	3	3	30				SPD	70								
71		10.0	12.1		Ŭ	-						70								
		27.7	28.8				<u> </u>	10.0	12.8	12.9										

		Conn. Load (Kva)	ADJUST. FACTOR	DEMAND FACTOR	Demand Load (KVA)		
	LIGHTING (L)	0.0	1.00	1.25	0.0	TOTAL CONNECTED LOAD:	125.8 KVA
	RECEPTACLES (R)	5.2		NEC	5.2	TOTAL DEMAND LOAD:	128.6 KVA
	LARGEST MOTOR (M)	11.1	1.00	1.25	13.9	DEMAND AMPS:	357.3 AMPS
	ALL OTHER MOTORS (M)	20.8	1.00	1.00	20.8		
	HEATING (H)	0.0	1.00	1.00	0.0		
	COOLING (C)	0.0	1.00	1.00	0.0	PERCENT IMBALANCE:	7.1 %
	OTHER (O)	88.7	1.00	1.00	88.7		
	WATER HEATERS (W)	0.0	1.00	1.25	0.0	PANEL EQU	JIPMENT:
	DRYERS (D)	0.0	1.00	1.00	0.0		
PER NEC ARTICLE 220	KITCHEN (K)	0.0	1.00	1.00	0.0		

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CIRCUIT DESCRIPTION	C O D E O	LO. A 9.6	AD/PHASE ( B 9.6	(KVA) C	TRIP	
SATS SHELTER	0 D E 0	A	В			
	0		_	С	TRIP	POLE
		9.6	9.6			
			9.6		-	1
SECURITY LIGHTING (RL) *					100	3
SECURITY LIGHTING (RL) *				9.6		
	L	1.2			20	1
SPARE					20	1
GWH-1	0			0.2	20	1
GWH-2	0	0.2			20	1
			0.6			
NEW PANEL 'L' IN NEW STORAGE BLDG.	0			0.0	100	3
		1.9				
						1
					20	1
					20	1
PREPARED SPACE					20	1
PREPARED SPACE					20	1
		12.9	10.2	9.8		
		SPARE   PREPARED SPACE     PREPARED SPACE   Image: Constraint of the second	SPARESPARESPARESPAREPREPARED SPACESPACEPREPARED SPACESPACEPREPARED SPACESPACE	SPARESPARESPAREImage: Spare in the second	SPARESPARESPARESPARESPARESPAREPREPARED SPACESPACESPAREPREPARED SPACESPACESPAREPREPARED SPACESPACESPARESPARED SPACESPARESPARESPARED SPACESPARESPARESPARED SPACESPARESPARESPARED SPARED SPACESPARESPARESPARED SPARED SPARESPARESPARESPARED SPARESPARESPARE <t< td=""><td>SPARE20SPARE20SPARE20PREPARED SPACE20PREPARED SPACE20PREPARED SPACE20PREPARED SPACE20</td></t<>	SPARE20SPARE20SPARE20PREPARED SPACE20PREPARED SPACE20PREPARED SPACE20PREPARED SPACE20

	CONN. LOAD (KVA)	ADJUST. FACTOR	DEMAND FACTOR	DEMAND LOAD (KVA)
LIGHTING (L)	2.4	1.00	1.25	3.0
RECEPTACLES (R)	0.0		NEC	0.0
LARGEST MOTOR (M)	0.0	1.00	1.25	0.0
ALL OTHER MOTORS (M)	0.0	1.00	1.00	0.0
HEATING (H)	0.0	1.00	1.00	0.0
COOLING (C)	0.0	1.00	1.00	0.0
OTHER (O)	39.1	1.00	1.00	39.1
WATER HEATERS (W)	0.0	1.00	1.25	0.0
DRYERS (D)	0.0	1.00	1.00	0.0
PER NEC ARTICLE 220 KITCHEN (K)	0.0	1.00	1.00	0.0

