

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE 1 OF 5 PAGES
2. AMENDMENT/MODIFICATION NO. AMENDMENT NO. 0005		3. EFFECTIVE DATE 09/12/12	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable) 11-0207
6. ISSUED BY CODE eaw Officer in Charge of Construction MCI-East 1005 Michael Road Camp Lejeune, NC 28547-2521		7. ADMINISTERED BY (If other than Item 6) CODE See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)			(X)	9A. AMENDMENT OF SOLICITATION NO. N40085-11-R-0207
			X	9B. DATED (SEE ITEM 11) 08/09/12
				10A. MODIFICATION OF CONTRACT/ORDER NO.
				10B. DATED (SEE ITEM 11)
CODE	FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:  
 (a) By completing items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

11-0207, Repair Flight Simulator Facility, Bldg AS320

Proposals received at 1500 hours on 27 August 2012 are hereby cancelled. Revisions to the RFP are hereby incorporated in accordance with the attached.

-- See Continuation Page --

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)		16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	
15C. DATE SIGNED		16C. DATE SIGNED	

Continuation Page

1. The date and time for receipt of revised proposals is hereby extended to 0900 on 14 September 2012.
2. The attached revised E-1 and E-4 sheets include Shunt Trip Breakers on the panels serving the simulator equipment and related computers and controllers (See clouded areas for changes). E-1: Equipment Connection Schedule - Conductor sizes for item 1, 6, & 7 have changed. FP-4: see clouded areas for changes.

REVISIONS		
SYMBOL	DATE	APPROVED
REVISED EQUIPMENT SCHEDULE	8/29/12	
SHUNT-TRIP REVISIONS	9/5/12	

**SYMBOL SCHEDULE**

GENERAL SYMBOLS	
SYMBOL	DESCRIPTION
—	CONDUIT RUN CONCEALED ABOVE CEILINGS OR IN WALLS.
----	CONDUIT RUN CONCEALED IN OR BELOW FLOORS OR UNDERGROUND.
----	CONDUIT RUN EXPOSED.
↗	CONDUIT TURNING UP
↘	CONDUIT TURNING DOWN
—	SQUARE ON CONDUIT SYMBOL INDICATES THAT CIRCUIT CONTINUES BUT NOT SWITCHLEG.
→	HOMERUN TO PANEL AND CIRCUIT(S) DESIGNATED. ARROW(S) INDICATE QUANTITY OF CIRCUITS.
⊙	JUNCTION BOX PER N.E.C.
◇	SPECIAL NOTE, NUMERALS IDENTIFY, SEE SCHEDULE.
①	SPECIAL CONNECTION TO A SPECIFIC ITEM OF EQUIPMENT. SEE CONNECTION SCHEDULE.
⊕	MOTOR CONNECTION. RATING AS NOTED.

LIGHTING	
SYMBOL	DESCRIPTION
○	FLUORESCENT LIGHTING FIXTURE, DRAWN TO SCALE.
●	FLUORESCENT LIGHTING FIXTURE, CONNECTED TO AN EMERGENCY CIRCUIT (SWITCHED)
◻	FLUORESCENT LIGHTING FIXTURE, UTILIZED AS A NIGHT-LIGHT. CONNECT TO THE UNSWITCHED LEG OF THE CIRCUIT.
◻	FLUORESCENT LIGHTING FIXTURE, CONNECTED TO AN EMERGENCY CIRCUIT, CONNECT TO THE UNSWITCHED LEG OF THE CIRCUIT.
—	BARE FLUORESCENT STRIP FIXTURE.
—	BARE FLUORESCENT STRIP FIXTURE CONNECTED TO AN EMERGENCY CIRCUIT. CONNECT TO THE UNSWITCHED LEG OF THE CIRCUIT.
○	INCANDESCENT, HID OR COMPACT FLUORESCENT LIGHTING FIXTURE, CEILING MOUNTED.
●	INCANDESCENT, HID OR COMPACT FLUORESCENT LIGHTING FIXTURE, CONNECTED TO AN EMERGENCY CIRCUIT OR EMERGENCY BALLAST.
○	INCANDESCENT, HID OR COMPACT FLUORESCENT LIGHTING FIXTURE, WALL MOUNTED.
●	INCANDESCENT, HID OR COMPACT FLUORESCENT LIGHTING FIXTURE, WALL MOUNTED, CONNECTED TO AN EMERGENCY CIRCUIT OR EMERGENCY BALLAST.
⊙	EXIT SIGN, CEILING MOUNTED. SHADING INDICATES FACE ORIENTATION. PROVIDE ARROWS AS SHOWN ON PLAN BESIDE SYMBOL
⊙	EXIT SIGN, WALL MOUNTED. SHADING INDICATES FACE ORIENTATION.
⊕	EMERGENCY BATTERY PACK FIXTURE, CEILING MOUNTED. CONNECT TO UNSWITCHED LEG OF THE CIRCUIT.
⊕	EMERGENCY BATTERY PACK FIXTURE, WALL MOUNTED. CONNECT TO UNSWITCHED LEG OF THE CIRCUIT.

DISTRIBUTION	
SYMBOL	DESCRIPTION
—	ELECTRICAL PANELBOARD, FLUSH MOUNTED.
—	ELECTRICAL PANELBOARD, SURFACE MOUNTED.
—	CONTROL CABINET, FLUSH OR SURFACE MOUNTED.
⊕	MOTOR STARTER
⊕	ENCLOSED CIRCUIT BREAKER
⊕	DISCONNECT SWITCH, NON-FUSIBLE.
⊕	DISCONNECT SWITCH, FUSIBLE.
⊕	DISCONNECT SWITCH PROVIDED WITH EQUIPMENT.
—	GROUND CONNECTION.
⊕	COMBINATION MOTOR STARTER AND NON-FUSIBLE DISCONNECT SWITCH.
⊕	COMBINATION MOTOR STARTER AND FUSIBLE DISCONNECT SWITCH.
⊕	COMBINATION MOTOR STARTER AND CIRCUIT BREAKER.
⊕	DRY-TYPE TRANSFORMER, 480-120/208V 3-PHASE OR 208-120/208V 3-PHASE.

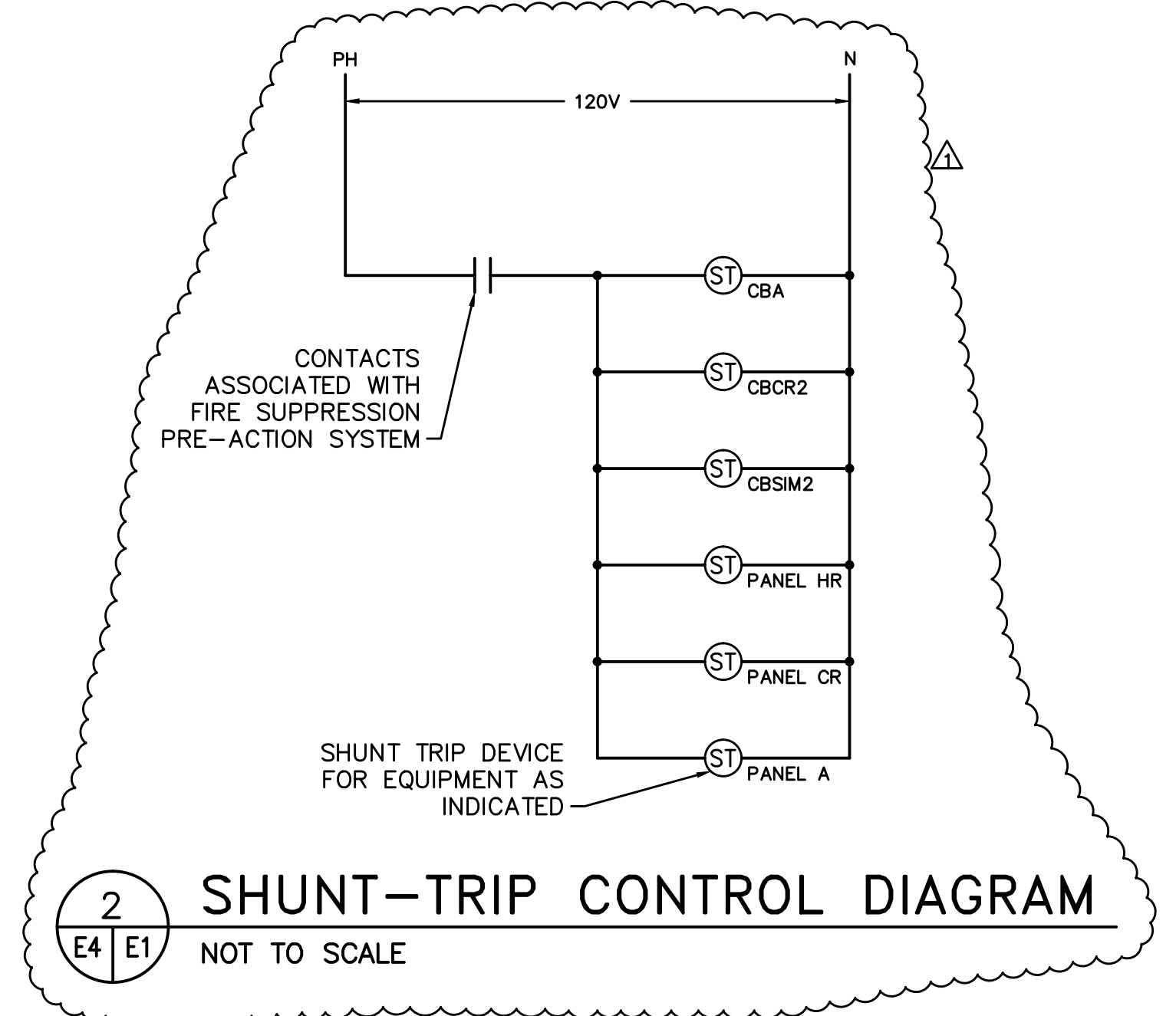
WIRING DEVICES	
SYMBOL	DESCRIPTION
⊕	DUPLEX RECEPTACLE, 125V, 3-WIRE GROUNDING TYPE.
⊕ <sub>EWC</sub>	DUPLEX RECEPTACLE, 125V, GROUND FAULT CIRCUIT INTERRUPTING, 3-WIRE GROUNDING TYPE. LOCATE WITHIN OR BEHIND AN ELECTRIC WATER COOLER. COORDINATE WITH PLUMBER FOR EXACT LOCATION.
⊕ <sub>GFI</sub>	DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTING.
⊕ <sub>WP</sub>	DUPLEX GFCI RECEPTACLE. PROVIDE WITH OPERABLE, IN-USE WEATHERPROOF COVER.
⊕ <sub>C</sub>	DUPLEX RECEPTACLE, 125V, 3-WIRE GROUNDING TYPE. CEILING MOUNTED.
⊕	TWO DUPLEX RECEPTACLES, 125V, 3-WIRE GROUNDING TYPE, IN A TWO-GANG BOX WITH TWO-GANG FACEPLATE.
⊕	SPECIAL PURPOSE RECEPTACLE, WITH SPECIAL NEMA CONFIGURATION AS NOTED.
▽	WALL OUTLET FOR TELECOMMUNICATIONS. SEE SPECIFICATIONS AND/OR DRAWINGS FOR CONDUIT AND CABLING REQUIREMENTS.
⊕	DOT ABOVE OUTLETS INDICATES THAT THE DEVICE IS TO BE INSTALLED ABOVE CASEWORK OR OTHER OBSTACLE. COORDINATE.
S	LIGHT SWITCH, SINGLE-POLE.
S <sub>3</sub>	LIGHT SWITCH, 3-WAY.
S <sub>4</sub>	LIGHT SWITCH, 4-WAY.
SS	WHERE TWO SWITCHES ARE SHOWN CONTROLLING A SINGLE OR COMMON GROUP OF FLUORESCENT LIGHTING FIXTURES, EACH WITH 3 OR MORE LAMPS, THE SWITCH CLOSEST TO THE DOOR SHALL CONTROL THE INNER LAMP(S) IN EACH FIXTURE, AND THE OTHER SWITCH SHALL CONTROL THE OUTER LAMPS IN EACH FIXTURE. WHERE INDICATED, MASTER-SLAVE BALLAST WIRING SHALL BE UTILIZED TO ACHIEVE THIS CONTROL.
St	PROGRAMMABLE LIGHT SWITCH, WALL MOUNTED.
⊕	OCCUPANCY SENSOR, CEILING MOUNTED. PROVIDE WITH 10 FEET WHIP TO ALLOW FIELD ADJUSTMENT OF LOCATION. COORDINATE EXACT LOCATION WITH MANUFACTURERS RECOMMENDATION.

**ABBREVIATIONS**

A	AMPERES	KW	KILOWATTS
ACC	ARMORED CLAD CABLE	LFNC	LIQUIDTIGHT FLEXIBLE NON-METALLIC CONDUIT
AFF	ABOVE FINISHED FLOOR	LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
AFG	ABOVE FINISHED GRADE	LVC	LOW VOLTAGE CONTROL CABINET
ANN	FIRE ALARM ANNUNCIATOR CABINET	MCB	MAIN CIRCUIT BREAKER
C	CONDUIT	MCC	METAL CLAD CABLE
CB	CIRCUIT BREAKER	MLO	MAIN LUGS ONLY MOUNTED
CKT	CIRCUIT	NMC	NON-METALLIC CLAD CABLE
CLG	CEILING	PB	PULLBOX
DN	DOWN	PNL	PANELBOARD
DW	DISHWASHER	PRS	PROGRAM RAPID START PROGRAM START
EC	EMPTY CONDUIT	PS	POWER
EMT	ELECTRICAL METALLIC TUBING	PWR	RECEPTACLE
ENT	ELECTRICAL NON-METALLIC TUBING	REC	RIGID METAL CONDUIT
EWC	ELECTRIC WATER COOLER	RS	RAPID START
FACP	FIRE ALARM CONTROL PANEL	RS	FIRE ALARM WALL STATION
FMC	FLEXIBLE METAL CONDUIT	SC	SWITCH
G	GROUND	SW	SWITCHBOARD
GFI	GROUND FAULT INTERRUPTER	SWBD	SWITCHBOARD
HOA	HAND OFF AUTOMATIC	TTB	TELEPHONE TERMINAL BOARD
HP	HORSEPOWER	TEL	TELEPHONE
HPF	HIGH POWER FACTOR	TV	TELEVISION
HX	HIGH REACTANCE	TYP	TYPICAL
IG	ISOLATED GROUND	V	VOLTS
IMC	INTERMEDIATE METAL CONDUIT	VP	VAPOR PROOF
IS	INSTANT START	W	WALL MOUNTED
JB	JUNCTION BOX	WG	WIRE GUARD
KVA	KILOVOLT-AMPERES	WP	WEATHER PROOF
FPN	FUSE PER NAMEPLATE	XFMR	TRANSFORMER

LOAD DESCRIPTION	WIRE	BKR	CONNECTED LOAD (KVA)	BKR	WIRE	LOAD DESCRIPTION
HWP-3	12 / 15/3	1A	0.4	2A	15/3	HWP-2
	12 / 3B		0.4	4B	12	
	12 / 5C		0.4	6C	12	
HWP-4	12 / 15/3	7A	0.4	8A	15/3	HWP-1
	12 / 9B		0.4	10B	12	
	12 / 11C		0.9	12C	12	
CHWP-1	12 / 15/3	13A	1.3	14A	15/3	CHWP-4
	12 / 15B		1.3	16B	12	
	12 / 17C		2.1	18C	12	
CHWP-2	12 / 15/3	19A	1.3	20A	15/3	CHWP-3
	12 / 21B		1.3	22B	12	
	12 / 23C		2.1	24C	12	
SPACE ONLY	12 / 25A		0.0	26A	12	SPACE ONLY
	12 / 27B		0.0	28B	12	
	12 / 29C		0.0	30C	12	
SPACE ONLY	12 / 31A		0.0	32A	12	SPACE ONLY
	12 / 33B		0.0	34B	12	
	12 / 35C		0.0	36C	12	
SPACE ONLY	12 / 37A		0.0	38A	12	SPACE ONLY
	12 / 39B		0.0	40B	12	
	12 / 41C		0.0	42C	12	
			0.0	9.6	9.6	

NOTES:  
 LIGHTS 0.0 KVA  
 RECEPTS 0.0 KVA  
 MOTORS 28.8 KVA  
 HEAT 0.0 KVA  
 KITCHEN 0.0 KVA  
 CHWPR 0.0 KVA  
 OTHER 0.0 KVA  
 TOTAL 28.8 KVA



ENCLOSED SWITCH AND CIRCUIT BREAKER SCHEDULE									
UNIT	LOCATION	TYPE	VOLTAGE	POLES	FRAME/SWITCH	TRIP/FUSE	SC RATING	ENCLOSURE	NOTES
CBA	BRIEFING ROOM 2	TMCB	208Y/120	3	225A	200A	10 KAIC	1	
CBCR2	COMPUTER ROOM 2	TMCB	208Y/120	3	600A	600A	10 KAIC	1	
CBSIM2	SIMULATOR ROOM 2	TMCB	480Y/277	3	400A	300A	25 KAIC	1	

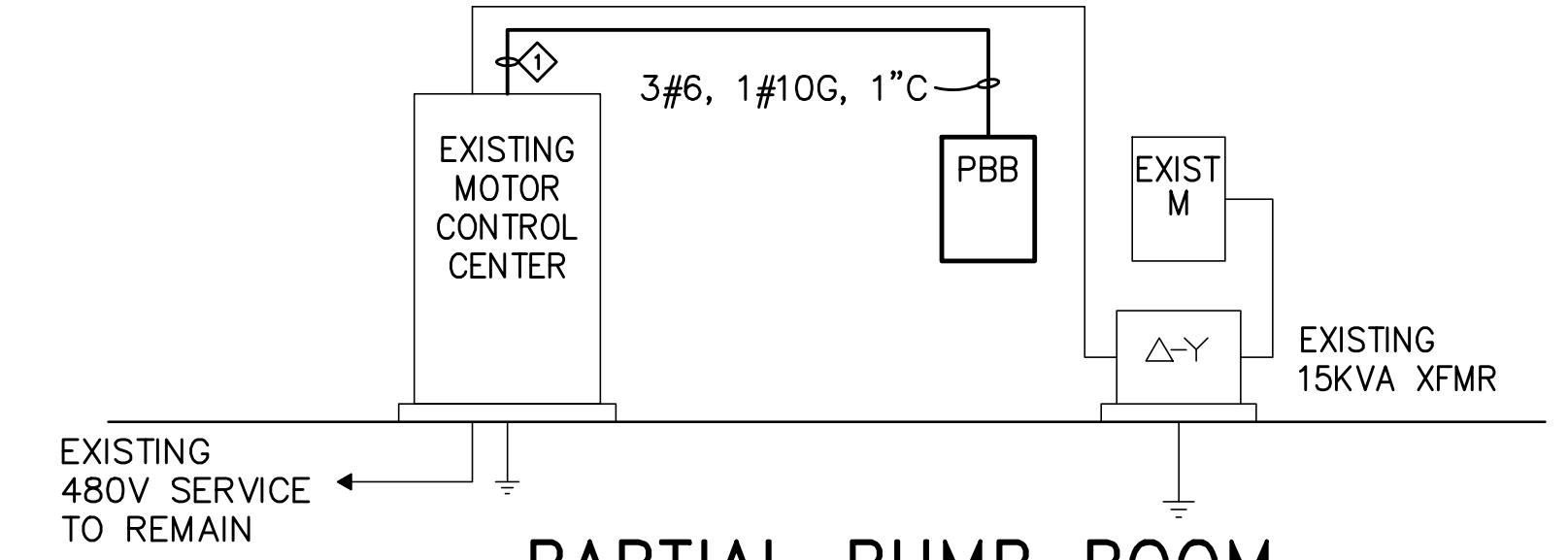
EQUIPMENT CONNECTION SCHEDULE											
SYM.	EQUIPMENT	LOAD	VOLT/PHASE	DISCONNECT				CONDUCTORS	RACEWAY TYPE	RACEWAY SIZE	NOTES
				TYPE	RATING	POLES	TRIP/FUSE				
①	AHU-1	7.5HP	208/3	BUILT INTO VFD BY DIVISION 15				3#8, 1#10G	FMC	3/4"	
②	AHU-2	7.5HP	480/3	NFDS	30A	3	---	1	3#10, 1#10G	FMC	1/2"
③	CRAC-1,2,3,4	5.2FLA	480/3	FDS	30A	3	15A	3R	3#12, 1#12G	LFMC	1/2"
④	CRAH-1,2,3,4	3.0HP, 25.0KW	480/3	NFDS	100A	3	---	1	3#4, 1#8G	FMC	1-1/4"
⑤	SAH-1,2	7.5HP	208/3	NFDS	60A	3	---	1	3#8, 1#10G	FMC	3/4"
⑥	SAH-3,4	5.0HP	208/3	NFDS	30A	3	---	1	3#10, 1#10G	FMC	1/2"
⑦	CAH-1,2	5.0HP, 10KW	480/3	NFDS	30A	3	---	1	3#10, 1#10G	FMC	1/2"
⑧	TEMPORARY A/C UNIT	2#18.6RLA, 2#2.5FLA, 36KW	480/3	NFDS	100A	3	70A	3R	3#4, 1#8G	LFMC	1-1/4"
⑨	VF-2	0.75HP	480/3	NFDS	30A	3	---	1	3#12, 1#12G	FMC	1/2"
⑩	HWP-1,2	2.0HP	480/3	BUILT INTO VARIABLE FREQUENCY DRIVE				3#12, 1#12G	FMC	1/2"	
⑪	HWP-3,4	1.05HP	480/3	BUILT INTO VARIABLE FREQUENCY DRIVE				3#12, 1#12G	FMC	1/2"	
⑫	CHWP-1,2	3.0HP	480/3	BUILT INTO VARIABLE FREQUENCY DRIVE				3#12, 1#12G	FMC	1/2"	
⑬	CHWP-3,4	5.0HP	480/3	BUILT INTO VARIABLE FREQUENCY DRIVE				3#12, 1#12G	FMC	1/2"	

**LEGEND**  
 DISCONNECT TYPES: ETGB = ELECTRONIC-TRIP CIRCUIT BREAKER, FDS = FUSIBLE DISCONNECT SWITCH, MCP = MOTOR CIRCUIT PROTECTOR, NFDS = NON-FUSIBLE DISCONNECT SWITCH, ST/DS = COMBINATION STARTER/DISCONNECT SWITCH, TMCB = THERMAL-MAGNETIC CIRCUIT BREAKER, TOG = HP RATED TOGGLE SWITCH.  
 DISCONNECT ENCLOSURE TYPES: 1 = NEMA 1 ENCLOSURE, 3R = NEMA 3R ENCLOSURE, 4 = NEMA 4 ENCLOSURE, 4X = NEMA 4X ENCLOSURE.  
 RACEWAY TYPES: EMT = ELECTRIC METALLIC TUBING, FMC = FLEXIBLE METAL CONDUIT, IMC = INTERMEDIATE METAL CONDUIT, LFMC = LIQUID-TIGHT FLEXIBLE METAL CONDUIT, PVC = NON-METALLIC PVC CONDUIT, RMC = RIGID METAL CONDUIT.  
 STARTER TYPES: CFVNR = COMBINATION FULL VOLTAGE, NONREVERSING.  
 CONTROL DEVICES: HOA = HAND-OFF-AUTO, RPL = RED PILOT LIGHT, AUX = AUXILIARY CONTACTS (2 N.O., 1 N.C.), CT50 = 50 VA CONTROL TRANSFORMER.

**NOTES**  
 ALL ELECTRICAL CHARACTERISTICS SCHEDULED ABOVE ARE BASED ON INFORMATION AVAILABLE AT THE TIME OF DESIGN. ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT WITH EQUIPMENT SUPPLIER(S) PRIOR TO ROUGHING, AND SHALL VERIFY EXACT LOCATION AND EXACT TYPE OF CONNECTION. ALL EQUIPMENT SHALL BE PROPERLY AND SECURELY GROUNDED. ANY SIGNIFICANT CHANGES IN LOCATION, ELECTRICAL REQUIREMENTS, OR TYPE OF CONNECTION REQUIRED FOR ANY EQUIPMENT SCHEDULED ABOVE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING PRIOR TO PROCEEDING.  
 CONDUCTORS AND RACEWAY SPECIFIED IN THE ABOVE SCHEDULE ARE FOR FINAL CONNECTION TO UNIT AND SHALL BE EXTENDED FROM THE DISCONNECT SHOWN ON THE FLOOR PLANS TO THE EQUIPMENT TERMINATION BOX.  
 CONDUIT AND BOXES REQUIRED FOR EQUIPMENT CONNECTIONS SHALL BE INSTALLED IN SUCH A WAY AS TO NOT COVER UP EQUIPMENT NAMEPLATES, SERVICE AREAS, AIR FLOW AREAS, ETC.  
 ◇ PROVIDE CIRCUIT BREAKER WITH SHUNT-TRIP DEVICE.

**MOUNTING HEIGHTS**

(DISTANCE FROM FINISHED FLOOR TO CENTER OF DEVICE UNLESS OTHERWISE NOTED)	
<b>RECEPTACLE</b>	18" AFF. (UNLESS OTHERWISE NOTED)
GENERAL	46" AFF. (UNLESS OTHERWISE NOTED)
ABOVE COUNTER TOP	
<b>LIGHT SWITCH</b>	46" AFF. (UNLESS OTHERWISE NOTED)
<b>TELECOMMUNICATIONS</b>	18" AFF. (UNLESS OTHERWISE NOTED)
GENERAL	46" AFF. (UNLESS OTHERWISE NOTED)
ABOVE COUNTER TOP	46" AFF.
WALL	
<b>TELEVISION</b>	18" AFF. (UNLESS OTHERWISE NOTED)

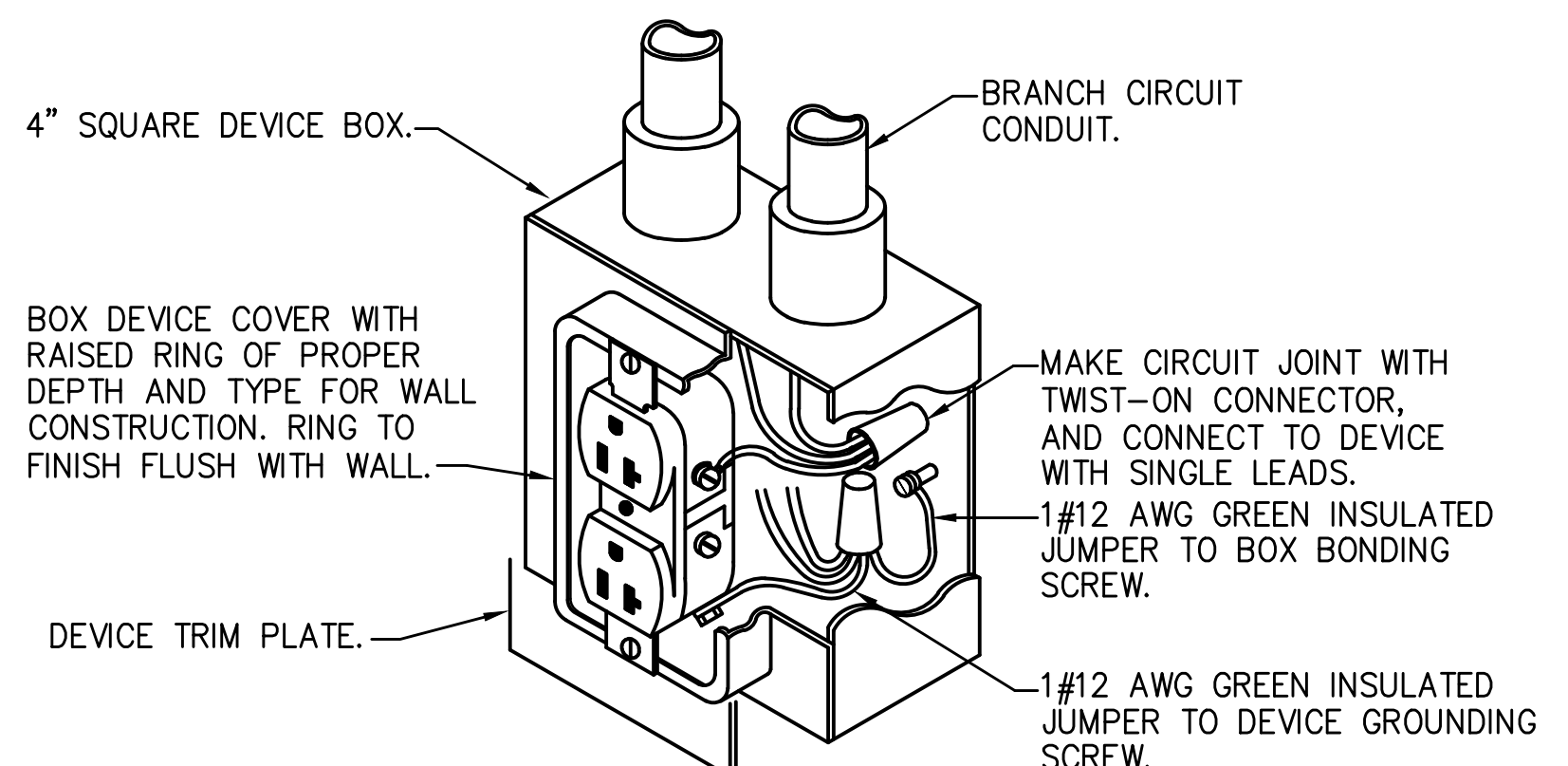
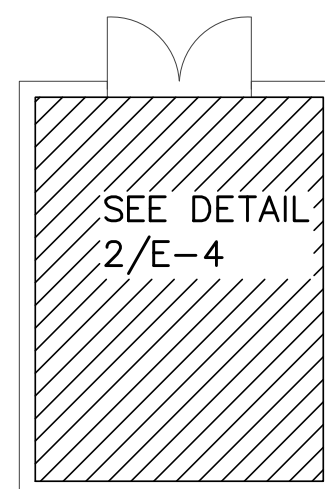


**PARTIAL PUMP ROOM POWER RISER DIAGRAM**  
NOT TO SCALE

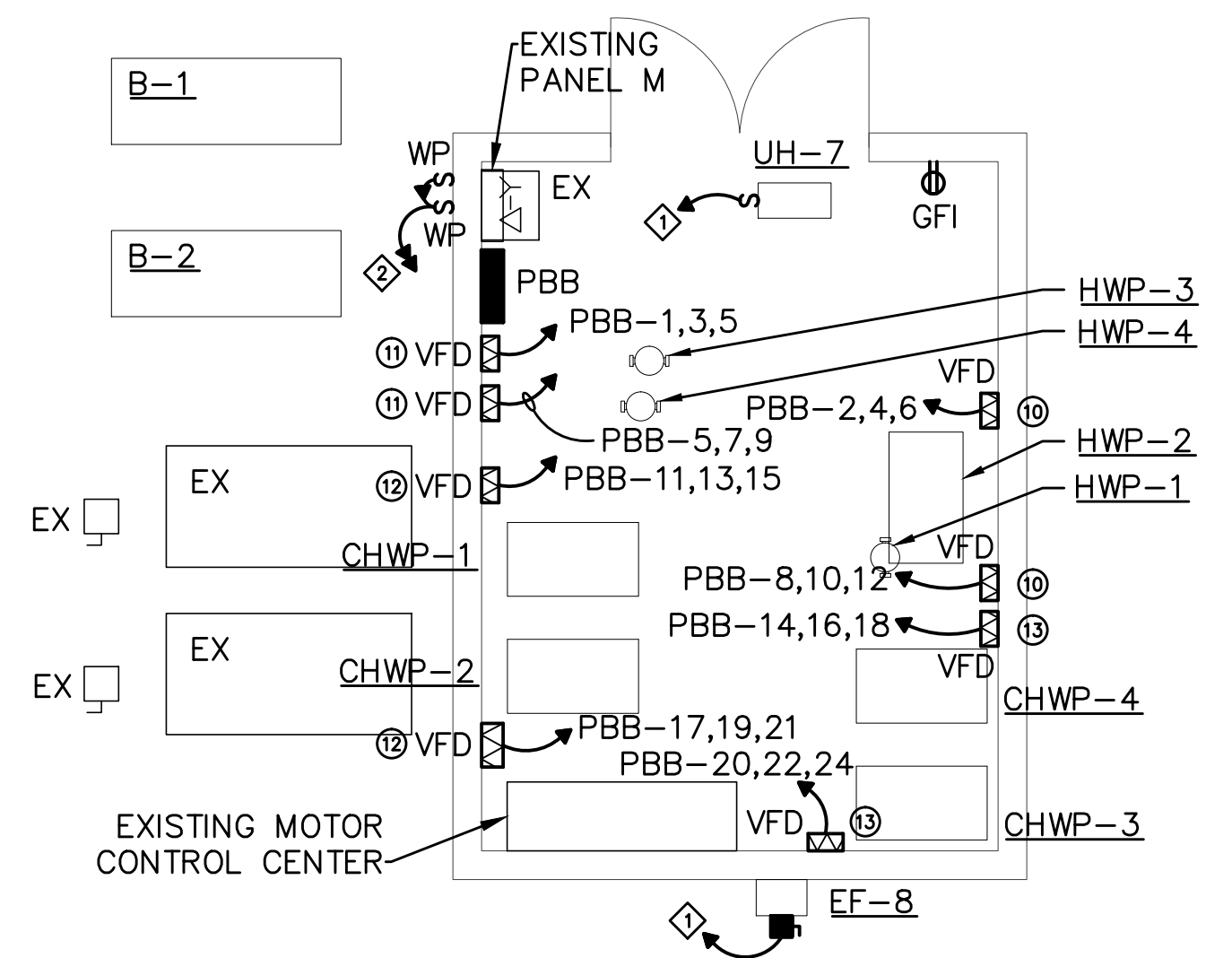
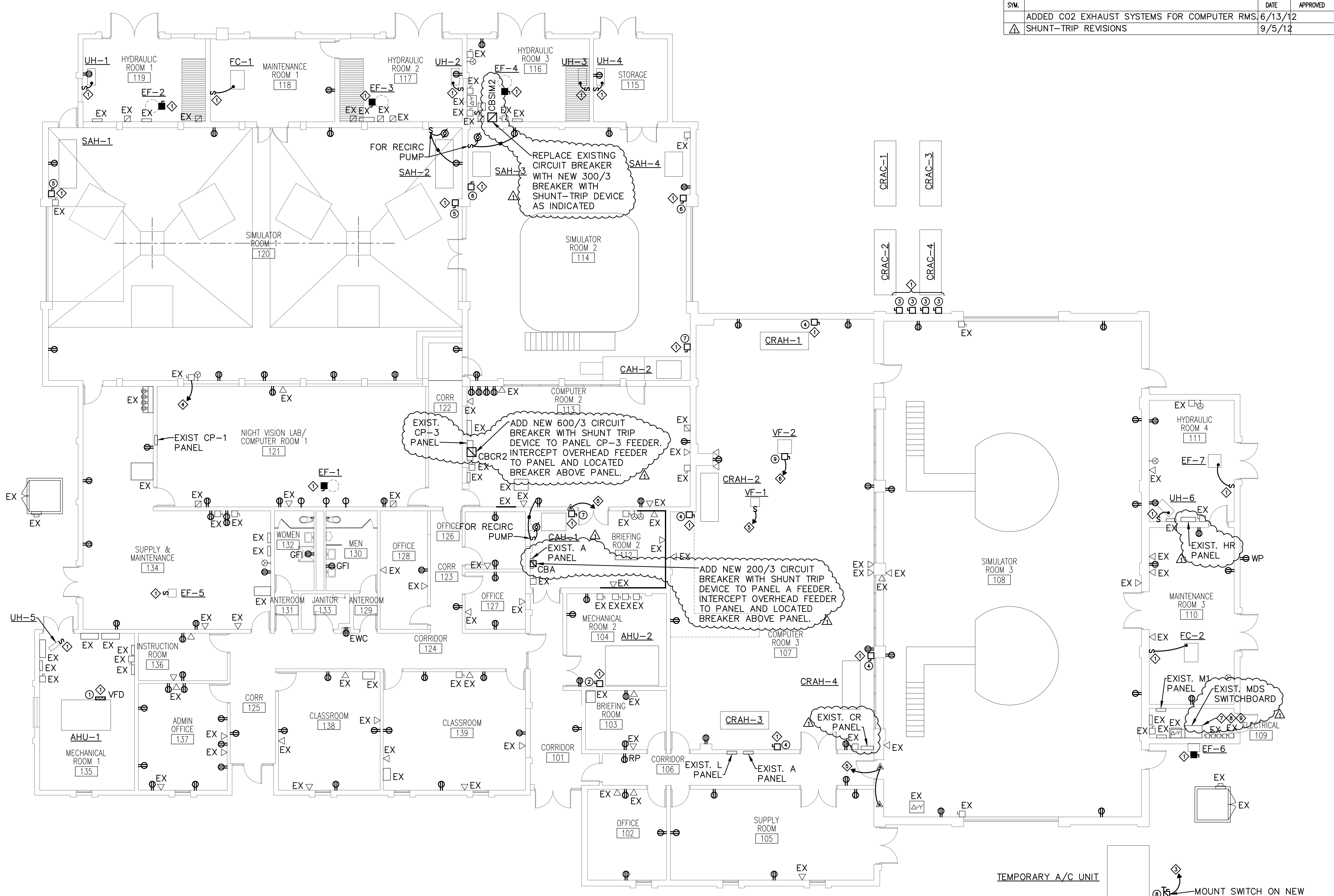
NOTES:  
 ◇ CONNECT TO NEW 60/3 CIRCUIT BREAKER IN SPACE AVAILABLE OF EXISTING MOTOR CONTROL CENTER, FEDERAL PACIFIC CLASS 5320.

SHEET TITLE: <b>SYMBOLS AND SCHEDULES</b>		<b>E-1</b>	
<b>McKNIGHT-SMITH</b> <b>WARD - GRIFFIN</b> ENGINEERS, ARCHITECTS 409 EAST MARION ST. SHELBY, NC 28150 704/977-7117		TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150	
DES. SWB DR. SWB CHK. MPA SUBMITTED BY: DESIGN DIR.		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA <b>REPAIR FLIGHT SIMULATOR FACILITY</b> BUILDING AS320, MCB, CLNC CAMP LEJEUNE, NORTH CAROLINA	
APPROVED:	DATE	SIZE	CODE IDENT. NO.
		F	80091
SATISFACTORY TO:	DATE	SCALE:	NAVAC DRAWING NO.
		NOTED	60010512
		CONST. CONTR. NO.	SHEET 30 OF 34
		N40085-11-B-0207	

REVISIONS		
SYM	DATE	APPROVED
△	6/13/12	
△	9/5/12	



**DETAIL-TYPICAL DUPLEX RECEPTACLE INSTALLATION**  
NOT TO SCALE



**2 PUMP ROOM PLAN - POWER**  
1/4"=1'-0"

- NOTES:
- 2#12, 1#12G, 1/2" C TO SPARE 20/1 CIRCUIT BREAKER OF EXISTING PANEL M, FEDERAL PACIFIC NQ.
  - 3#12, 1#12G, 1/2" C TO NEW 20/1 CIRCUIT BREAKERS IN SPACE AVAILABLE OF EXISTING PANEL M, FEDERAL PACIFIC NQ.

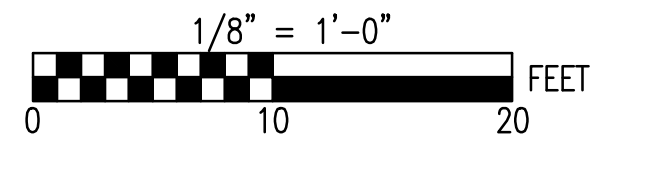
ALL RECEPTACLES SHOWN NEW ARE TO REPLACE EXISTING RECEPTACLES. ASSOCIATED WIRING SYSTEM SHALL REMAIN. REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION.

AFTER COMPLETION OF CONSTRUCTION, ALL EXISTING ELECTRICAL PANELS SHALL BE RELABELED AND PANEL DIRECTORIES SHALL BE UPDATED/CORRECTED.

**1 FLOOR PLAN - POWER**  
1/8"=1'-0"

- NOTES:
- REPLACE EXISTING DISCONNECT SWITCH AS INDICATED. CONNECT TO EXISTING CIRCUIT CURRENTLY SERVING UNIT BEING REPLACED.
  - PROVIDE 3#12, 1#12G, 1/2" C TO EXISTING BUCKET OF MOTOR CONTROL CENTER CURRENTLY SERVING PUMP. REPLACE EXISTING STARTER CURRENTLY SUPPLYING PUMP WITH NEW COMBINATION FULL VOLTAGE, NON-REVERSING NEMA "0" STARTER. FIELD VERIFY AND CHANGE MOTOR OVERLOADS AS REQUIRED BY MOTOR NAMEPLATE.
  - 3#4, 1#8G, 1-1/4" C TO NEW 70/3 CIRCUIT BREAKER IN SPACE AVAILABLE OF EXISTING PANEL M1, GE A SERIES.
  - 3#3, 1#8G, 1-1/4" C TO EXISTING CIRCUIT BREAKER CURRENTLY SERVING DISCONNECT SWITCH IN EXISTING PANEL CP-1. RUN CONDUIT UNDER EXISTING RAISED FLOOR IN COMPUTER ROOM.
  - 2#12, 1#12G, 1/2" C TO NEW 20/1 CIRCUIT BREAKER IN SPACE AVAILABLE OF EXISTING PANEL A.
  - 3#12, 1#12G, 1/2" C TO NEW 15/3 CIRCUIT BREAKER IN SPACE AVAILABLE OF EXISTING PANEL L.
  - REMOVE EXISTING 400/3 CIRCUIT BREAKER FOR PANEL HR IN EXISTING SWITCHBOARD MDS (GE AV-LINE). REPLACE WITH NEW GE SPECTRA LINE 400/3 CIRCUIT BREAKER WITH SHUNT TRIP DEVICE.

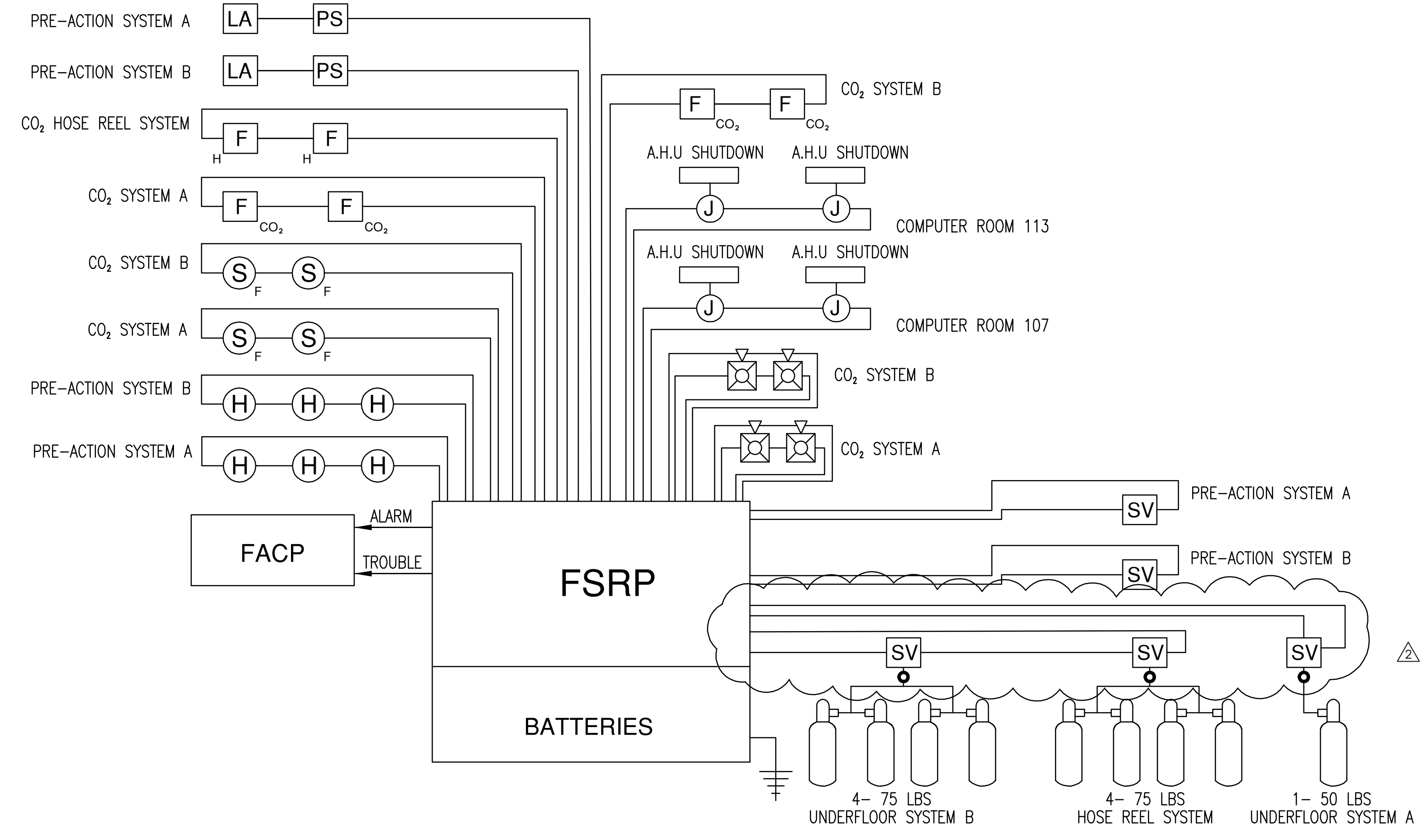
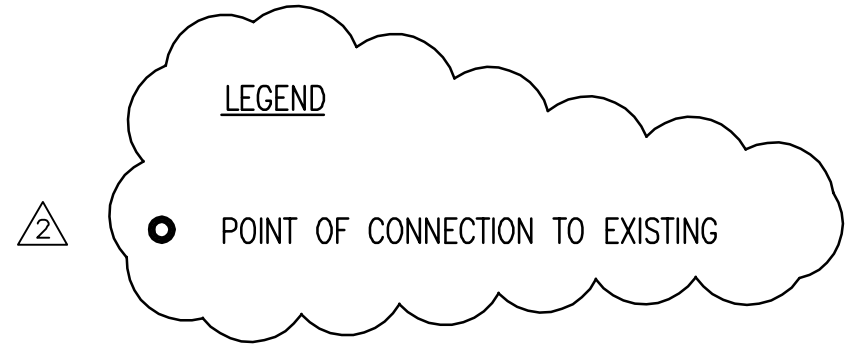
- NOTES:
- REMOVE EXISTING CIRCUIT BREAKER FOR PANEL CR VIA XFMR T1 IN EXISTING SWITCHBOARD MDS (GE AV-LINE). REPLACE WITH NEW GE SPECTRA LINE 400/3 CIRCUIT BREAKER WITH SHUNT TRIP DEVICE.
  - REMOVE EXISTING CIRCUIT BREAKER FOR PANEL A VIA XFMR T2 IN EXISTING SWITCHBOARD MDS (GE AV-LINE). REPLACE WITH NEW GE SPECTRA LINE 100/3 CIRCUIT BREAKER WITH SHUNT TRIP DEVICE.



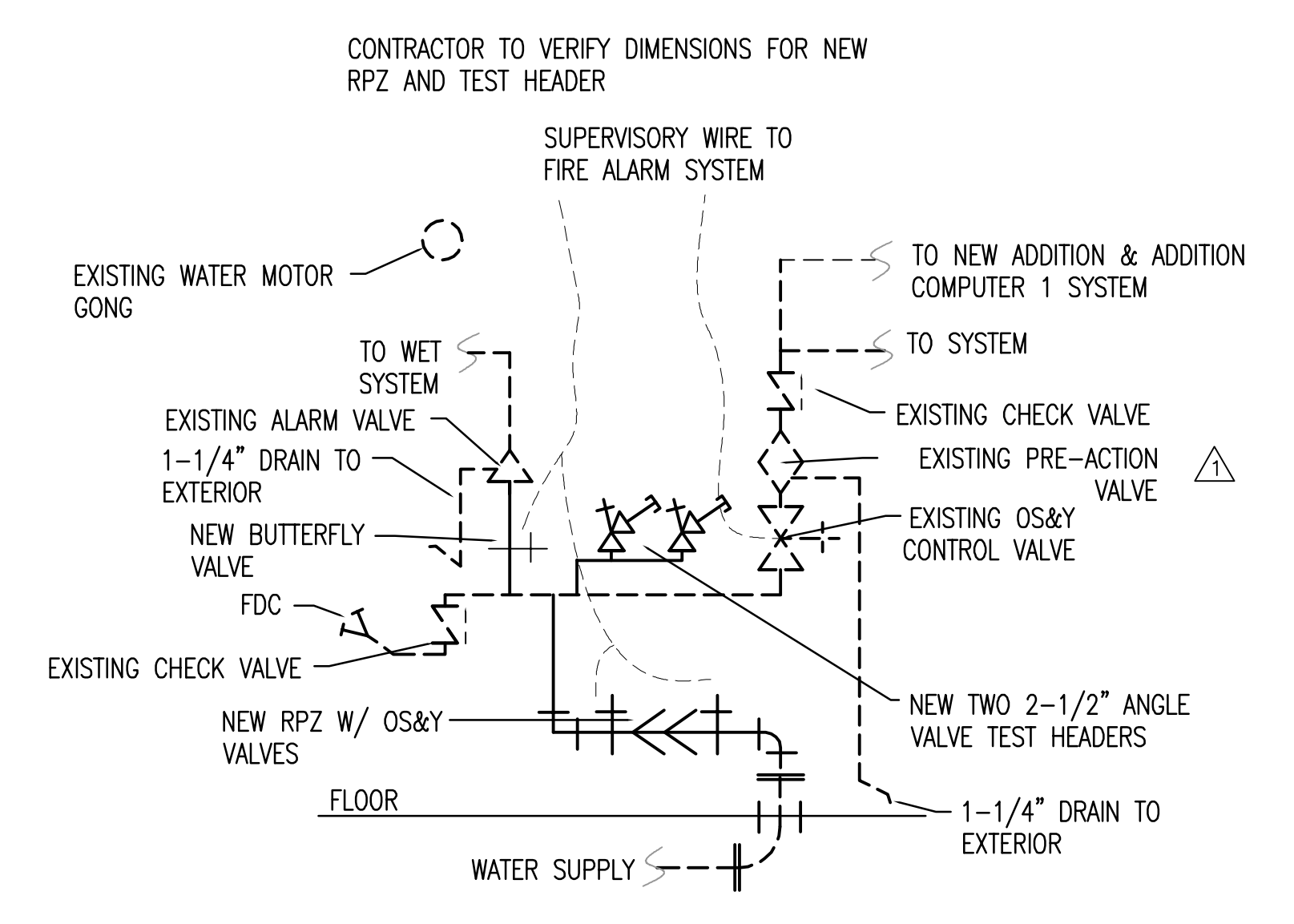
SHEET TITLE: <b>FLOOR PLAN - POWER</b>		<b>E-4</b>	
<b>McKNIGHT-SMITH</b> <b>WARD - GRIFFIN</b> ENGINEERS, INCORPORATED 409 EAST MARION ST. SHELBY, NC 28150 (704) 282-1111 FAX (704) 282-1112		TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150	
DES. SWB DR. SWB CHK. MPA SUBMITTED BY: DESIGN DR.		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA <b>REPAIR FLIGHT SIMULATOR FACILITY</b> BUILDING AS320, MCB, CLNC CAMP LEJEUNE, NORTH CAROLINA	
APPROVED:	DATE	SIZE	CODE IDENT. NO.
SATISFACTORY TO:	DATE	F	80091
NAVFAC DRAWING NO. 60010515		CONST. CONTR. NO. N40085-11-B-0207	
SCALE: NOTED		SPEC. 05-11-0207	
07-16-12		SHEET 33 OF 34	



REVISIONS		
SYM.	DATE	APPROVED
△	7-27-12	BML
△	8-29-12	JLL



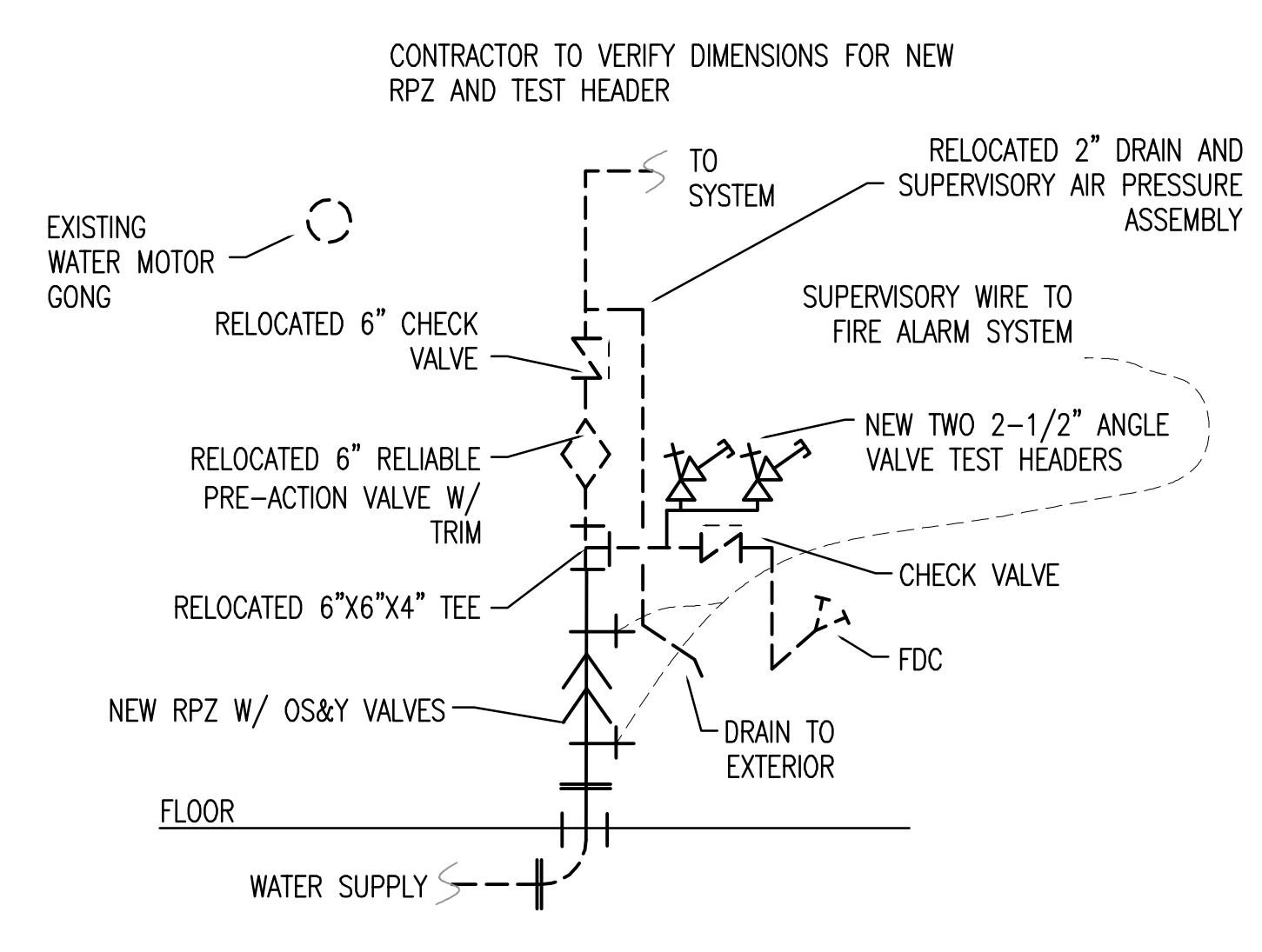
**3** NEW FIRE SUPPRESSION RELEASING PANEL  
FP-4 NTS



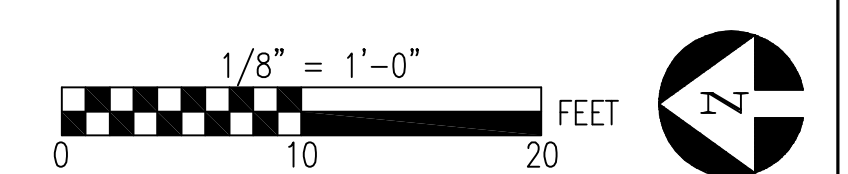
**1** NEW RISER DIAGRAM  
FP-4 NTS

System Inputs	System Outputs																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1 CO <sub>2</sub> Pull Station - System B	•	•																				
2 CO <sub>2</sub> Pull Station - System A	•	•																				
3 1 <sup>st</sup> Under Floor Smoke Det. - System B			•																			
4 2 <sup>nd</sup> Under Floor Smoke Det. - System B			•																			
5 1 <sup>st</sup> Under Floor Smoke Det. - System A			•																			
6 2 <sup>nd</sup> Under Floor Smoke Det. - System A			•																			
7 Hose Reel Manual Pull Station	•	•																				
8 Heat Detectors - Preaction System A	•	•																				
9 Heat Detectors - Preaction System B	•	•																				
10 Pressure Switch - System A	•	•																				
11 Pressure Switch - System B	•	•																				
12 Low Air - System A			•																			
13 Low Air - System B			•																			
14 Notification Appliance Circuit Short			•																			
15 AC Power Failure			•																			
16 Open Circuit			•																			
17 Ground Fault			•																			

**4** FIRE SUPPRESSION RELEASING PANEL OPERATIONAL MATRIX  
FP-4 NTS

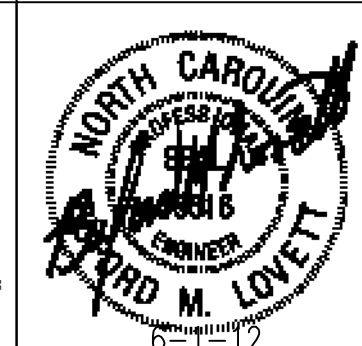


**2** NEW RISER DIAGRAM  
FP-4 NTS



BUILDING SPRINKLERED THROUGHOUT

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Mint Hill, NC 28227  
Ph. 704.545.8383 Fax 704.545.2483  
Fire Protection & Building Code Specialists  
NC Firm License No: F-0286



SHEET TITLE: <b>FIRE PROTECTION DETAILS</b>		<b>FP-4</b>	
TALLEY & SMITH ARCHITECTURE INC. P.O. BOX 518 SHELBY, NC 28151-0518 409 EAST MARION ST. SHELBY, NC 28150		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA	
DES: Jennifer Lovett DR: Inthapanya Dariphone CHK: Buford Lovett		REPAIR FLIGHT SIMULATOR FACILITY BUILDING AS320, MCB, CLNC CAMP LEJEUNE, NORTH CAROLINA	
APPROVED:	DATE:	SIZE: <b>F</b>	CODE IDENT. NO.: <b>80091</b>
SATISFACTORY TO:	DATE:	NAVFAC DRAWING NO.: <b>60010500</b>	CONSTR. CONTR. NO.: <b>N40085-11-B-0207</b>
SCALE: NOTED		SPEC: 05-11-0207	
		SHEET 18 OF 34	