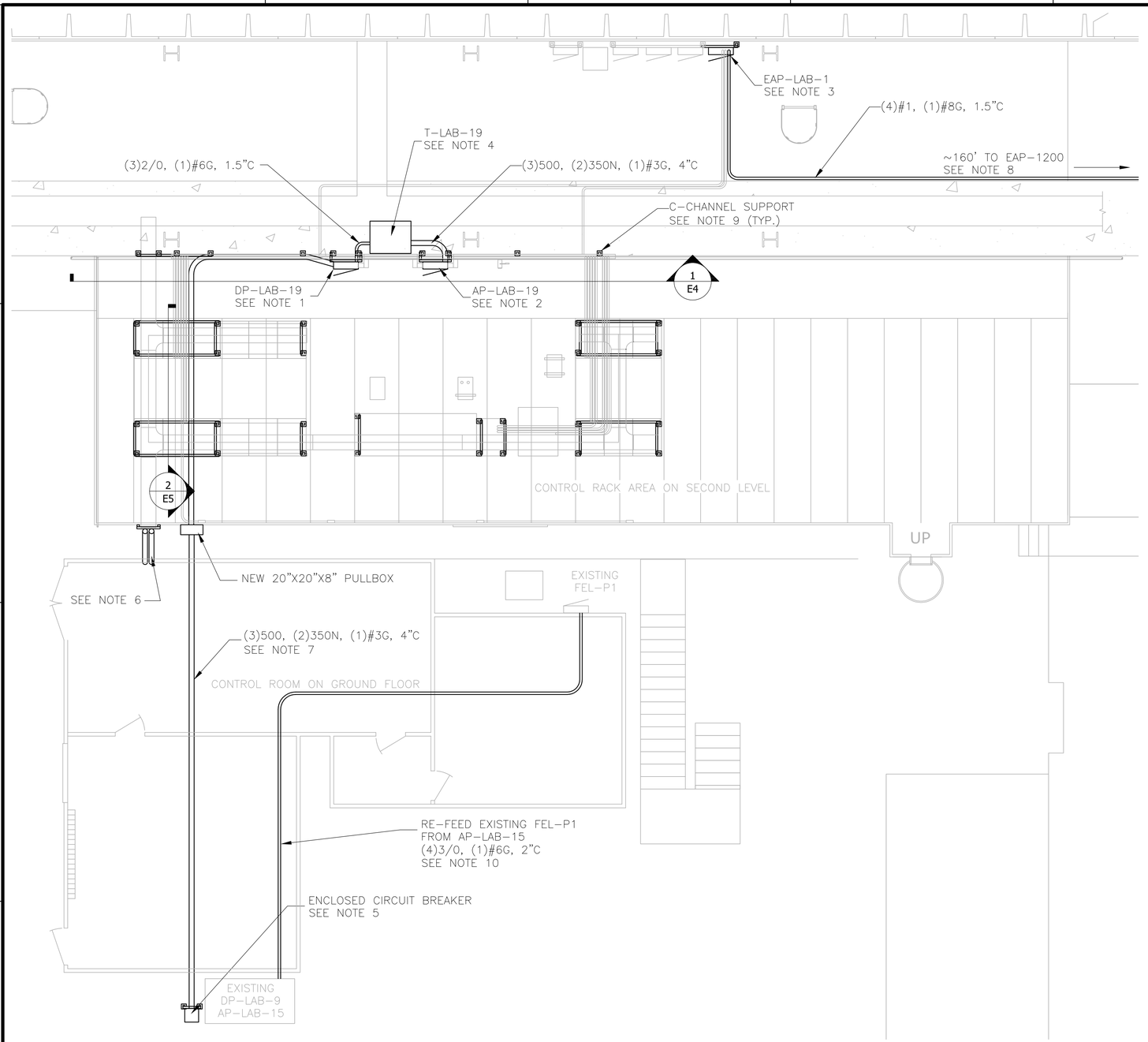


FLOOR PLAN – NEW PANEL INSTALLATION

N

NOTES:

1. INSTALL NEW 400A, 3P 480/277 PANELBOARD. SEE SHEET E8 FOR SCHEDULE.

   EATON POW-R-LINE – PRL3E
   MAIN BREAKER TYPE: KD – 35kA
   BRANCH BREAKER TYPE: EGB – 18kA
   HINGED COVER WITH 30 CIRCUITS

2. INSTALL NEW 400A, 3P 208/120 PANELBOARD. SEE SHEET E8 FOR SCHEDULE.

   EATON POW-R-LINE – PRL3E
   MAIN BREAKER TYPE: KD – 35kA
   BRANCH BREAKER TYPE: EGB – 18kA
   HINGED COVER WITH 42 CIRCUITS

3. INSTALL NEW 100A, 3P 208/120 PANELBOARD. SEE SHEET E8 FOR SCHEDULE.

   EATON POW-R-LINE – PRL1a
   MAIN BREAKER TYPE: EDB, – 22kA
   BRANCH BREAKER TYPE: QBHW, QPHW – 22kA
   HINGED COVER WITH 30 CIRCUITS

4. INSTALL NEW 150KVA 480VAC, 208V WYE/120V TRANSFORMER. GROUND TO COLUMN WITH #3 WIRE.

5. INSTALL NEW 400A, 3P 480 ENCLOSED CIRCUIT BREAKER. TAP BUS DP-LAB-9 WITH (3)500, (2)350N, (1)#3G IN 3" EMT.

   EATON BREAKER TYPE: KD – 35kA

6. INSTALL (2) 4" EMT FROM CABLE TRAY INTO CONTROL ROOM CEILING. USE SWEEPING BENDS. INSTALL BUSHINGS ON EACH END. SEE SHEET E3 FOR CABLE TRAY CONTINUATION.

7. INSTALL CONDUIT ON TOP OF THE CONTROL ROOM ROOF. WHEN TRANSITIONING ONTO CONTROL RACK AREA, CONDUIT MUST BE AT LEAST 7' ABOVE FINISHED FLOOR.

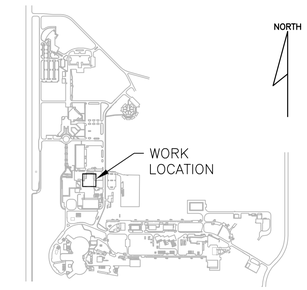
8. NEW PANEL EAP-LAB-1 TO BE FED FROM EXISTING PANEL EAP-1200.

9. INSTALL C-CHANNEL SUPPORTS WHERE REQUIRED TO SUPPORT ALL CONDUIT, CABLETRAY, AND WIREWAYS. ALL SUPPORTS, CONDUIT, CABLETRAY, AND WIREWAYS TO BE AT LEAST 7' ABOVE FINISHED FLOOR, OR OVERTOP CONTROL RACKS.

10. INSTALL CONDUIT ON TOP OF THE CONTROL ROOM ROOF. DEMOLISH EXISTING FEL-P1 FEED BACK TO ITS POINT OF ORIGIN.

0 5' 10' 15'

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



LOCATION PLAN

UITF
INJECTOR TEST FACILITY
AUTOMATION AND CONTROLS
INSTALLATION

REV	ZONE	DESCRIPTION	APPR	DATE

REVISIONS

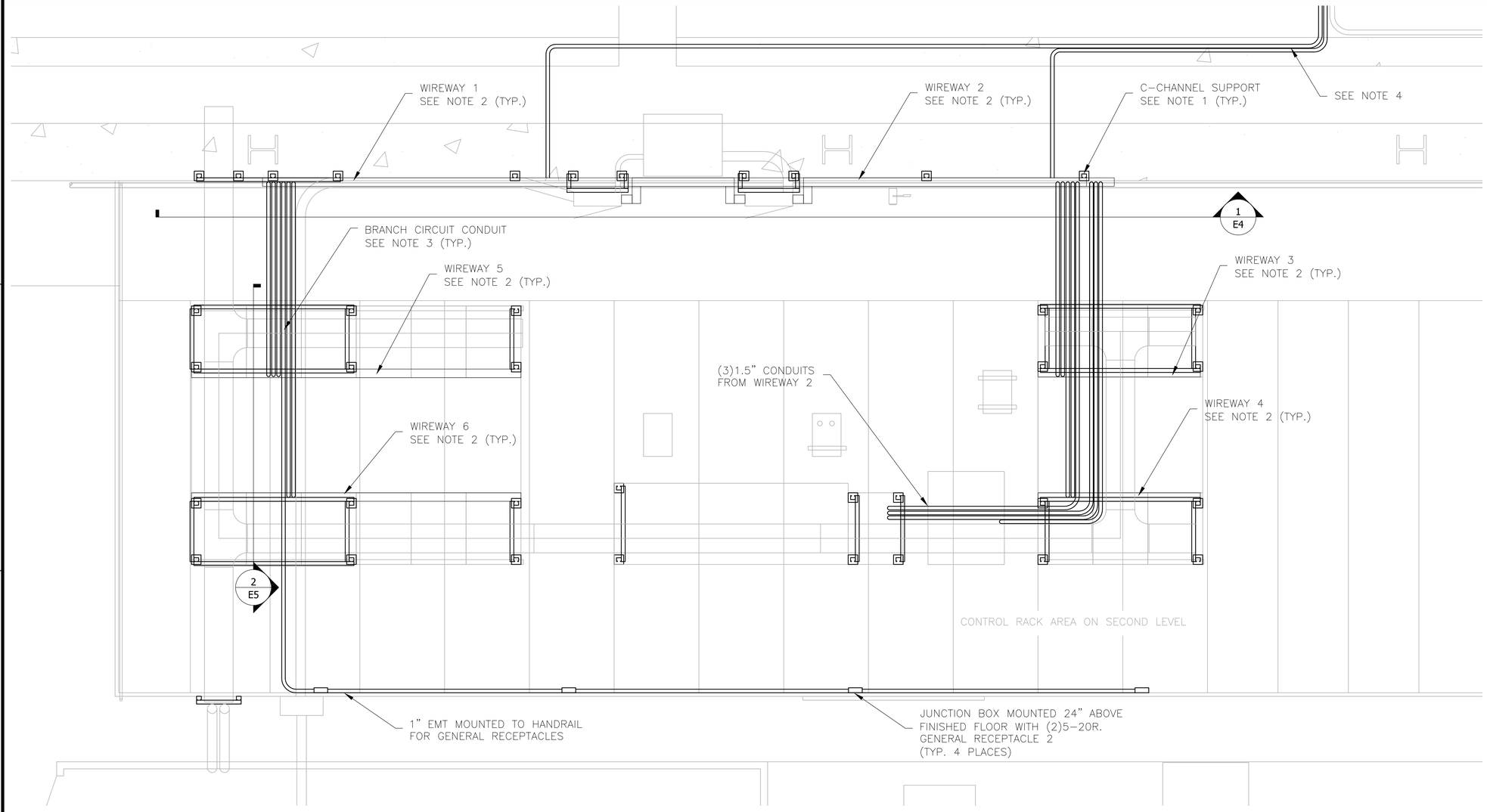
JEFFERSON LAB		ARCHITECT / ENGINEER	
USER CHECKED -	DATE -	DESIGNER J. WILLOUGHBY	DATE 25AUG15
ESH&Q CHECKED -	-	DRAWN J. WILLOUGHBY	25AUG15
SME CHECKED -	-	CHECKED -	-
FM&L APPROVED -	-	APPROVED -	-

United States Department of Energy — Newport News, VA

Jefferson Lab
Thomas Jefferson National Accelerator Facility

NEW PANEL INSTALLATION

SCALE	DRAWING NUMBER	SHEET	REV
AS NOTED	DRAWING NUMBER	E1	0



CONTROL RACK AREA– BRANCH CONDUIT INSTALLATION

N

NOTES:

1. INSTALL C-CHANNEL SUPPORTS WHERE REQUIRED TO SUPPORT ALL CONDUIT, CABLETRAY, AND WIREWAYS. ALL SUPPORTS, CONDUIT, CABLETRAY, AND WIREWAYS TO BE AT LEAST 7' ABOVE FINISHED FLOOR, OR OVERTOP CONTROL RACKS.
2. INSTALL NEW WIREWAY ON THE REAR OF EACH CONTROL RACK AND AS A PATHWAY FROM PANELS DP-LAB-19 AND AP-LAB-19.

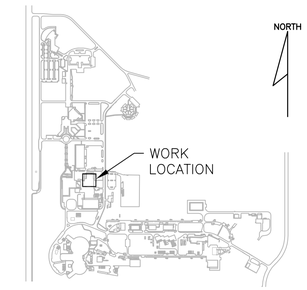
   LEGRAND WIREMOLD 6000 SERIES – GREY DIVIDER AT 3/4
3. INSTALL NEW 1.5" EMT ACCORDING TO THE CONDUIT SCHEDULE
4. INSTALL (2) 1.5" EMT FROM NEW EAP-LAB-1 PANEL TO WIREWAY 1 AND WIREWAY 2

	WIREWAY 1	WIREWAY 2
WIREWAY 3		2
WIREWAY 4		2
WIREWAY 5	3	
WIREWAY 6	2	

CONDUIT SCHEDULE

0 1' 5' 10'

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



LOCATION PLAN

UITF
INJECTOR TEST FACILITY
AUTOMATION AND CONTROLS
INSTALLATION

REV	ZONE	DESCRIPTION	APPR	DATE

REVISIONS

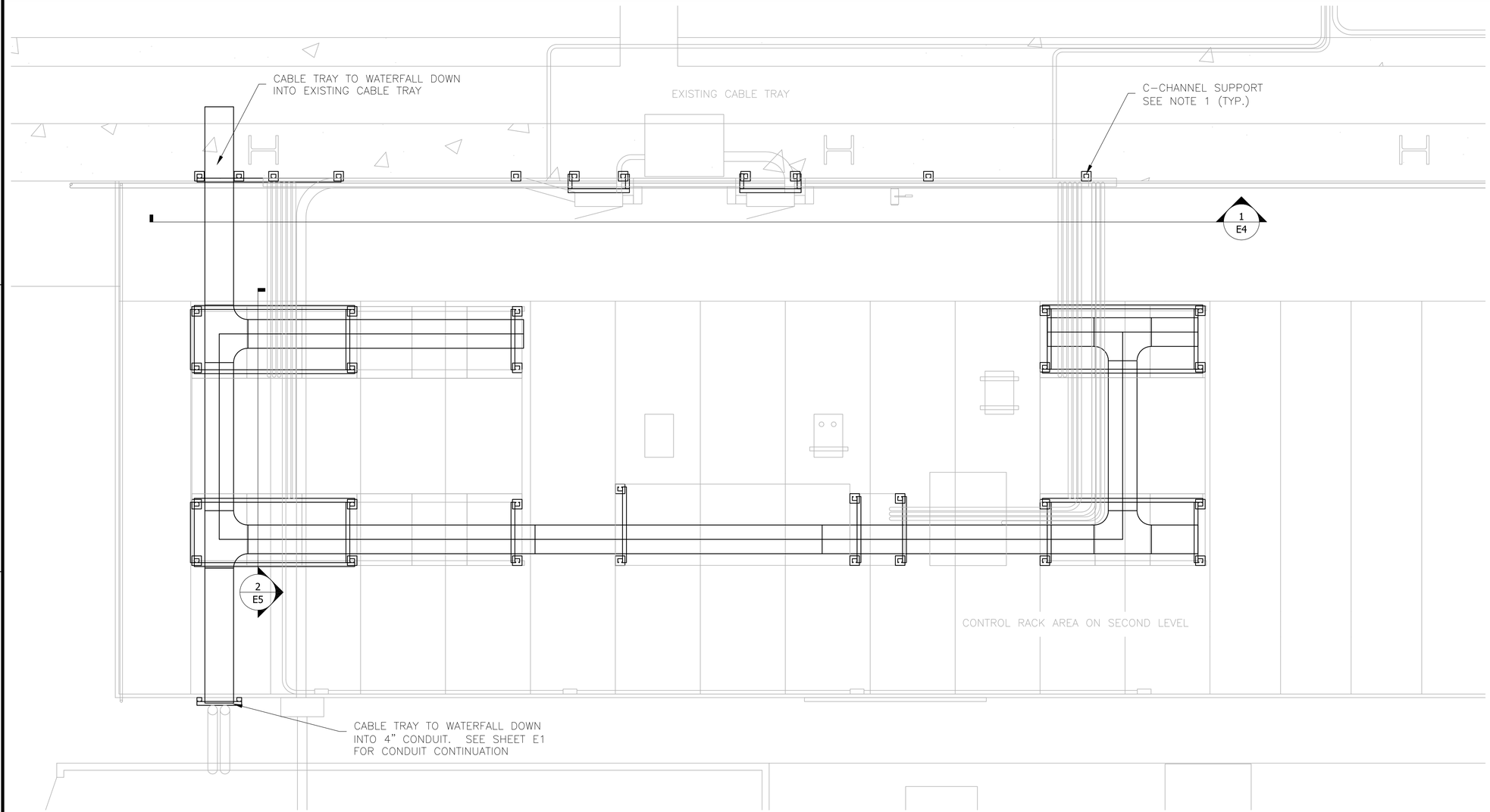
JEFFERSON LAB		ARCHITECT / ENGINEER	
USER CHECKED -	DATE -	DESIGNER J. WILLOUGHBY	DATE 25AUG15
ESH&Q CHECKED -	-	DRAWN J. WILLOUGHBY	25AUG15
SME CHECKED -	-	CHECKED -	-
FM&L APPROVED -	-	APPROVED -	-

United States Department of Energy — Newport News, VA

Jefferson Lab
Thomas Jefferson National Accelerator Facility

BRANCH CONDUIT INSTALLATION

SCALE	DRAWING NUMBER	SHEET	REV
AS NOTED	DRAWING NUMBER	E2	0



CONTROL RACK AREA– CABLE TRAY INSTALLATION

N

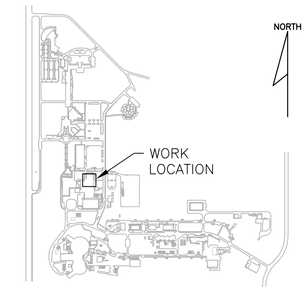
NOTES:

1. INSTALL C–CHANNEL SUPPORTS WHERE REQUIRED TO SUPPORT ALL CONDUIT, CABLETRAY, AND WIREWAYS. ALL SUPPORTS, CONDUIT, CABLETRAY, AND WIREWAYS TO BE AT LEAST 7' ABOVE FINISHED FLOOR, OR OVERTOP CONTROL RACKS.

2. CABLE TRAY TO BE 12" WIDE BY 4" DEEP WITH A DIVIDER DOWN THE CENTER. T–SECTIONS SHOULD HAVE BRIDGING TO ALLOW CABLES TO PASS OVER/UNDER CABLES IN THE DIVIDER. ALL CABLE TRAYS TO BE PROPERLY BONDED BACK TO BUILDING STEEL.

0 1' 5' 10'

SCALE: 1/2"=1'–0"



LOCATION PLAN

UITF
INJECTOR TEST FACILITY
AUTOMATION AND CONTROLS
INSTALLATION

REV	ZONE	DESCRIPTION	APPR	DATE

REVISIONS

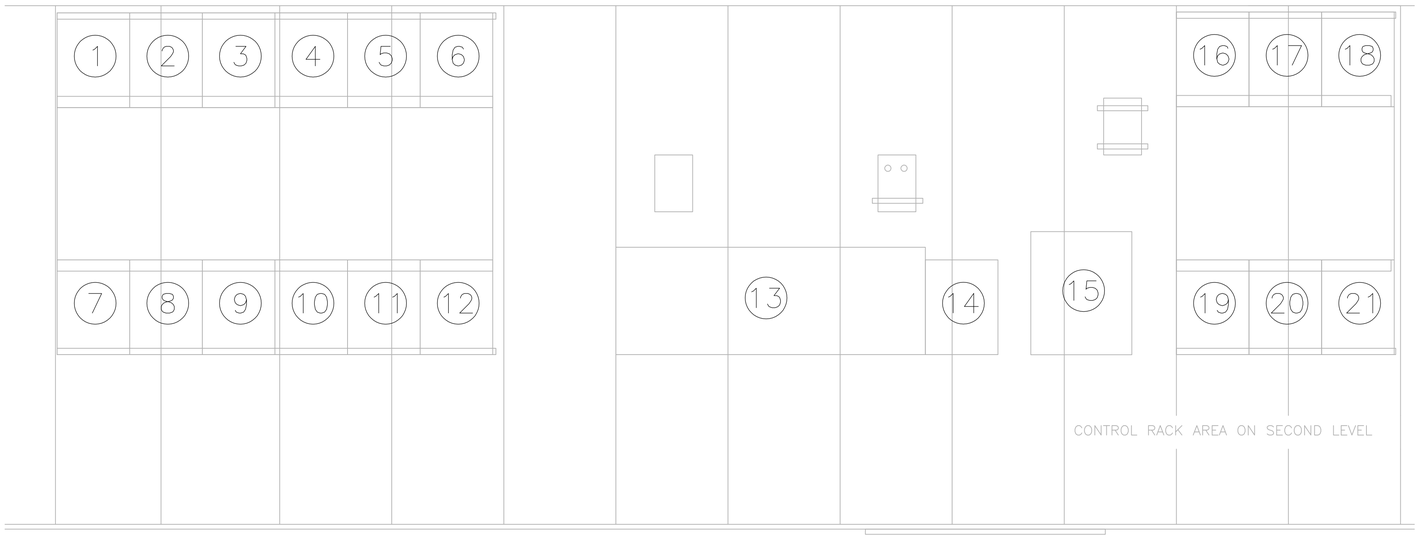
JEFFERSON LAB		ARCHITECT / ENGINEER	
USER CHECKED -	DATE -	DESIGNER J. WILLOUGHBY	DATE 25AUG15
ESH&Q CHECKED -	-	DRAWN J. WILLOUGHBY	25AUG15
SME CHECKED -	-	CHECKED -	-
FM&L APPROVED -	-	APPROVED -	-

United States Department of Energy — Newport News, VA

Jefferson Lab
Thomas Jefferson National Accelerator Facility

CABLE TRAY INSTALLATION

SCALE	DRAWING NUMBER	SHEET	REV
AS NOTED	DRAWING NUMBER	E3	0

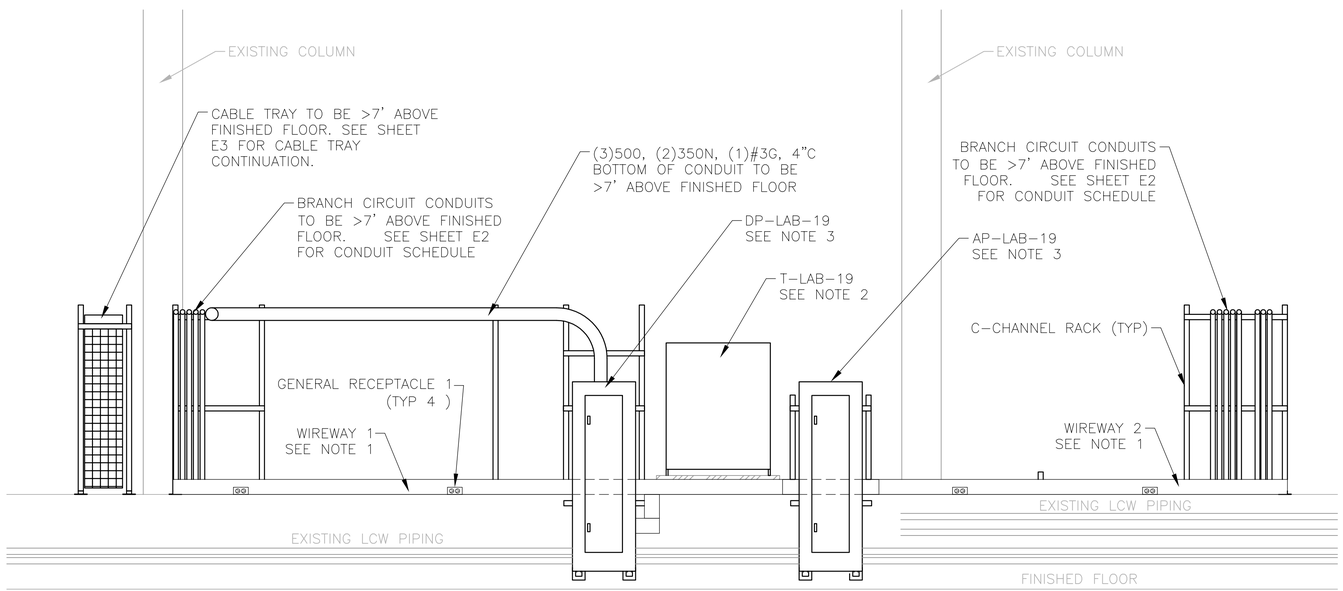


CONTROL RACK AREA– RACK DESIGNATION

N

POWER REQUIREMENTS
SEE NOTE 4

#	DESCRIPTION	POWER REQUIREMENT (VAC)
1	DIPOLE POWER SUPPLY	(1) 20A 120/1P (1) 30A 208/3P
2	DC POWER MAGNETS 1	(1) 20A 120/1P (1) 30A 208/3P
3	DC POWER MAGNETS 2	(1) 20A 120/1P (1) 30A 208/3P
4	INSTRUMENTATION & CONTROL	(1) 20A 120/1P
5	UNASSIGNED	(1) 20A 120/1P
6	CRYOGENICS	(1) 20A 120/1P – EM
7	NETWORK/COMMUNICATIONS	(1) 20A 120/1P (1) 20A 120/1P – EM
8	BPM 1	(1) 20A 120/1P
9	BPM 2	(1) 20A 120/1P
10	HARPS/VIEWERS	(1) 20A 120/1P
11	VACUUM	(1) 20A 120/1P – EM
12	INSERTABLES	(1) 20A 120/1P
13	KLYSTRON POWER SUPPLIES	
14	HIGH POWER RF	(1) 20A 120/1P (1) 30A 208/3P (1) 100A 480/3P
15	SOLID STATE AMP	(1) 25A 480/3P
16	RADCON	(1) 20A 120/1P
17	PSS 1	(1) 20A 120/1P – EM
18	PSS 2	(1) 20A 120/1P
19	NETWORK & LLRF	(1) 20A 120/1P – EM
20	CHOPPER AMPS	(1) 20A 120/1P (2) 10A 208/1P
21	GUN HV POWER SUPPLY	(1) 20A 120/1P



1 SECTION VIEW – PANEL SUPPORT

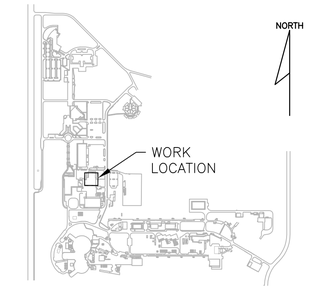
N

NOTES:

1. WIREWAY 1 AND WIREWAY 2 ARE ONE CONTINUOUS WIREWAY. WIREWAY TO PASS BEHIND PANELS DP–LAB–19 AND AP–LAB–19
2. T–LAB–19 TO BE MOUNTED ON TOP OF SUPPORTS TO ALLOW TRANSFORMER TO SIT ABOVE EXISTING CABLE TRAY AND CONDUITS. TRANSFORMER MUST SIT HIGH ENOUGH THAT WIREWAY 1 AND WIREWAY 2 PASS IN FRONT, WITHOUT IMPEDING PANEL ACCESS TO TRANSFORMER.
3. MOUNT PANEL IN FRONT OF EXISTING LCW PIPING. BOTTOM OF PANEL TO BE >6" ABOVE FINISHED FLOOR.
4. WHERE REQUIRED, HARD–WIRE EQUIPMENT PER THE NEC. "EM" DESIGNATES CIRCUIT ORIGIN BACK TO PANEL EAP–LAB–1. SEE SHEET E8 FOR SCHEDULES.

0 1' 5' 10'

SCALE: 1/2"=1'–0"



LOCATION PLAN

UITF
INJECTOR TEST FACILITY
AUTOMATION AND CONTROLS
INSTALLATION

REV	ZONE	DESCRIPTION	APPR	DATE

REVISIONS

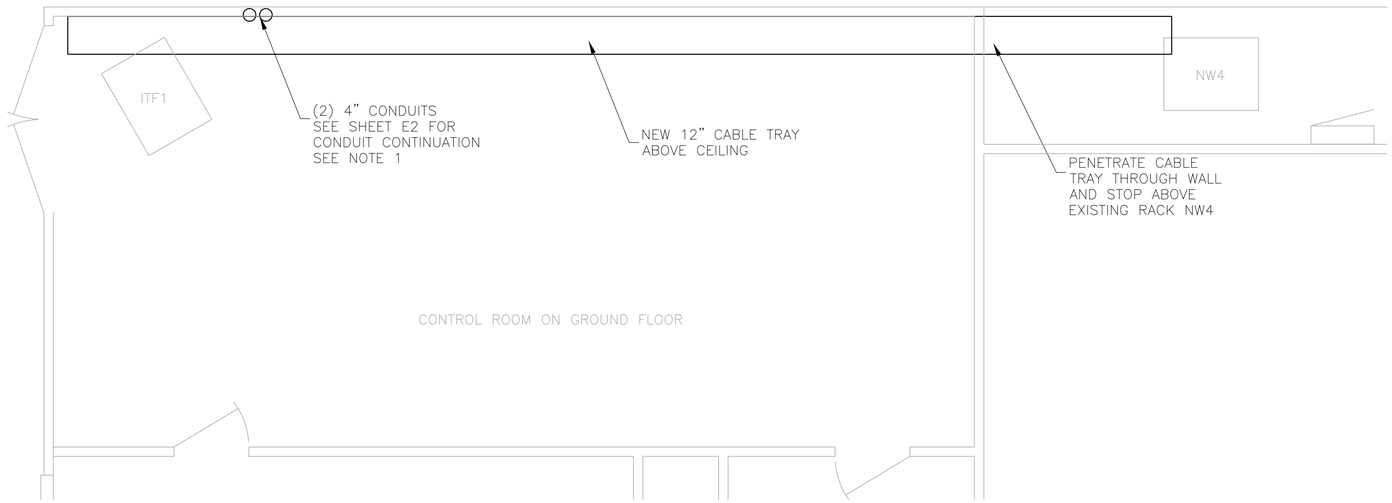
JEFFERSON LAB		ARCHITECT / ENGINEER	
USER CHECKED -	DATE -	DESIGNER J. WILLOUGHBY	DATE 25AUG15
ESH&Q CHECKED -	-	DRAWN J. WILLOUGHBY	25AUG15
SME CHECKED -	-	CHECKED -	-
FM&L APPROVED -	-	APPROVED -	-

United States Department of Energy — Newport News, VA

Jefferson Lab
Thomas Jefferson National Accelerator Facility

CONTROL RACK DESIGNATION

SCALE	DRAWING NUMBER	SHEET	REV
AS NOTED	DRAWING NUMBER	E4	0



ABOVE CEILING PLAN – CONTROL ROOM

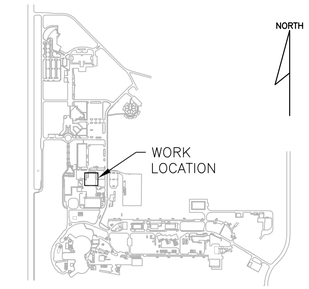
N

0 1' 5' 10'

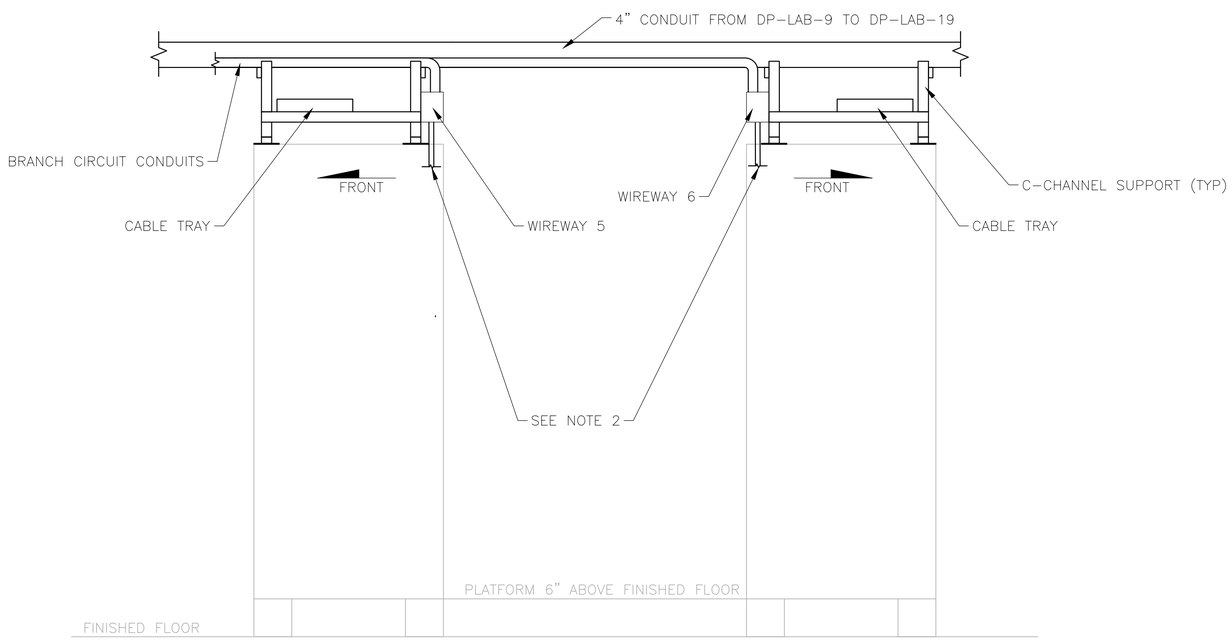
SCALE: 1/2"=1'-0"

NOTES:

1. CONDUIT TO STUB ABOVE NEW CABLE TRAY WITH BUSHINGS ON EACH END.
2. INSTALL POWER INTO RACK AS DESIGNATED ON SHEET E4. CONDUIT FROM WIREWAY TO EQUIPMENT TO BE IN ACCORDANCE WITH NEC WITH A MINIMUM CONDUIT SIZE OF 3/4". WHERE REQUIRED, HARD WIRE CIRCUIT INTO DESIGNATED EQUIPMENT PER THE NEC.



LOCATION PLAN



2 SECTION VIEW – CONTROL RACK SUPPORT

0 1' 2' 3' 4'

SCALE: 1"=1'-0"

UITF
INJECTOR TEST FACILITY
AUTOMATION AND CONTROLS
INSTALLATION

REV	ZONE	DESCRIPTION	APPR	DATE

REVISIONS

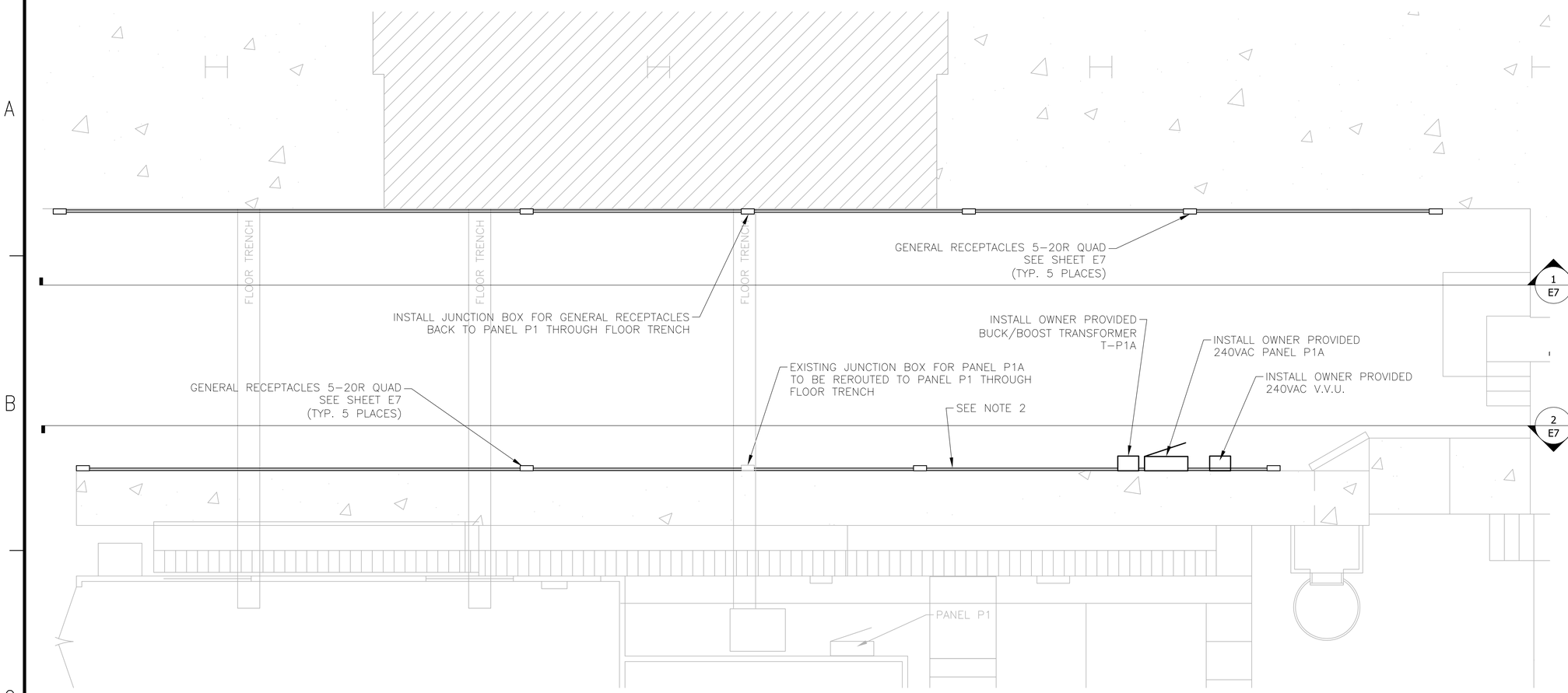
JEFFERSON LAB		ARCHITECT / ENGINEER	
USER CHECKED -	DATE -	DESIGNER J. WILLOUGHBY	DATE 25AUG15
ESH&Q CHECKED -	-	DRAWN J. WILLOUGHBY	25AUG15
SME CHECKED -	-	CHECKED -	-
FM&L APPROVED -	-	APPROVED -	-

United States Department of Energy — Newport News, VA

Jefferson Lab
Thomas Jefferson National Accelerator Facility

CONTROL ROOM & DETAILS

SCALE	DRAWING NUMBER	SHEET	REV
AS NOTED	DRAWING NUMBER	E5	0



FLOOR PLAN EXISTING- INJECTOR TEST CAVE 1

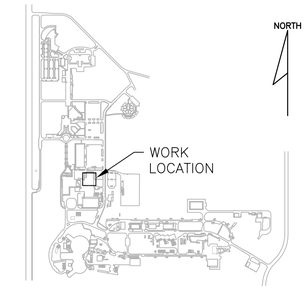
N

NOTES:

1. DEMOLISH ALL EXISTING RECEPTACLES AND CIRCUITS BACK TO THEIR POINT OF ORIGIN
2. INSTALL 1.25" EMT FROM PANEL P1 TO T-P1A. INSTALL (2)#3, (1)#8G, 1.25"C.

0 1' 5' 10'

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



LOCATION PLAN

UITF
INJECTOR TEST FACILITY
AUTOMATION AND CONTROLS
INSTALLATION

REV	ZONE	DESCRIPTION	APPR	DATE

REVISIONS

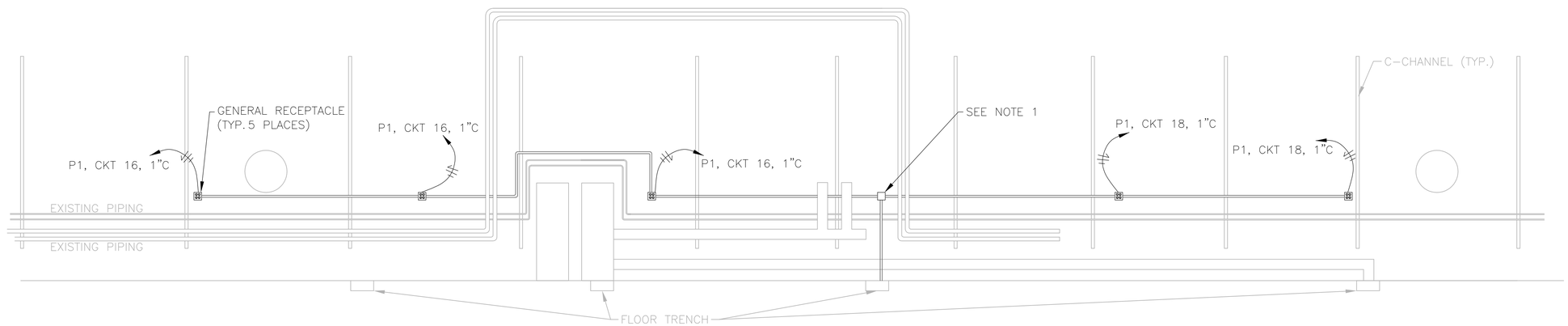
JEFFERSON LAB		ARCHITECT / ENGINEER	
USER CHECKED -	DATE -	DESIGNER J. WILLOUGHBY	DATE 25AUG15
ESH&Q CHECKED -	-	DRAWN J. WILLOUGHBY	25AUG15
SME CHECKED -	-	CHECKED -	-
FM&L APPROVED -	-	APPROVED -	-

United States Department of Energy — Newport News, VA

Jefferson Lab
Thomas Jefferson National Accelerator Facility

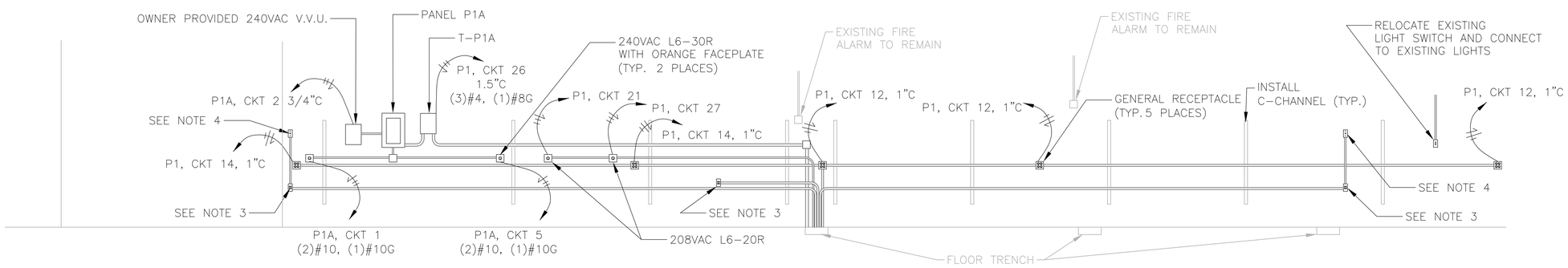
INJECTOR TEST CAVE 1

SCALE	DRAWING NUMBER	SHEET	REV
AS NOTED	DRAWING NUMBER	E6	0



1 SECTION VIEW– INJECTOR TEST CAVE 1 EAST WALL

N



2 SECTION VIEW– INJECTOR TEST CAVE 1 WEST WALL

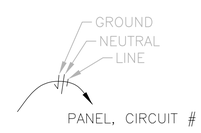
N

NOTES:

1. INSTALL 1" EMT FROM PANEL P1 TO GENERAL RECEPTACLES THROUGH THE FLOOR TRENCH
2. COORDINATE EXACT CONDUIT PLACEMENT WITH OTHER TRADES.
3. INSTALL SINGLE-GANG BOX TO HOUSE CAT6 CABLING. INSTALL 1" CONDUIT FROM BOX TO NETWORK RACK NE4 THROUGH THE FLOOR TRENCH
4. INSTALL SINGLE-GANG BOX TO HOUSE CAT6 PHONE CABLING. INSTALL 3/4" CONDUIT FROM NETWORK BOX BELOW.
5. SEE SHEET E9 FOR PANEL SCHEDULES
6. CLEAN OFF T-P1A AND P1A OF ALL EXISTING MARKINGS AND LABEL AS REQUIRED.

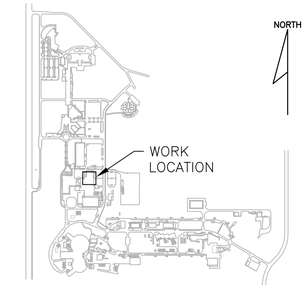
LEGEND

HOMERUN BACK TO PANEL. CONDUIT TO BE 3/4" UNLESS NOTED. WIRE TO BE #12 WITH #12G UNLESS NOTED



0 1' 5' 10'

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



LOCATION PLAN

UITF
INJECTOR TEST FACILITY
AUTOMATION AND CONTROLS
INSTALLATION

REV	ZONE	DESCRIPTION	APPR	DATE

REVISIONS

JEFFERSON LAB		ARCHITECT / ENGINEER	
USER CHECKED -	DATE -	DESIGNER J. WILLOUGHBY	DATE 25AUG15
ESH&Q CHECKED -	-	DRAWN J. WILLOUGHBY	25AUG15
SME CHECKED -	-	CHECKED -	-
FM&L APPROVED -	-	APPROVED -	-

United States Department of Energy — Newport News, VA

Jefferson Lab
Thomas Jefferson National Accelerator Facility

INJECTOR CAVE 1 SECTION VIEWS

SCALE	DRAWING NUMBER	SHEET	REV
AS NOTED	DRAWING NUMBER	E7	0

PANEL	VOLTAGE	208/120 VAC	S.N.	Y	MAIN BRKR. SIZE	400A
AP-LAB-19	PHASE	3	GND. BUS	Y	M.L.O. SIZE	
	WIRE	4	MOUNTING	SURFACE	BRKR. MIN. KAIC	35

LOAD DESCRIPTION	C.B. TRP.	CKT. NO.	PHASE A	PHASE B	PHASE C	CKT. NO.	C.B. TRP.	LOAD DESCRIPTION
DC POWER MAGNETS 1	30	3				4	30	HIGH POWER RF
DC POWER MAGNETS 2	30	9				8	20	RADCON
						10	20	PSS 2
						12	10	CHOPPER AMPS
DIPOLE POWER SUPPLY	30	13				16	10	CHOPPER AMPS
		15						
		17						
HARPS/VIEWER	20	19				20	20	GUN HV POWER
BPM 1	20	21				22	20	SPARE
BPM 2	20	23				24	20	HIGH POWER RF
INSTRUMENTATION & CONTROL	20	25				26	20	DIPOLE POWER SUPPLY
DC POWER MAGNETS 1	20	27				28	20	SPARE
NETWORK/COMMUNICATIONS	20	29				30	20	SPARE
DC POWER MAGNETS 2	20	31				32	20	SPARE
INSERTABLES	20	33				34	20	SPARE
CONTROL RACK 5	20	35				36	20	SPARE
SPARE	20	37				38	20	SPARE
SPARE	20	39				40	20	SPARE
SPARE	20	41				42	20	SPARE

NOTES:
FED FROM T-19 VIA DP-LAB-19

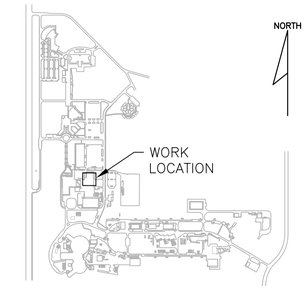
PANEL	VOLTAGE	480/277 VAC	S.N.	Y	MAIN BRKR. SIZE	400A
DP-LAB-19	PHASE	3	GND. BUS	Y	M.L.O. SIZE	
	WIRE	4	MOUNTING	SURFACE	BRKR. MIN. KAIC	35

LOAD DESCRIPTION	C.B. TRP.	CKT. NO.	PHASE A	PHASE B	PHASE C	CKT. NO.	C.B. TRP.	LOAD DESCRIPTION
SPARE	30	3				4	25	SOLID STATE AMPLIFIER
SPARE	30	9				10	100	HIGH POWER RF
SPARE	30	15				14	20	SPARE
						16	20	SPARE
						18	20	SPARE
SPARE	30	21				20	20	SPARE
						22	20	SPARE
						24	20	SPARE
SPARE	30	27				28	175	T-19 TO AP-LAB-19

NOTES:
BUS TAPPED FROM DP-LAB-9
VIA ENCLOSED CIRCUIT BREAKER

NOTES:

1. UPDATE ALL PANELBOARD SCHEDULES WITH TYPED SCHEDULE.
2. PROVIDE TYPED LABELS (BLACK LETTERS ON WHITE BACKGROUND) ON ALL EQUIPMENT, RECEPTACLES, AND DISCONNECTS. LABELS TO SHOW PANEL AND CIRCUIT NUMBER. PROVIDE PHOENOLIC LABELS FOR PANELBOARDS (WHITE LETTERS ON BLACK BACKGROUND FOR NORMAL POWER, WHITE LETTERS ON GREEN BACKGROUND FOR EMERGENCY PANELS)
3. COORDINATE ALL OUTAGES WITH SOTR. WORK ON LIVE EQUIPMENT IS NOT ALLOWED.
4. REPLACE EXISTING BREAKER(S) WITH DESIGNATED BREAKER. TURN OVER REPLACED BREAKERS TO OWNER.



LOCATION PLAN

PANEL	VOLTAGE	208/120V	S.N.		MAIN BRKR. SIZE	150A
EAP-1200	PHASE	3	GND. BUS		M.L.O. SIZE	N/A
	WIRE	4	MOUNTING		BRKR. MIN. KAIC	

LOAD DESCRIPTION	C.B. TRP.	CKT. NO.	PHASE A	PHASE B	PHASE C	CKT. NO.	C.B. TRP.	LOAD DESCRIPTION
SPARE	20	1				2	20	SPARE IN BOX ABOVE CMTF CTRL ROOM
SPARE	20	3				4	20	SPARE IN BOX ABOVE CMTF CTRL ROOM
SPARE	20	5				6	20	PSS - CMTF CTRL ROOM PSS RACK
SPARE	20	7				8	20	SPARE
SPARE	20	9				10	20	SPARE
SPARE	20	11				12	20	SPARE
SPARE	20	13				14	20	SPARE
SPARE	20	15				16	20	SPARE
SPARE	20	17				18	20	SPARE
SPARE	20	19				20	20	SPARE
SPARE	20	21				22	20	SPARE
SPARE	20	23				24	20	SPARE
EAP-LAB-1 SEE NOTE 4	100	27				28	20	SPARE
SPARE	20	33				34	20	SPARE
SPARE	20	39				40	20	SPARE

NOTES:
BLDG. #58 - OUTSIDE VTA
FED FROM ET-14 FROM EDP-610

PANEL	VOLTAGE	208/120V	S.N.		MAIN BRKR. SIZE	100A
EAP-LAB-1	PHASE	3	GND. BUS		M.L.O. SIZE	
	WIRE	4	MOUNTING		BRKR. MIN. KAIC	22

LOAD DESCRIPTION	C.B. TRP.	CKT. NO.	PHASE A	PHASE B	PHASE C	CKT. NO.	C.B. TRP.	LOAD DESCRIPTION
VACUUM	20	1				2	20	PSS 1
CRYOGENICS	20	3				4	20	NETWORK & LLRF
NETWORK/COMMUNICATIONS	20	5				6	20	SPARE
SPARE	20	7				8	20	SPARE
SPARE	20	9				10	20	SPARE
SPARE	20	11				12	20	SPARE
SPARE	20	13				14	20	SPARE
SPARE	20	15				16	20	SPARE
SPARE	20	17				18	20	SPARE
SPARE	20	19				20	20	SPARE
SPARE	20	21				22	20	SPARE
SPARE	20	23				24	20	SPARE
SPARE	20	25				26	20	SPARE
SPARE	20	27				28	20	SPARE
SPARE	20	29				30	20	SPARE

NOTES:
FED FROM EAP-1200

UITF
INJECTOR TEST FACILITY
AUTOMATION AND CONTROLS
INSTALLATION

REV	ZONE	DESCRIPTION	APPR	DATE

REVISIONS

JEFFERSON LAB		ARCHITECT / ENGINEER	
USER CHECKED -	DATE -	DESIGNER J. WILLOUGHBY	DATE 25AUG15
ESH&Q CHECKED -	-	DRAWN J. WILLOUGHBY	25AUG15
SME CHECKED -	-	CHECKED -	-
FM&L APPROVED -	-	APPROVED -	-

United States Department of Energy — Newport News, VA

Jefferson Lab
Thomas Jefferson National Accelerator Facility

PANELBOARD SCHEDULES

SCALE	DRAWING NUMBER	SHEET	REV
NONE	DRAWING NUMBER	E8	0

PANEL	VOLTAGE	240/120 VAC	S.N.	Y	MAIN BRKR. SIZE	
P1A	PHASE	1	GND. BUS	Y	M.L.O. SIZE	80A
	WIRE	4	MOUNTING	SURFACE	BRKR. MIN. KAIC	35

LOAD DESCRIPTION	C.B. TRP.	CKT. NO.	PHASE A			CKT. NO.	C.B. TRP.	LOAD DESCRIPTION
240VAC L6-30 RIGHT	30	1				2	20	V.V.U. SEE NOTE 4
240VAC L6-60 LEFT	30	5				6	20	SPACE
						6	20	SPARE
SPARE	50	9				10	20	SPACE
						12	20	SPACE

NOTES:
FED FROM T-P1A VIA P1

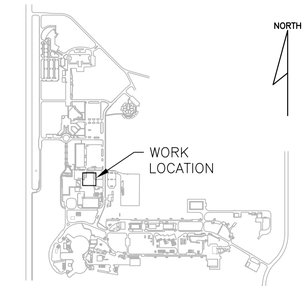
PANEL	VOLTAGE	120/208	S.N.		MAIN BRKR. SIZE	100
FEL P1	PHASE	3	GND. BUS		M.L.O. SIZE	N/A
	WIRE	4	MOUNTING		BRKR. MIN. KAIC	

LOAD DESCRIPTION	C.B. TRP.	CKT. NO.	PHASE A	B	C	CKT. NO.	C.B. TRP.	LOAD DESCRIPTION
60A DISC	60	1				2	10	AIR HANDLER
ELECTRIC HEAT	40	7				8	25	HEAT PUMP
RACK RECPT QUAD	20	11				12	20	TEST CAVE 1 RECEPTACLE SEE NOTE 4
RECEPT SMALL TEST CAVE	20	13				14	20	TEST CAVE 1 RECEPTACLE SEE NOTE 4
LIGHTS SMALL TEST CAVE	20	15				16	20	TEST CAVE 1 RECEPTACLE SEE NOTE 4
RECPT OUTSIDE WALL LASER RM	20	17				18	20	TEST CAVE 1 RECEPTACLE SEE NOTE 4
TEST CAVE 1 – WATER SKID 1 SEE NOTE 5	20	21				20	20	DISC. FOIL SKIDS
TEST CAVE 1 – WATER SKID 2 SEE NOTE 5	20	27				26	80	FEED TO PANEL P1A SEE NOTE 4
						30	10	LIGHTS

NOTES:
BLDG. #58– TEST LAB

NOTES:

1. UPDATE ALL PANELBOARD SCHEDULES WITH TYPED SCHEDULE.
2. PROVIDE TYPED LABELS (BLACK LETTERS ON WHITE BACKGROUND) ON ALL EQUIPMENT, RECEPTACLES, AND DISCONNECTS. LABELS TO SHOW PANEL AND CIRCUIT NUMBER. PROVIDE PHOENOLIC LABELS FOR PANELBOARDS (WHITE LETTERS ON BLACK BACKGROUND FOR NORMAL POWER, WHITE LETTERS ON GREEN BACKGROUND FOR EMERGENCY PANELS)
3. COORDINATE ALL OUTAGES WITH SOTR. WORK ON LIVE EQUIPMENT IS NOT ALLOWED.
4. REPLACE EXISTING BREAKER(S) WITH DESIGNATED BREAKER. TURN OVER REPLACED BREAKERS TO OWNER.
5. REPLACE EXISTING BREAKER(S) WITH DESIGNATED BREAKERS. ACTIVE CIRCUITS CURRENTLY EXISTING MUST BE RE-FED FROM PANEL AP-LAB-15



LOCATION PLAN

UITF
INJECTOR TEST FACILITY
AUTOMATION AND CONTROLS
INSTALLATION

REV	ZONE	DESCRIPTION	APPR	DATE

REVISIONS

JEFFERSON LAB		ARCHITECT / ENGINEER	
USER CHECKED -	DATE -	DESIGNER J. WILLOUGHBY	DATE 25AUG15
ESH&Q CHECKED -	-	DRAWN J. WILLOUGHBY	25AUG15
SME CHECKED -	-	CHECKED -	-
FM&L APPROVED -	-	APPROVED -	-

United States Department of Energy — Newport News, VA

Jefferson Lab
Thomas Jefferson National Accelerator Facility

PANELBOARD SCHEDULES

SCALE	DRAWING NUMBER	SHEET	REV
NONE	DRAWING NUMBER	E9	0