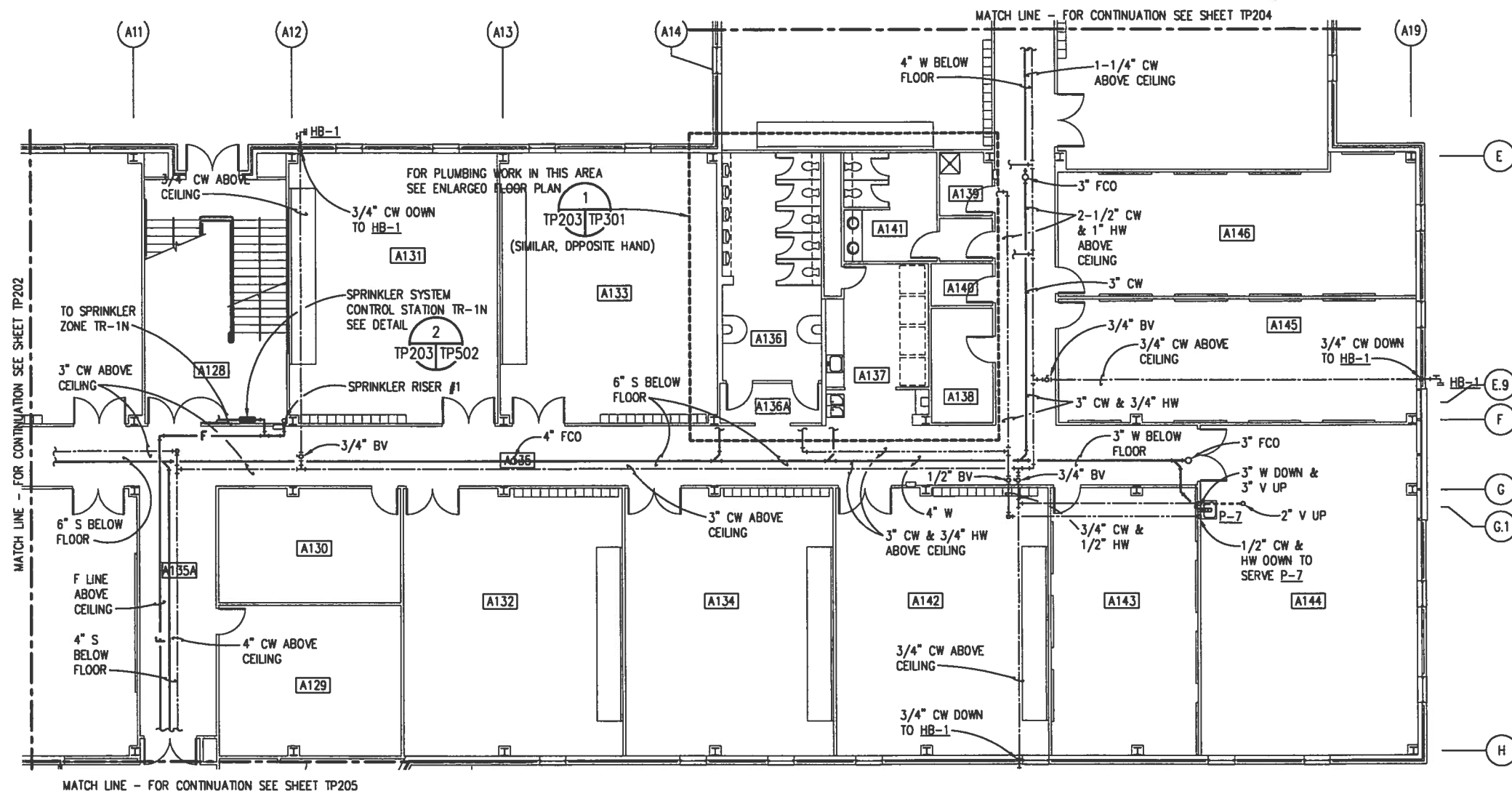
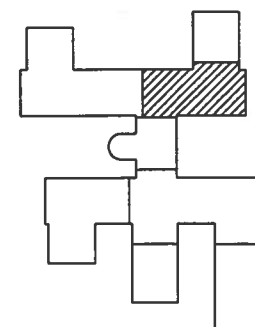


9512TP02/NPI (AREA\_B)



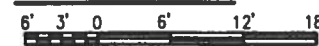
# FIRST DECK PLAN - AREA B - PLUMBING

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



GRAPHIC SCALE

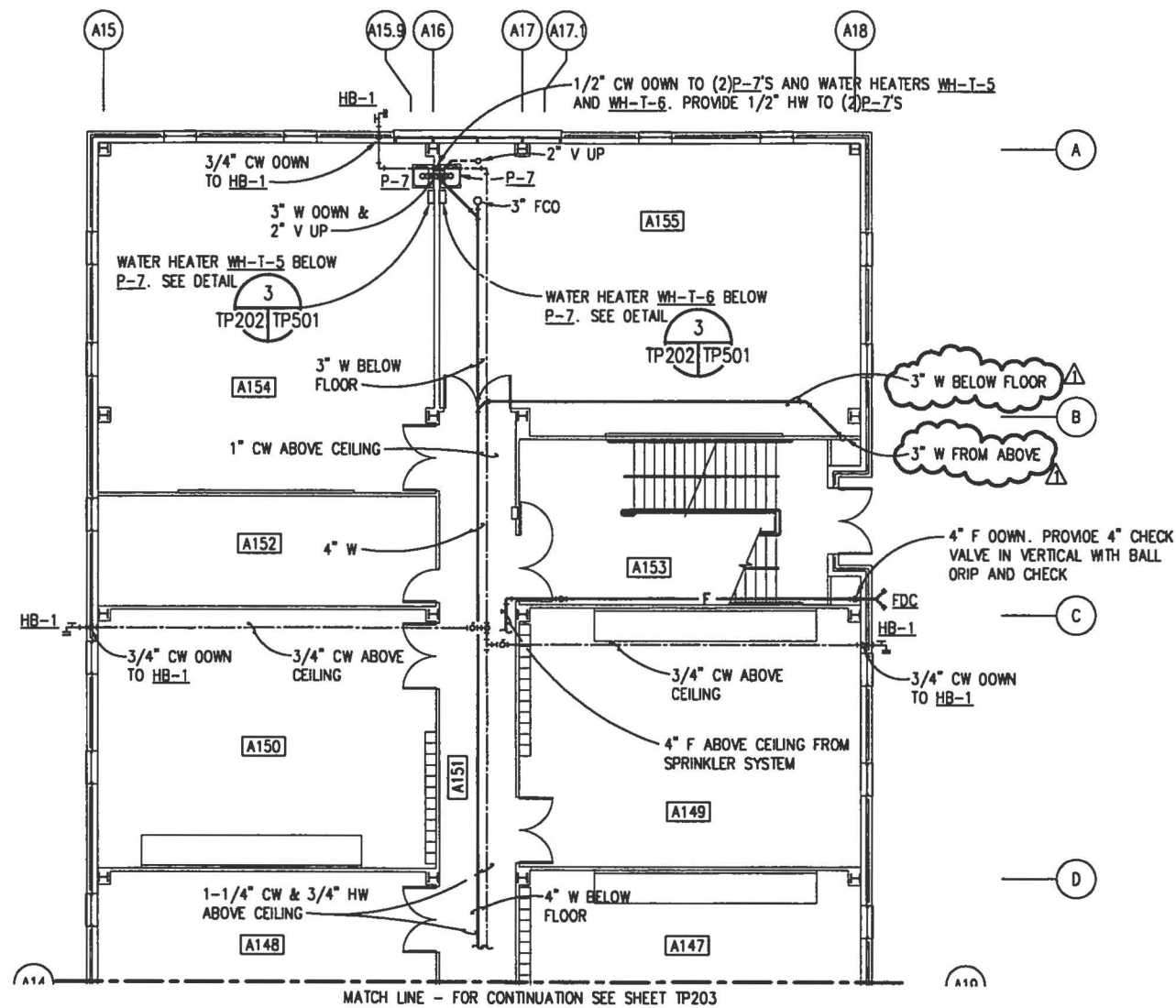
1/8" = 1'-0"



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

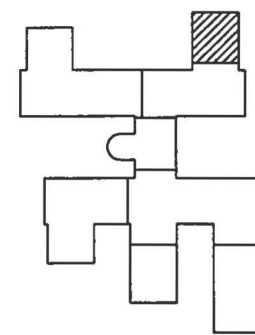
TRAINING FACILITY

REV.	DESCRIPTION	PREP BY	DATE	APPROV
1	CHARLESTON, S.C.			
2	NNPTC TRAINING COMPLEX			
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# FIRST DECK PLAN - AREA C - PLUMBING

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



GRAPHIC SCALE

1/8" = 1'-0"

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

THIS AREA SHALL BE PART OF SPRINKLER ZONE TR-1N

REV.	DESCRIPTION	PREP BY	DATE	APPROV
A	GENERAL REVISIONS	W. VAN WAGENEN	7/26/95	ERH
DEPARTMENT OF THE NAVY SOUTHERN DIVISION CHARLESTON, S.C. NAVAL WEAPONS STATION NNPTC TRAINING COMPLEX				
DESIGNER: KCB Architects, Inc. 300 North Main Street Jacksonville, Florida 32202 DATE: 11/17/94 DRAWN BY: LARBS CHECKED BY: LARBS PARTNER: 21 MAY 1995				
SEAL AREA CERTIFICATE No. 1770 STATE OF SOUTH CAROLINA REGISTERED ENGINEER RECORD DRAINING DATE: CODE LD NO. DRAWING SIZE: SPEC. NO. 06-95 CONSTRUCTION NO. N62467-95-C NAVFAC DRAWING NO. 532123 SHEET 357 OF				
TP2C				





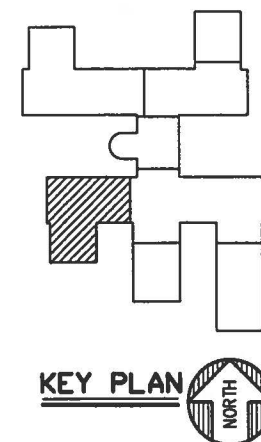
6' 3' 0 6' 12' 1

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C.		REV. DESCRIPTION GENERAL REVISIONS W. VAN WAGENEN 7/26/96 C.A.771		PREP BY DATE W. VAN WAGENEN 7/26/96 C.A.771		APPROVD [Signature]		RECORD OF RECORD [Signature]	
SEAL AREA 		NAVAL WEAPONS STATION CHARLESTON, S.C.		[Signature]		[Signature]		[Signature]	
RECORD DRAWING DATE		DRAWING SIZE:		SPEC. NO. 06-95-		CONSTRUCTION CONTR. NO.		NAVFAC DRAWING NO.	
SHEET 358 OF		532123		06-95-		06-95-		06-95-	
TP2C		532123		06-95-		06-95-		06-95-	



THIS AREA SHALL BE PART  
OF SPRINKLER ZONE TR-1S

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

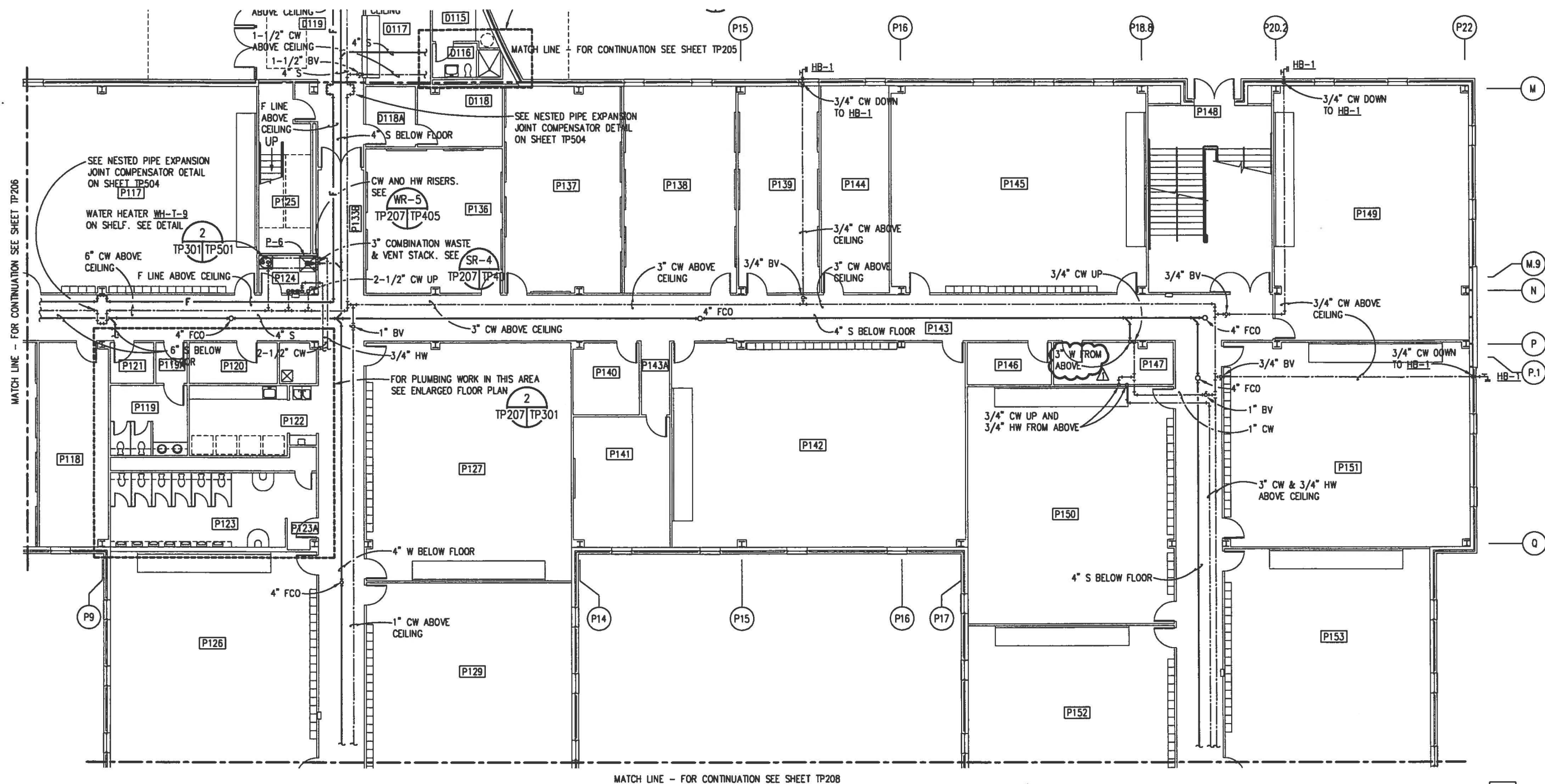


## KEY PLAN

### GRAPHIC SCALE



## TRAINING FACILITY

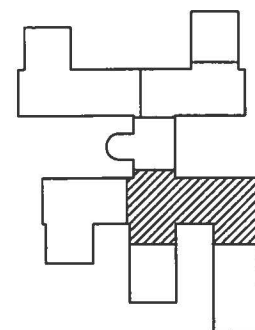


# **FIRST DECK PLAN - AREA F - PLUMBING**

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



THIS AREA SHALL BE PART OF SPRINKLER ZONE TR-15



KEY PLAN



GRAPHIC SCALE

1/8" = 1'-0" 6' 3' 0' 6' 12' 18'

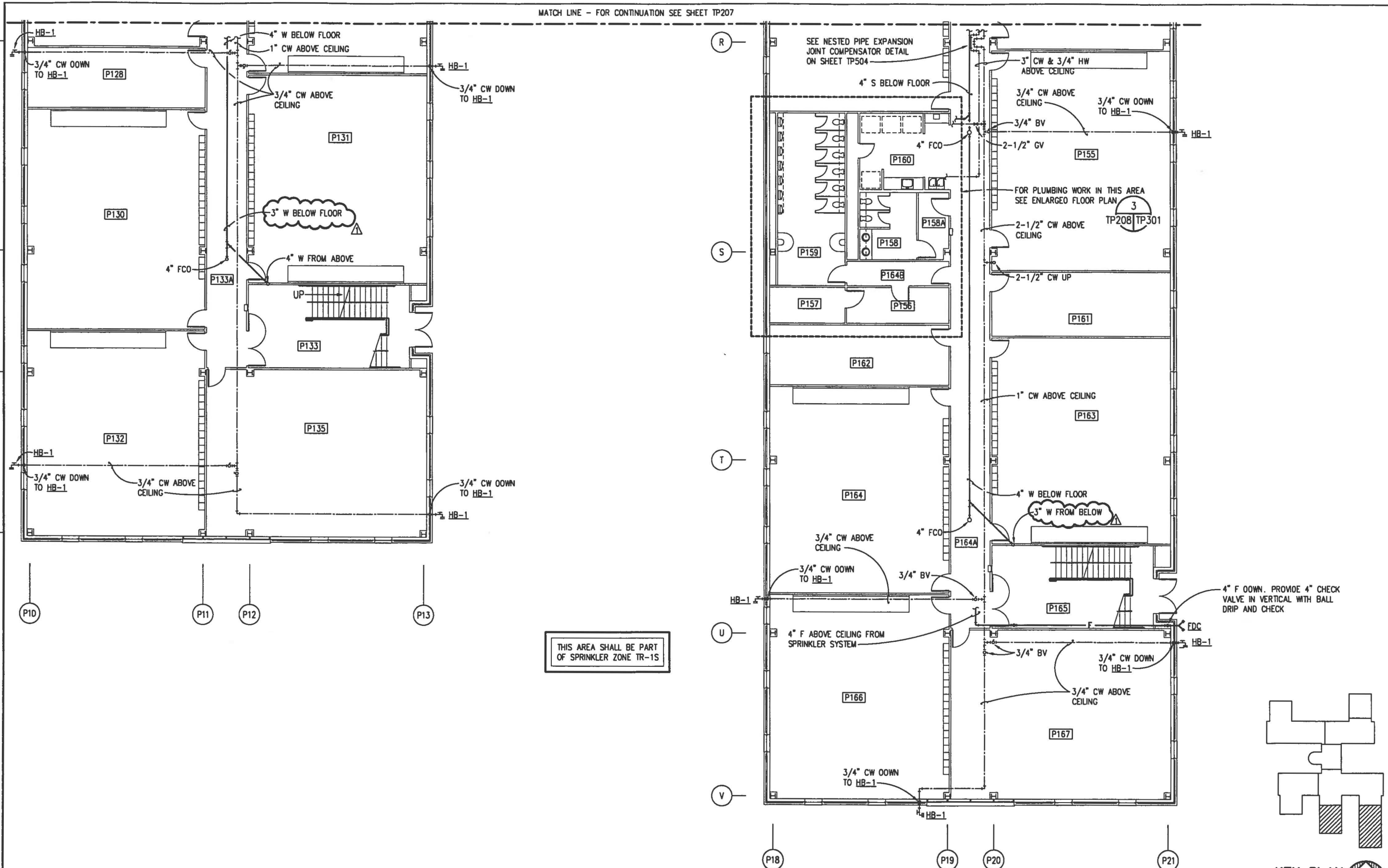
IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REV.	DESCRIPTION	PREP BY	DATE	APPROV
1	GENERAL REVISIONS	W. VAN WAGEN	7/25/95	CAW
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9512TP02/NPI (AREA\_G)

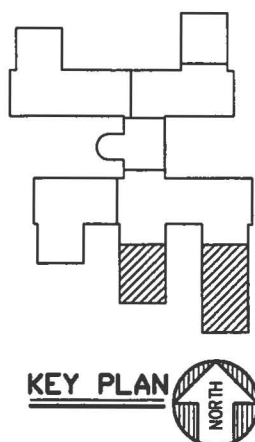
MATCH LINE - FOR CONTINUATION SEE SHEET TP207



# FIRST DECK PLAN - AREA G - PLUMBING

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

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



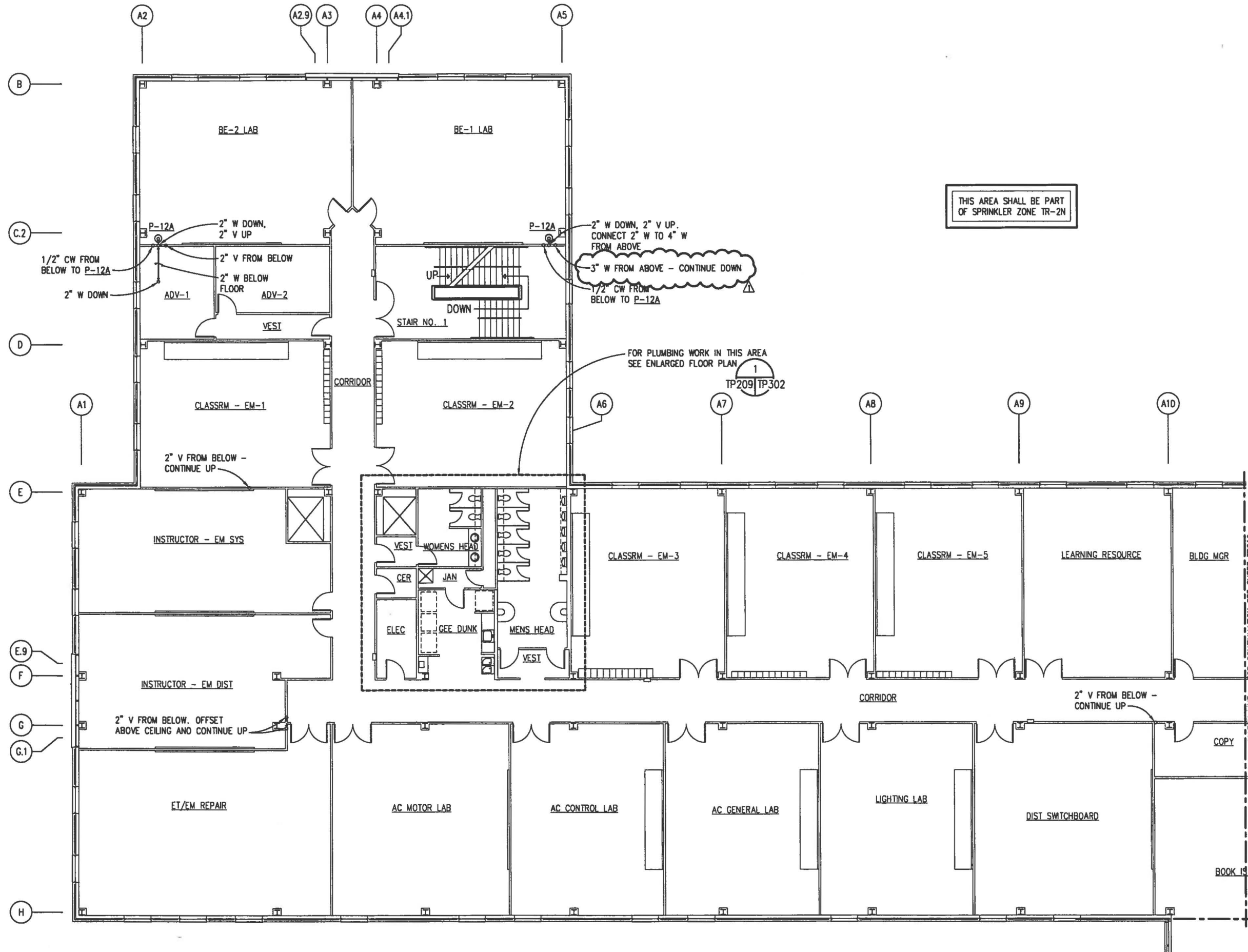
GRAPHIC SCALE

1/8" = 1'-0"

TRAINING FACILITY

REVISIONS	DESCRIPTION	DATE	APPROVED
1	GENERAL REVISIONS	7/26/96	W. VAN WAGEN
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9512TP03/NP2 (AREA A)

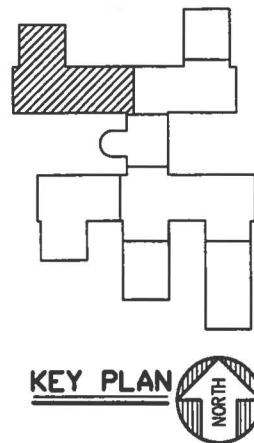


THIS AREA SHALL BE PART  
OF SPRINKLER ZONE TR-2N

FOR PLUMBING WORK IN THIS AREA  
SEE ENLARGED FLOOR PLAN

1  
TP209 TP302

MATCH LINE - FOR CONTINUATION SEE SHEET TP210



**SECOND DECK PLAN - AREA A - PLUMBING**  
SCALE: 1/8"=1'-0"



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REV.	DESCRIPTION	PREP BY	DATE	APPROV
1	GENERAL REVISIONS	W. VAN WAGEN	7/26/96	LAAB

NAVAL WEAPONS STATION  
NNPTC TRAINING COMPLEX  
CHARLESTON, S.C.

DEPARTMENT OF THE NAVY  
SOUTHERN DIVISION  
CHARLESTON, S.C.

RECORD DRAWING DATE

CODE LD NO.

DRAWING SIZE

SPEC. NO. 06-95-

CONSTRUCTION CONTR. NO. N62467-95-C

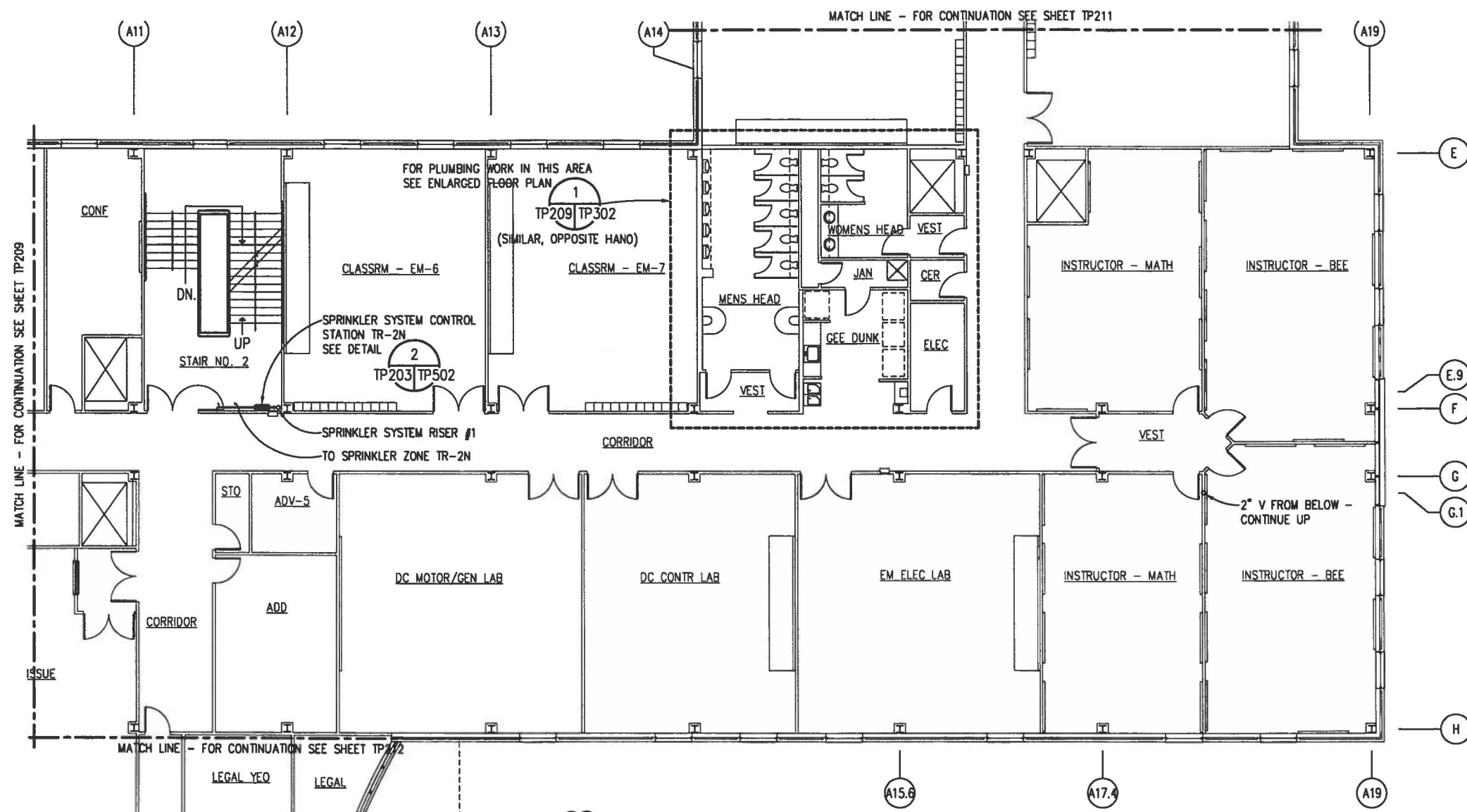
NAVAC DRAWING NO. 532123

SHEET 362 OF

TP2C

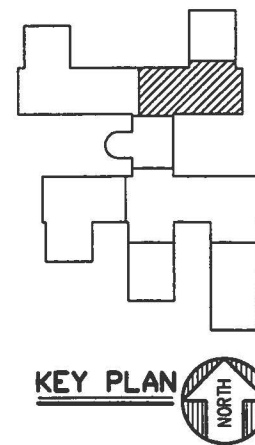


9512TP03/NP2 (AREA B)



## SECOND DECK PLAN - AREA B - PLUMBING

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



KEY PLAN

GRAPHIC SCALE

1/8" = 1'-0" 6' 3' 0 6' 12' 18'

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

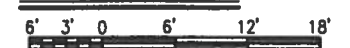
TRAINING FACILITY

REVISIONS	REV.	DESCRIPTION	PREP BY	DATE	APPROV
1					
SOUTHERN DIVISION CHARLESTON, S.C.					
NAVAL WEAPONS STATION NNPTC TRAINING COMPLEX					
RECORD DRAWING DATE					
CODE LD NO.					
DRAWING SIZE:					
SPEC. NO. 06-95-					
CONSTRUCTION CONTR. NO.					
N62467-95-C					
NAVFAC DRAWING NO.					
532123					
SHEET 363 OF					
TP21					

DESIGNED BY: KCB Architects, Inc.  
30 North 1st Street  
Jacksonville, Florida 32202  
DATE: 21 MAY 1996  
BY: LAARS  
CHECKED BY: LAARS  
PARTNER 21 MAY 1996

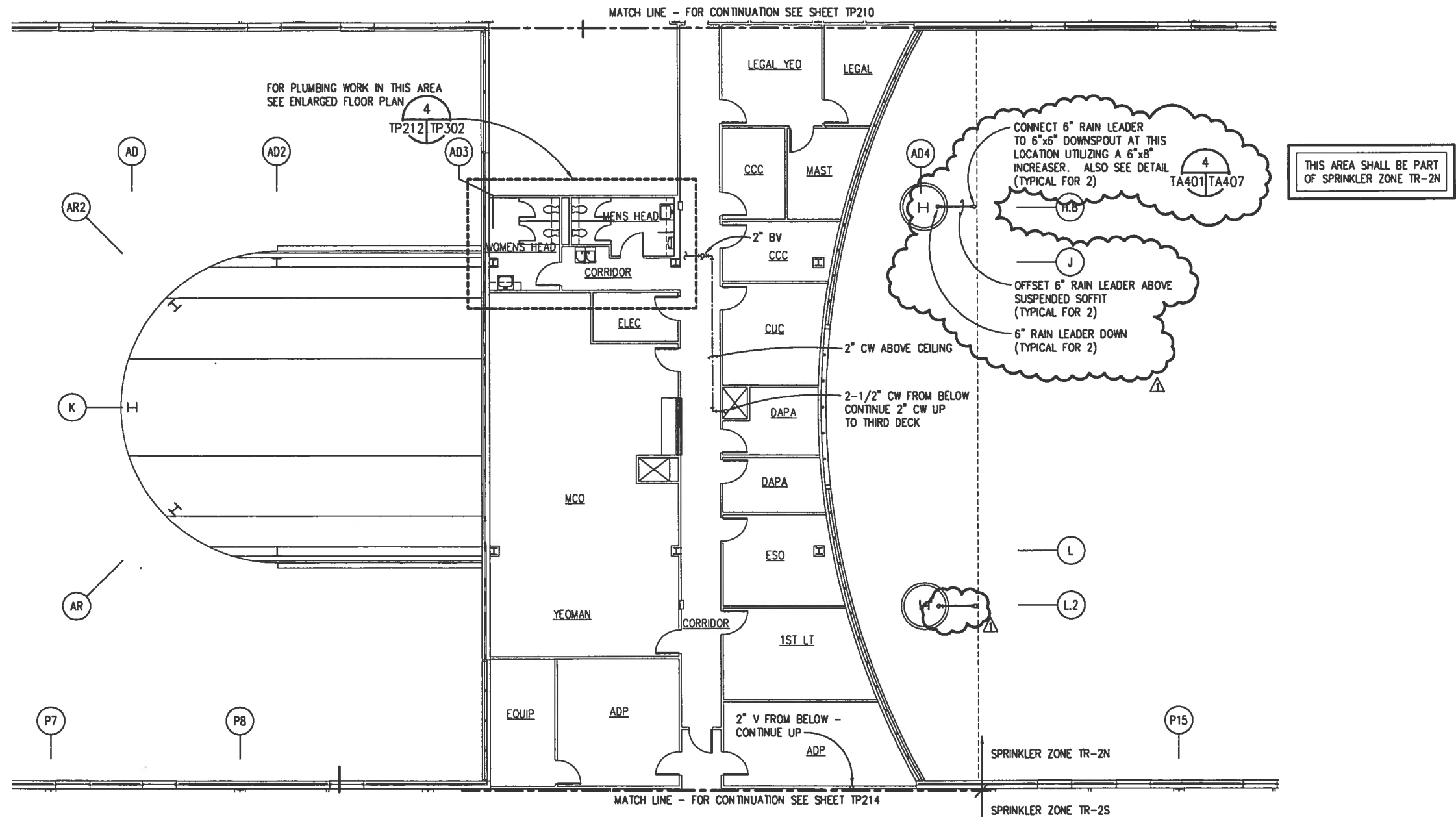


A 10x10 grid with a black path. The path starts at the top-left corner (row 1, column 1) and ends at the bottom-right corner (row 10, column 10). The path is composed of several connected segments. A square at the top-right corner (row 1, column 10) is shaded with diagonal lines.

$$1/8'' = 1'-0''$$


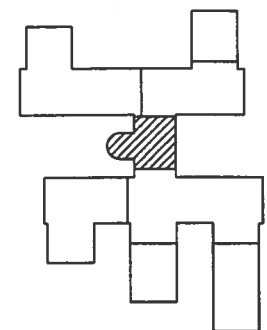
**TRAINING FACILITY**

9512TP03/NP2 (AREA\_D)



## SECOND DECK PLAN - AREA D - PLUMBING

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



KEY PLAN



GRAPHIC SCALE

1/8" = 1'-0"

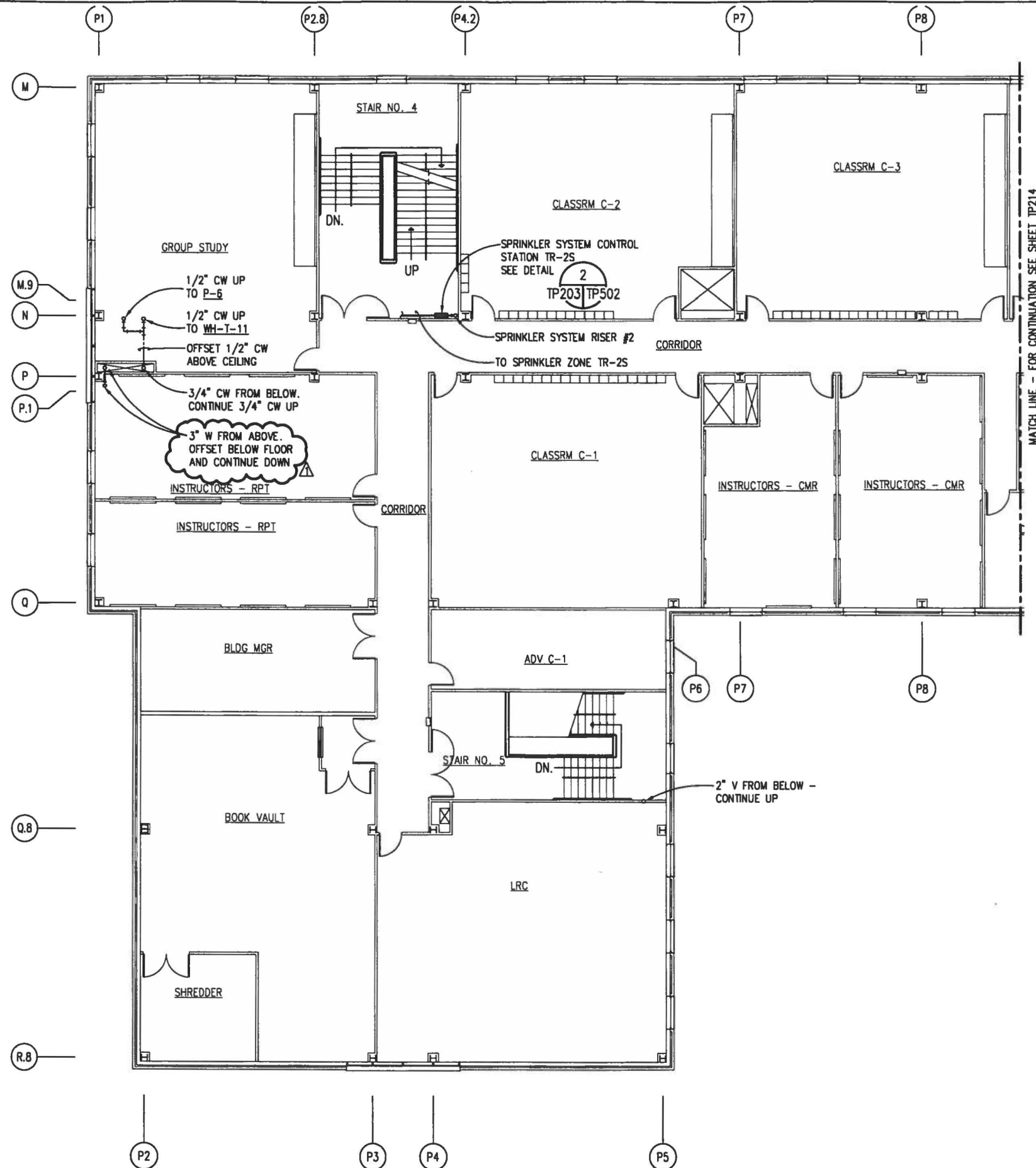
6' 3' 0' 6' 12' 18'

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

RECORD OF REVISION	DESIGNER	DATE	APPROVED
1	KDJ	7/26/96	CR77
2	W. VAN WAGEN	7/26/96	CR77
3	LAABS		
4	JUNCK		
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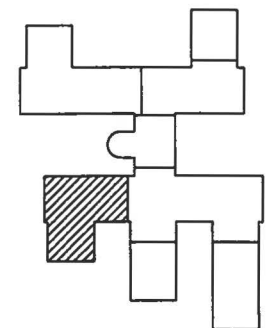
THIS AREA SHALL BE PART  
OF SPRINKLER ZONE TR-2S

**SECOND DECK PLAN - AREA E - PLUMBING**

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



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



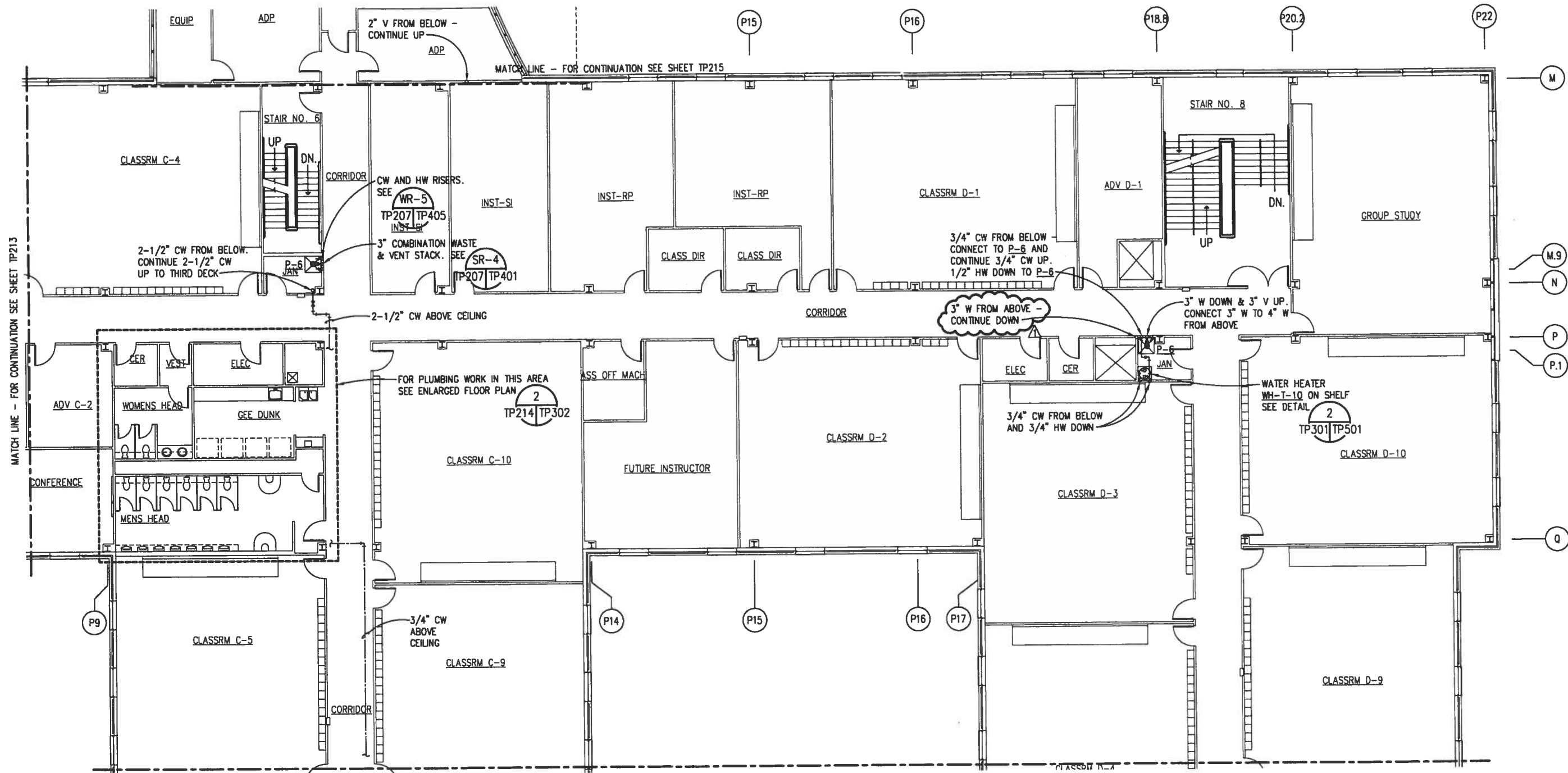
## KEY PLAN



### GRAPHIC SCALE

$$1/8" = 1'-0"$$


**TRAINING FACILITY**

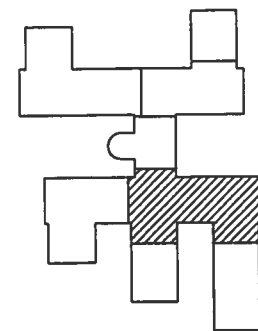


## SECOND DECK PLAN - AREA F - PLUMBING

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



THIS AREA SHALL BE PART  
OF SPRINKLER ZONE TR-25



KEY PLAN



GRAPHIC SCALE

1/8" = 1'-0"

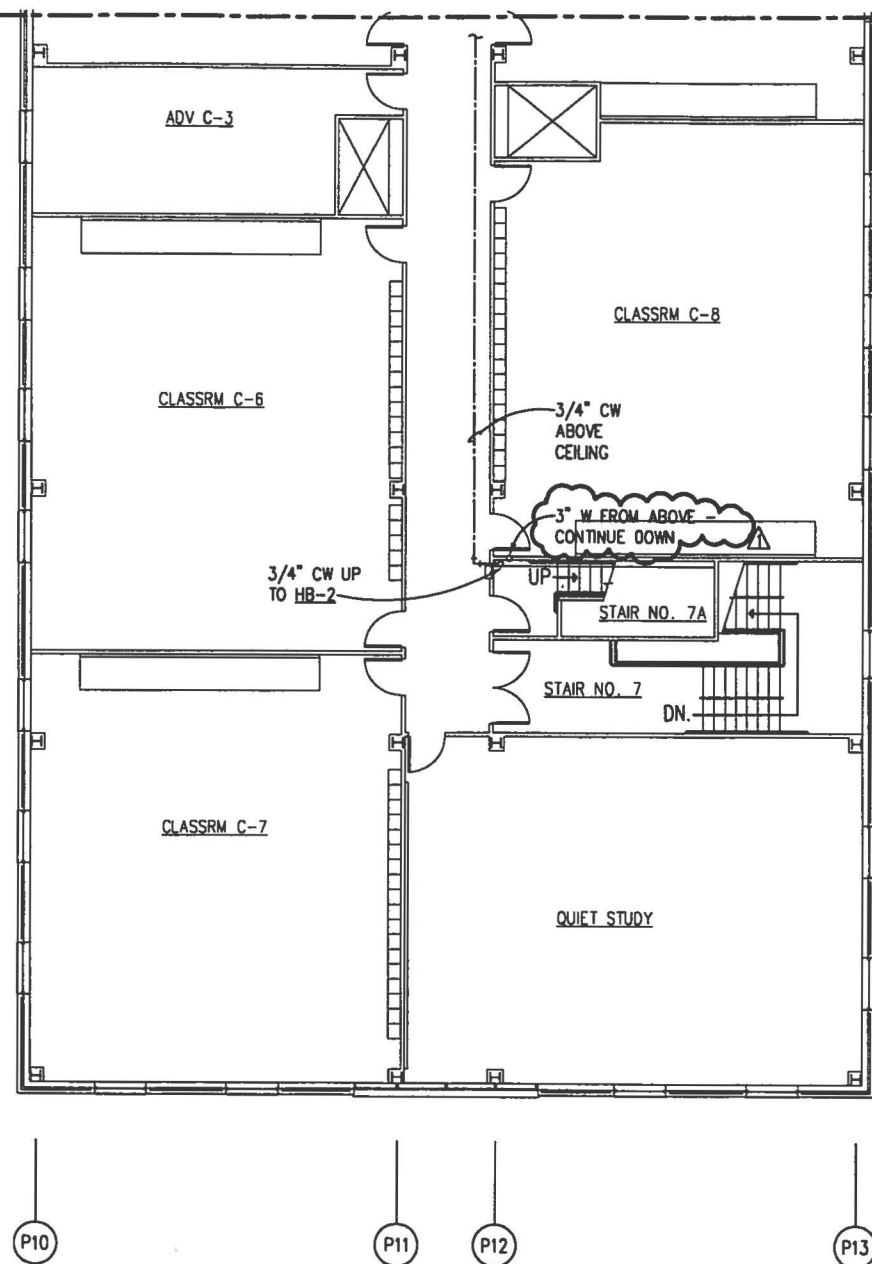
6' 3' 0' 6' 12' 18'

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

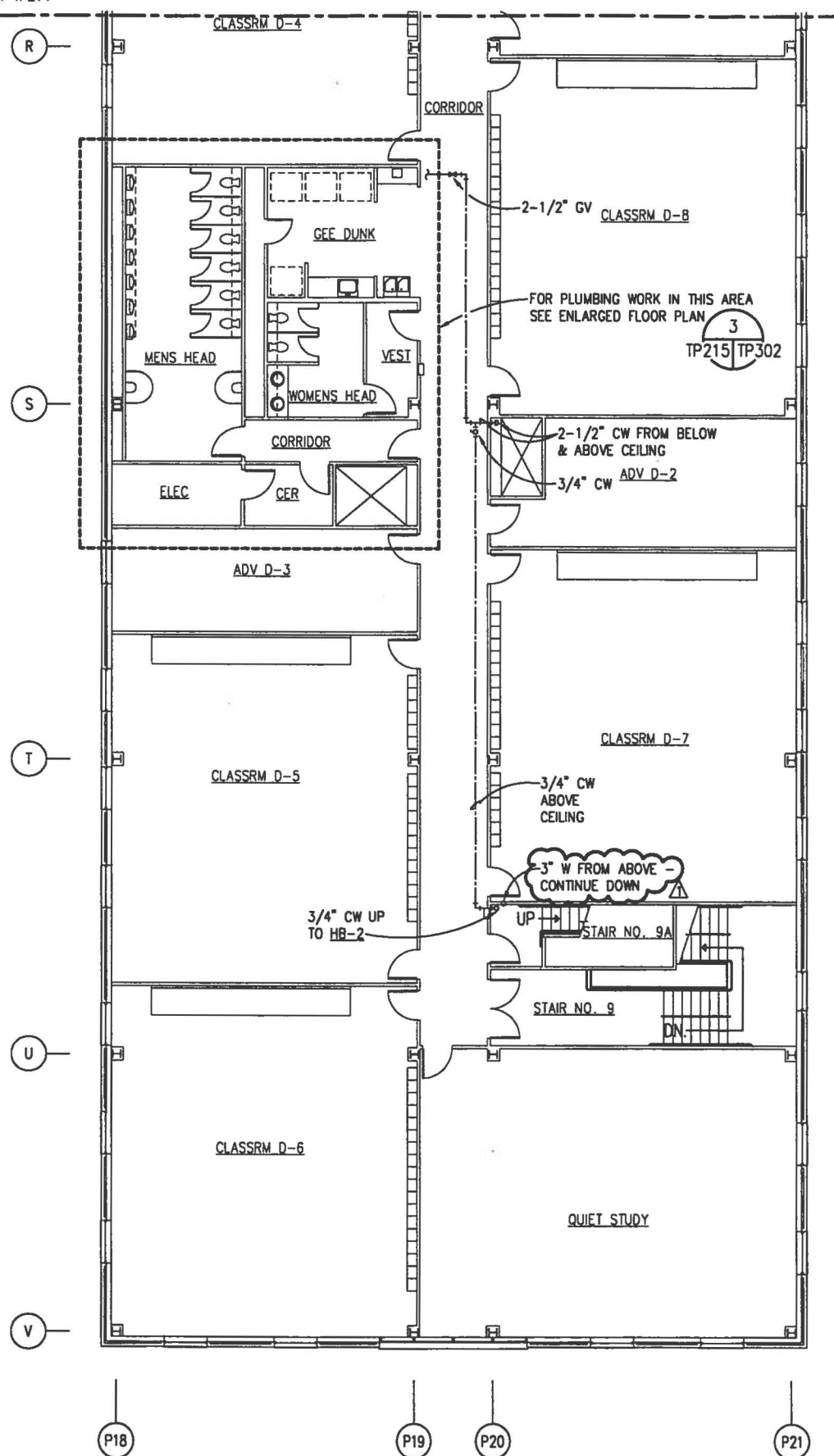
TRAINING FACILITY

REVISIONS	DATE	APPROVED	BY	DESCRIPTION
1	7/26/96	W. VAN WAGEN	TP215	GENERAL REVISIONS
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MATCH LINE - FOR CONTINUATION SEE SHEET TP214



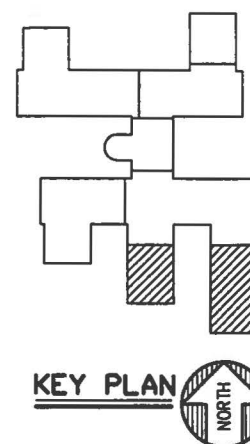
THIS AREA SHALL BE PART  
OF SPRINKLER ZONE TR-2S



## SECOND DECK PLAN - AREA G - PLUMBING

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

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



## KEY PLAY

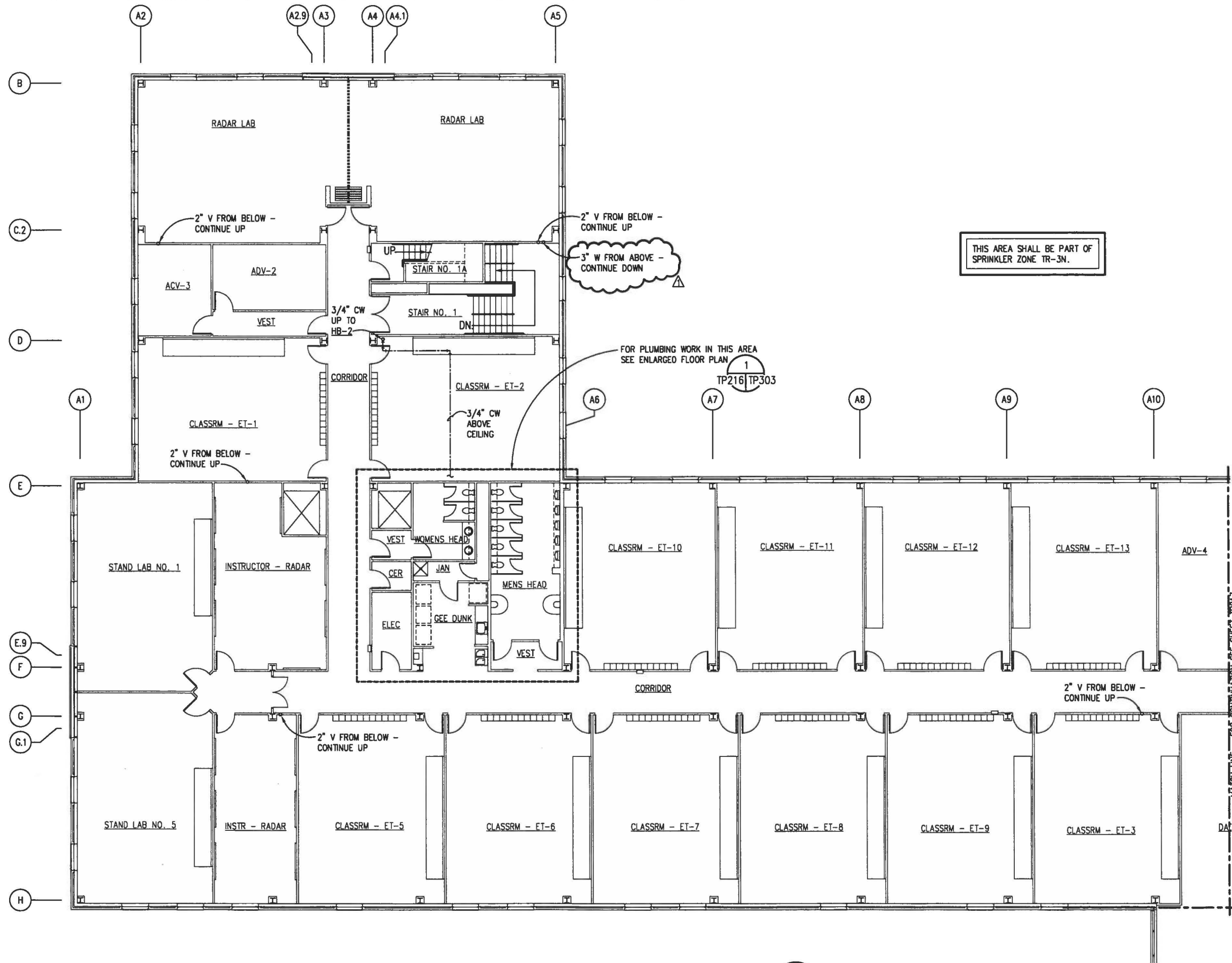
### GRAPHIC SCALE

$$1/8'' = 1'-0''$$

6' 3' 0 6' 12' 18'

## TRAINING FACILITY

<div>RECORD DRAINING DATE</div> <div>532124</div>		<div>SEAL AREA</div> <div><div>APPROVAL FOR C. VAN WAGEN NO. 532124 REGISTERED ENGINEER STATE OF TEXAS</div></div>		<div>DEPARTMENT OF THE NAVY</div> <div>NAVAL FACILITIES ENGINEERING COMMAND</div> <div>SOUTHERN DIVISION</div> <div>CHARLESTON, S.C.</div>		<div>NAVAL WEAPONS STATION</div> <div>CHARLESTON, S.C.</div> <div>NNPTC TRAINING COMPLEX</div>		<div>REV.</div> <div>DESCRIPTION</div> <div>PREP BY</div> <div>DATE</div> <div>APPROVD</div>		<div><div>4/10/97</div><div>4/10/97</div></div> <div>KBI Architects, Inc. 300 North Jule Street Jacksonville, Florida 32202</div> <div>4/10/97</div> <div>4/10/97</div>	
<div>DRAWING SIZE</div> <div>36" x 48"</div>		<div>SPEC. NO.</div> <div>06-95-</div>		<div>CONSTN. CONTR. NO.</div> <div>N62467-95-C-</div>		<div>NAVFAC DRAWING NO.</div> <div>532124</div>		<div>GENERAL REVISIONS</div> <div>W. VAN WAGEN</div> <div>7/26/96</div> <div>E.M.M.</div>		<div>RECORD OF RECORD</div> <div>4/10/97</div> <div>4/10/97</div>	
<div>SHEET</div> <div>368</div> <div>OF</div> <div>368</div>		<div>TP2</div>		<div>LAABS</div> <div>LAABS</div> <div>LAABS</div> <div>LAABS</div>		<div>LAABS</div> <div>LAABS</div> <div>LAABS</div> <div>LAABS</div>		<div>LAABS</div> <div>LAABS</div> <div>LAABS</div> <div>LAABS</div>		<div>LAABS</div> <div>LAABS</div> <div>LAABS</div> <div>LAABS</div>	

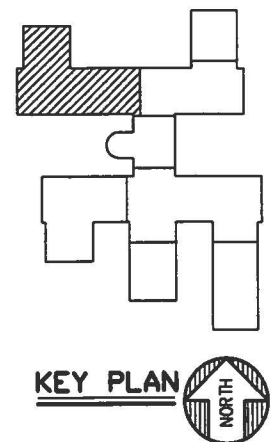


# THIRD DECK PLAN - AREA A - PLUMBING

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



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



KEY PLAN

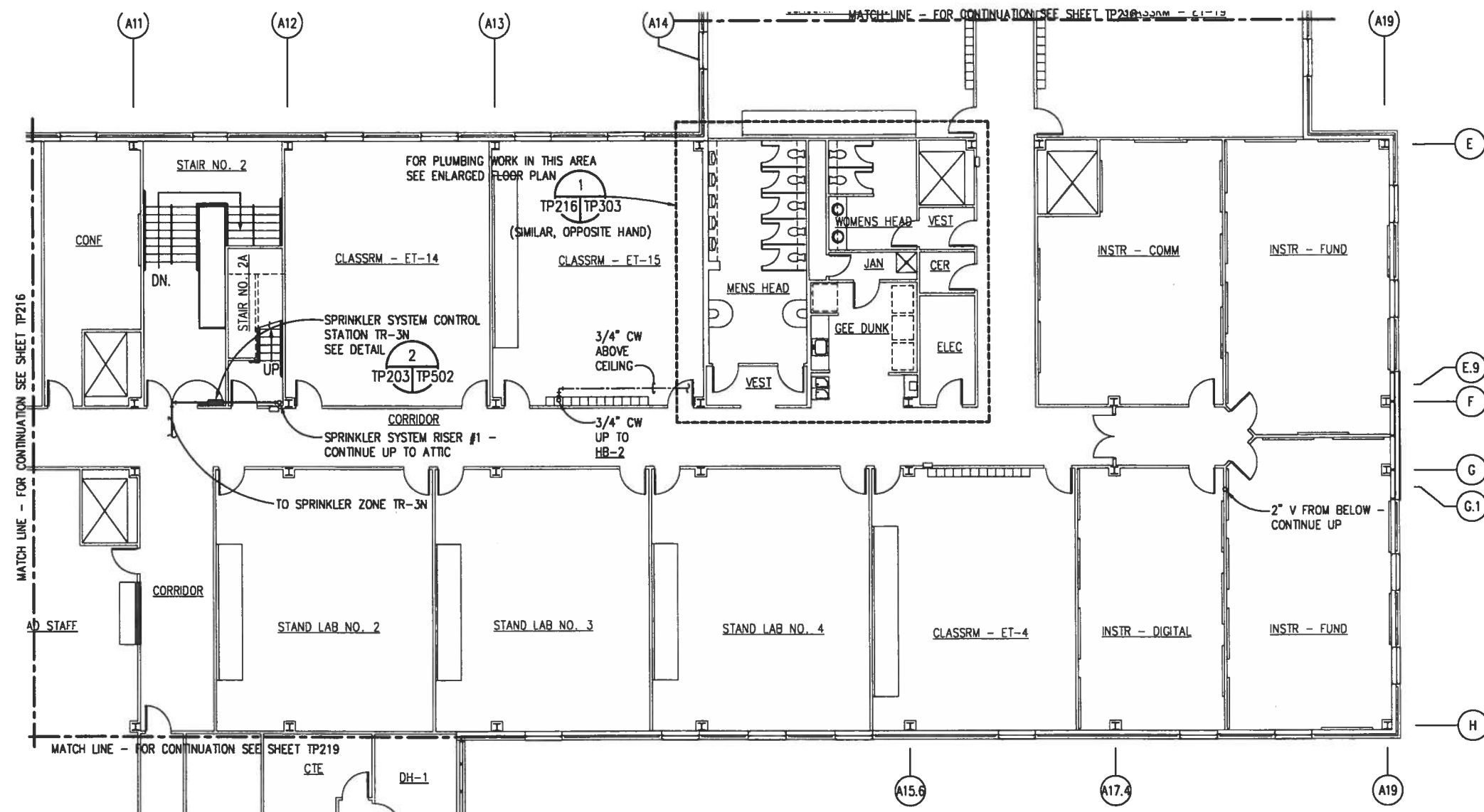
GRAPHIC SCALE

1/8" = 1'-0"

6' 3' 0' 6' 12' 18'

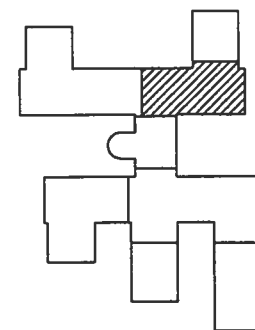
TRAINING FACILITY

RECORD OF REVISIONS	REVISIONS	DATE	APPROVED	BY
1	GENERAL REVISIONS	7/26/96	W. VAN WAGEN	LAAB
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### THIRD DECK PLAN - AREA B - PLUMBING

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



KEY PLAN



GRAPHIC SCALE

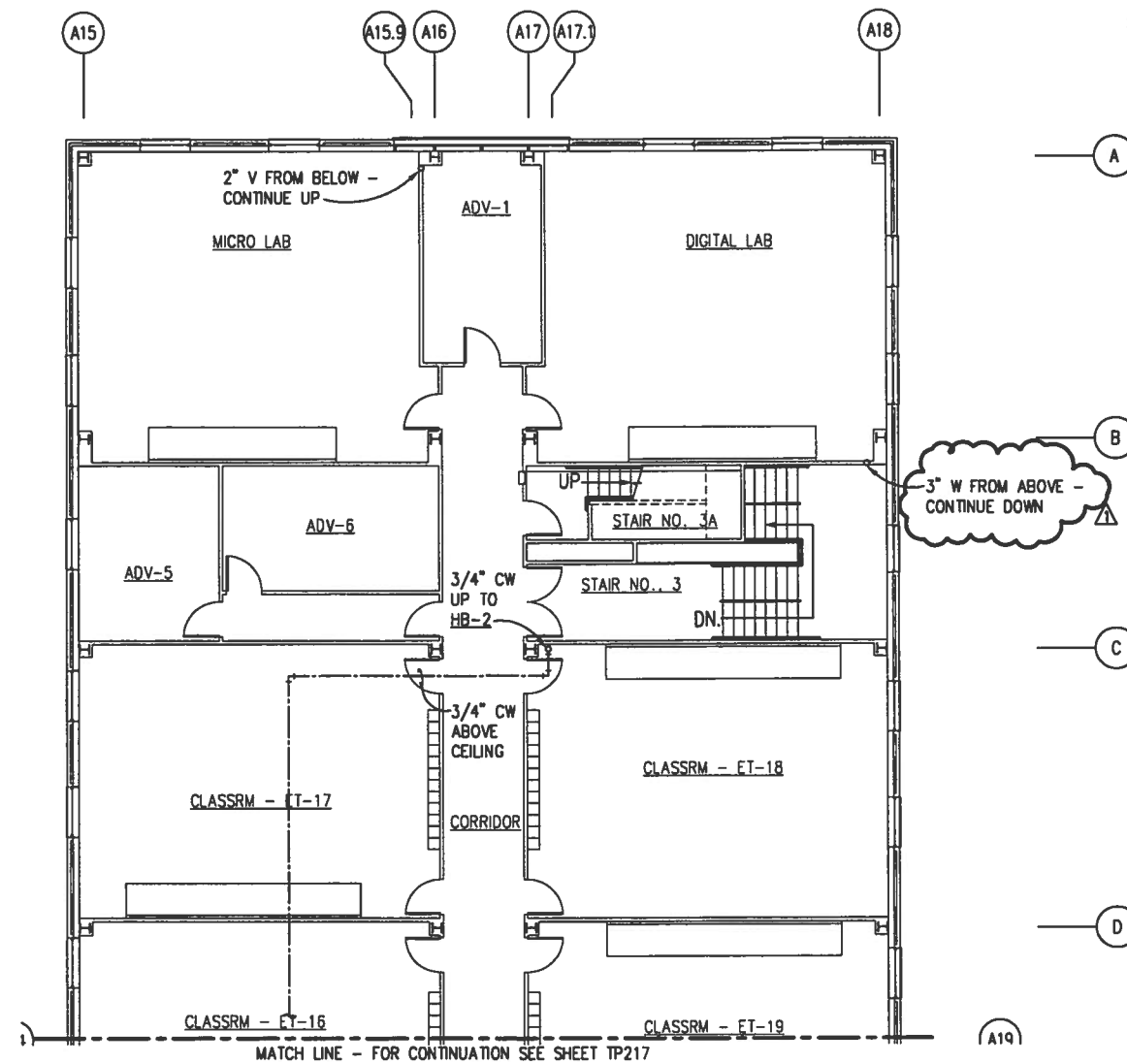
1/8" = 1'-0" 6' 3' 0' 6' 12' 18'

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

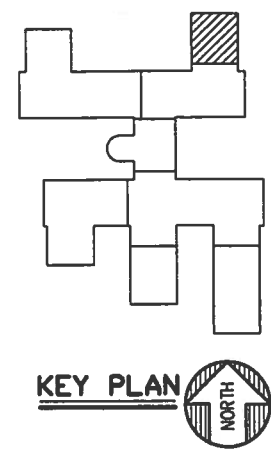
THIS AREA SHALL BE PART OF  
SPRINKLER ZONE TR-3N.

RECORD OF RECORD	REVISION	DATE	APPROVED
1001	1		
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### THIRD DECK PLAN - AREA C - PLUMBING

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



GRAPHIC SCALE

1/8" = 1'-0"

6' 3' 0 6' 12' 18'

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

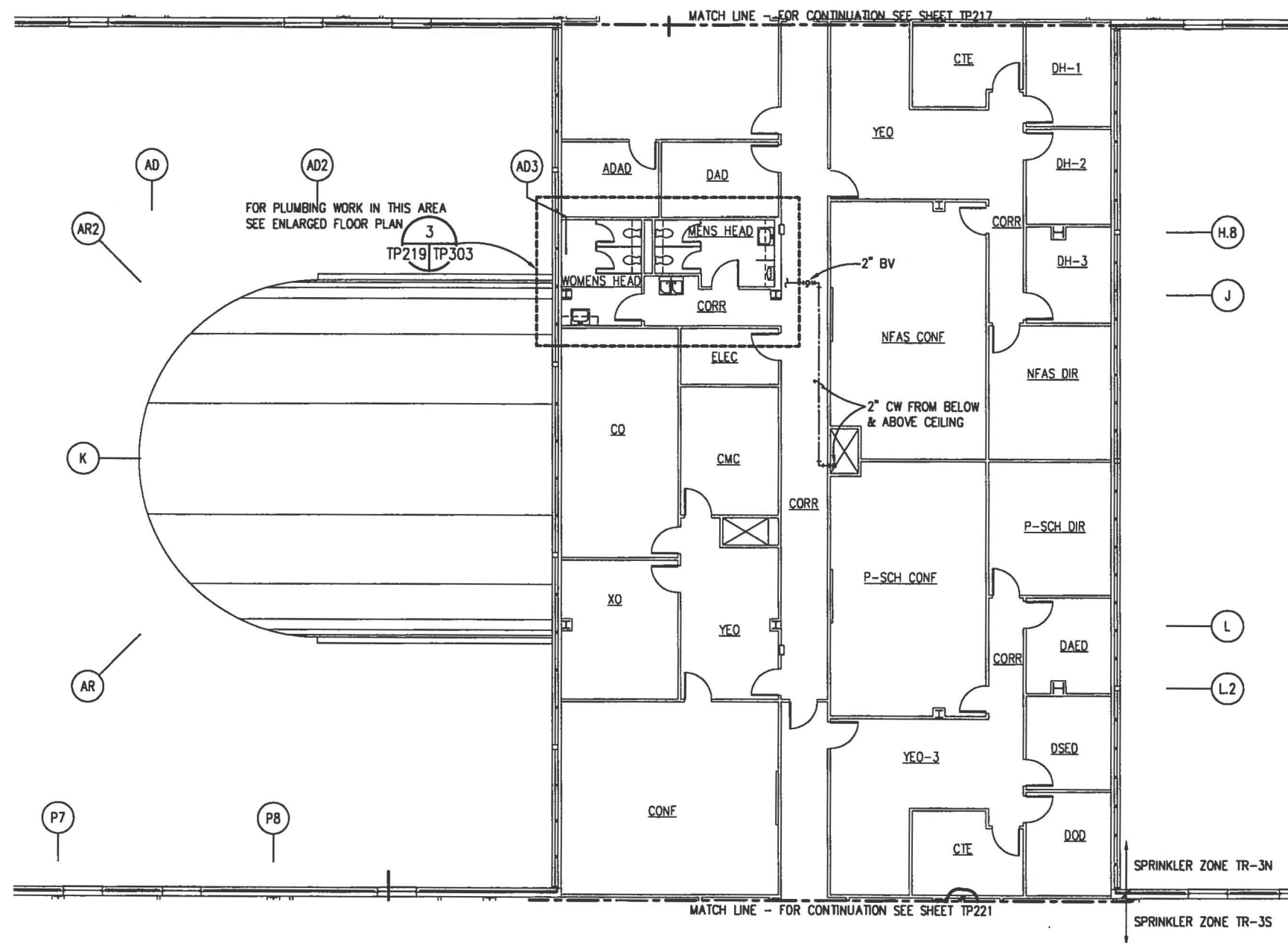
THIS AREA SHALL BE PART OF  
SPRINKLER ZONE TR-3N.

REVISIONS	REV.	DESCRIPTION	DATE	APPROVED
1	A	GENERAL REVISIONS	7/26/96	W. VAN WAGEN
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DESIGNED BY	W. VAN WAGEN	DATE	7/26/96	APPROVED	W. VAN WAGEN
CHECKED BY	W. VAN WAGEN	DATE	7/26/96	APPROVED	W. VAN WAGEN
IN CHARGE	W. VAN WAGEN	DATE	7/26/96	APPROVED	W. VAN WAGEN
PROJECT NO.	62467-95-C	DATE	7/26/96	APPROVED	W. VAN WAGEN
SHEET NO.	371	DATE	7/26/96	APPROVED	W. VAN WAGEN
TITLE	TP21	DATE	7/26/96	APPROVED	W. VAN WAGEN
REVISIONS	REV.	DESCRIPTION	DATE	APPROVED	W. VAN WAGEN
1	A	GENERAL REVISIONS	7/26/96	W. VAN WAGEN	W. VAN WAGEN
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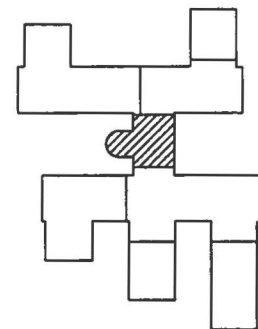
DESIGNED BY	W. VAN WAGEN	DATE	7/26/96	APPROVED	W. VAN WAGEN
CHECKED BY	W. VAN WAGEN	DATE	7/26/96	APPROVED	W. VAN WAGEN
IN CHARGE	W. VAN WAGEN	DATE	7/26/96	APPROVED	W. VAN WAGEN
PROJECT NO.	62467-95-C	DATE	7/26/96	APPROVED	W. VAN WAGEN
SHEET NO.	371	DATE	7/26/96	APPROVED	W. VAN WAGEN
TITLE	TP21	DATE	7/26/96	APPROVED	W. VAN WAGEN
REVISIONS	REV.	DESCRIPTION	DATE	APPROVED	W. VAN WAGEN
1	A	GENERAL REVISIONS	7/26/96	W. VAN WAGEN	W. VAN WAGEN
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DESIGNED BY	W. VAN WAGEN	DATE	7/26/96	APPROVED	W. VAN WAGEN
CHECKED BY	W. VAN WAGEN	DATE	7/26/96	APPROVED	W. VAN WAGEN
IN CHARGE	W. VAN WAGEN	DATE	7/26/96	APPROVED	W. VAN WAGEN
PROJECT NO.	62467-95-C	DATE	7/26/96	APPROVED	W. VAN WAGEN
SHEET NO.	371	DATE	7/26/96	APPROVED	W. VAN WAGEN
TITLE	TP21	DATE	7/26/96	APPROVED	W. VAN WAGEN
REVISIONS	REV.	DESCRIPTION	DATE	APPROVED	W. VAN WAGEN
1	A	GENERAL REVISIONS	7/26/96	W. VAN WAGEN	W. VAN WAGEN
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# THIRD DECK PLAN - AREA D - PLUMBING

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



KEY PLAN



GRAPHIC SCALE

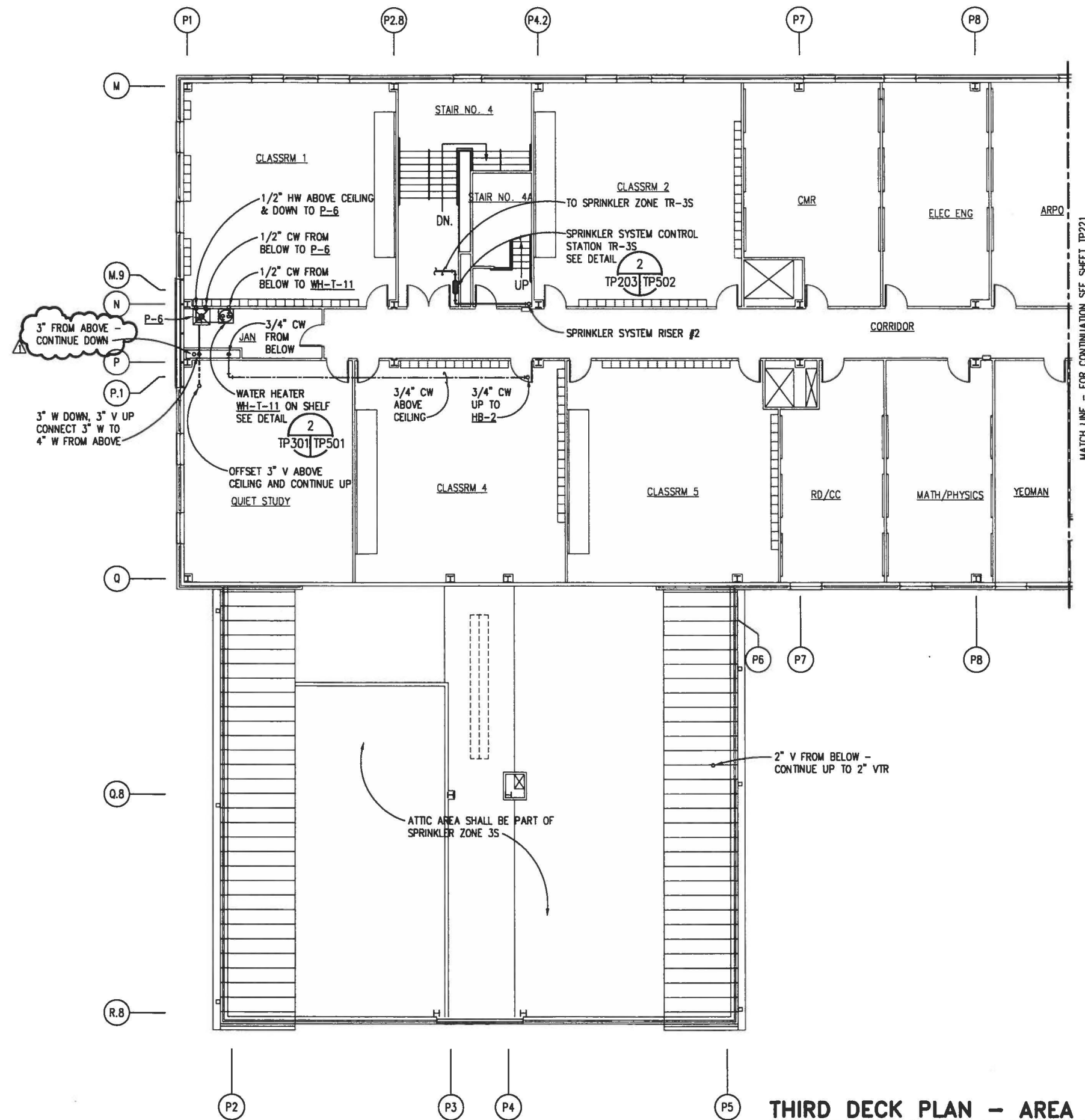
1/8" = 1'-0" 6' 3' 0' 6' 12' 18'

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

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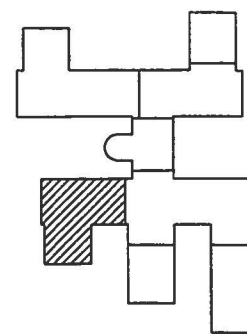




THIS AREA SHALL BE PART OF  
SPRINKLER ZONE TR-3S.

### THIRD DECK PLAN - AREA E - PLUMBING

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



KEY PLAN

GRAPHIC SCALE

1/8" = 1'-0" 6' 3' 0' 6' 12' 18'

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

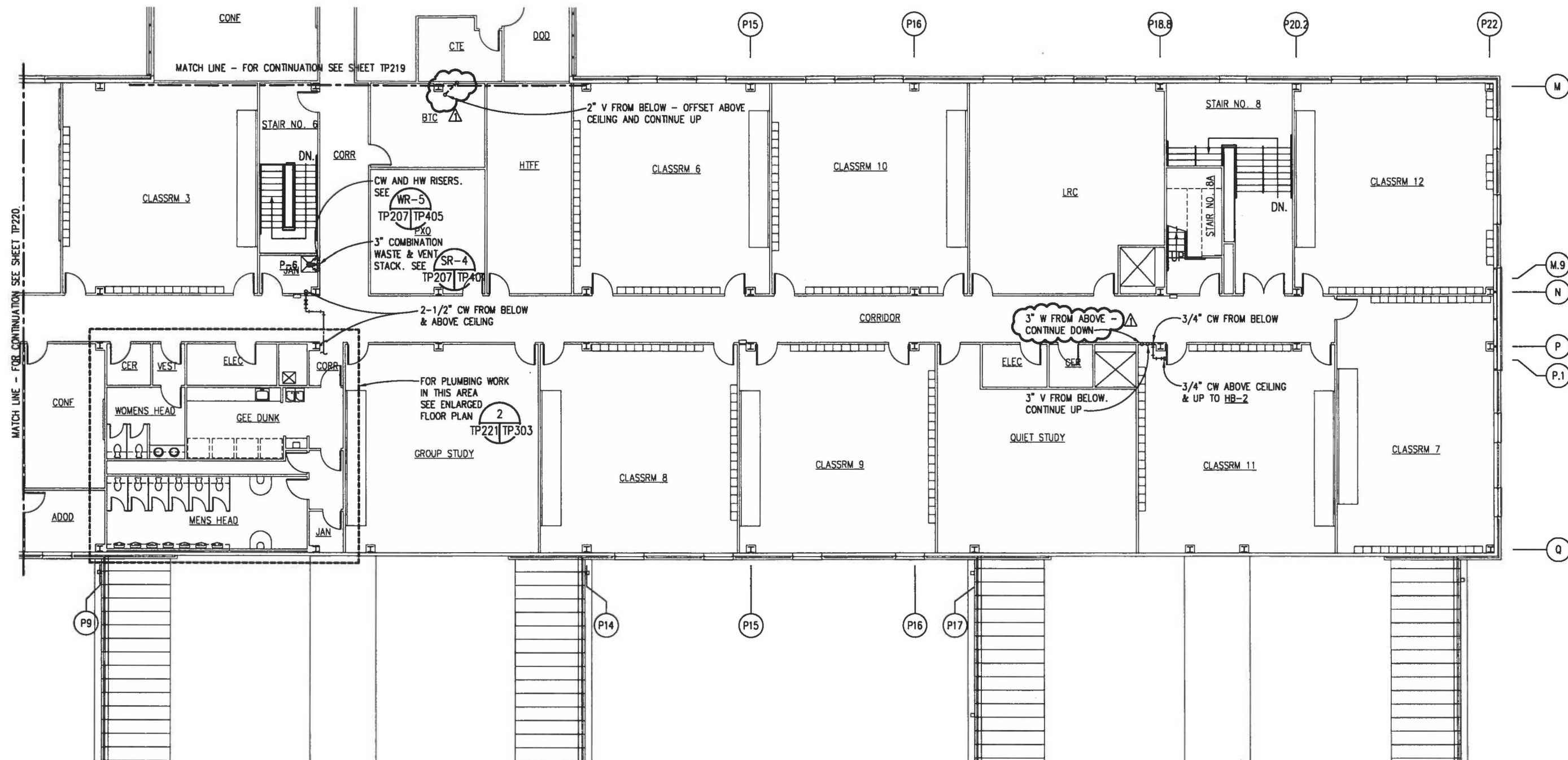
REVISIONS	REV.	DESCRIPTION	PREP BY	DATE	APPROV
1	A	GENERAL REVISIONS	W. VAN WAGEN	7/26/96	CAW
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REVISIONS	REV.	DESCRIPTION	PREP BY	DATE	APPROV
1	A	GENERAL REVISIONS	W. VAN WAGEN	7/26/96	CAW
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REVISIONS	REV.	DESCRIPTION	PREP BY	DATE	APPROV
1	A	GENERAL REVISIONS	W. VAN WAGEN	7/26/96	CAW
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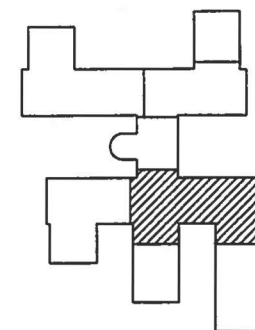


# THIRD DECK PLAN - AREA F - PLUMBING

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



THIS AREA SHALL BE PART OF  
SPRINKLER ZONE TR-3S.



KEY PLAN



GRAPHIC SCALE

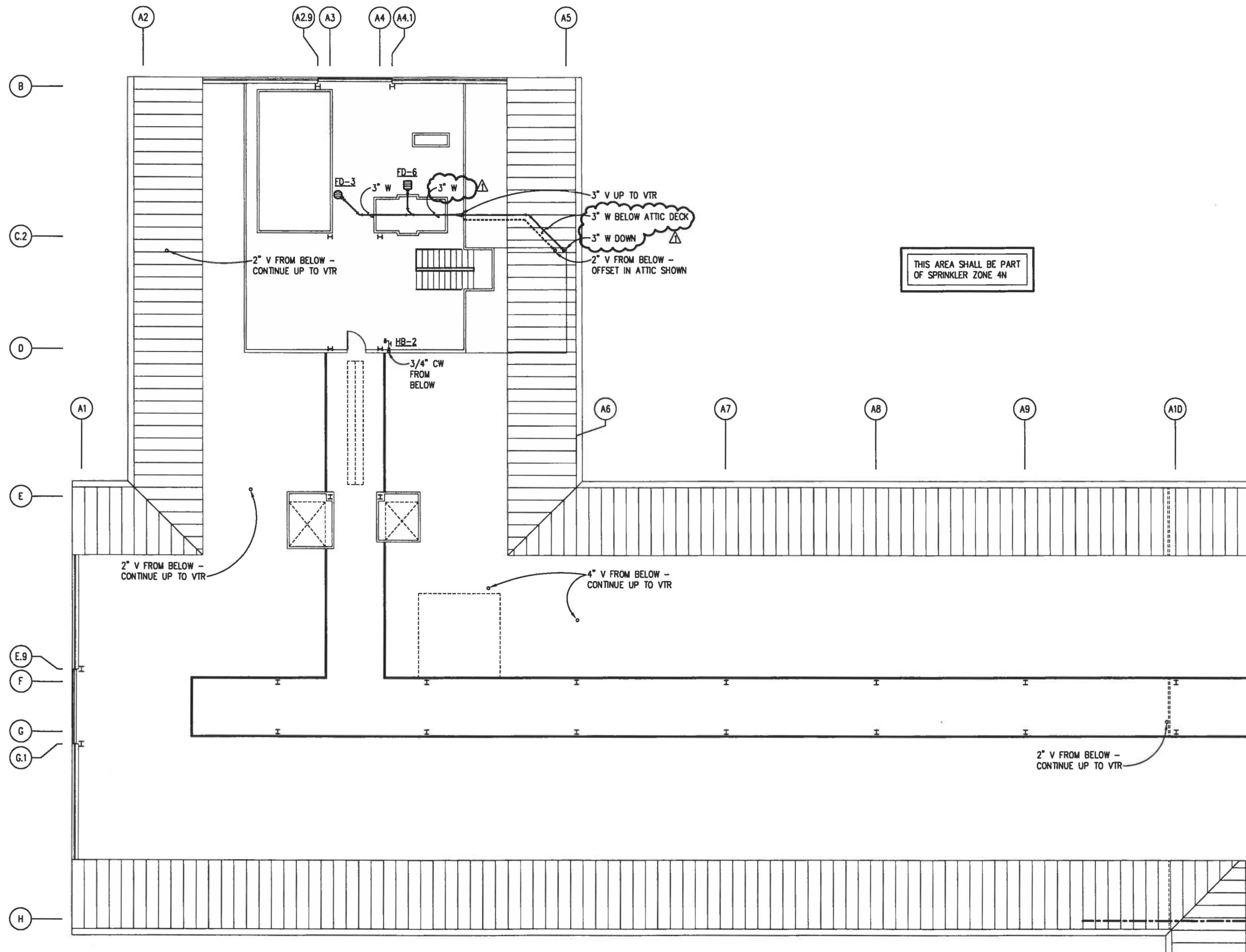
1/8" = 1'-0" 6' 3' 0' 6' 12' 18'

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REVISIONS	DESCRIPTION	PREP BY	DATE	APPROV
1	GENERAL REVISIONS	W. VAN WAGEN	7/25/96	CR77
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9512TP05/NP4 (AREA\_A)

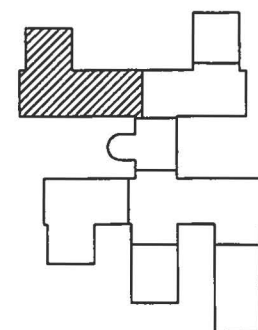


# ATTIC DECK PLAN - AREA A - PLUMBING

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



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



KEY PLAN

GRAPHIC SCALE

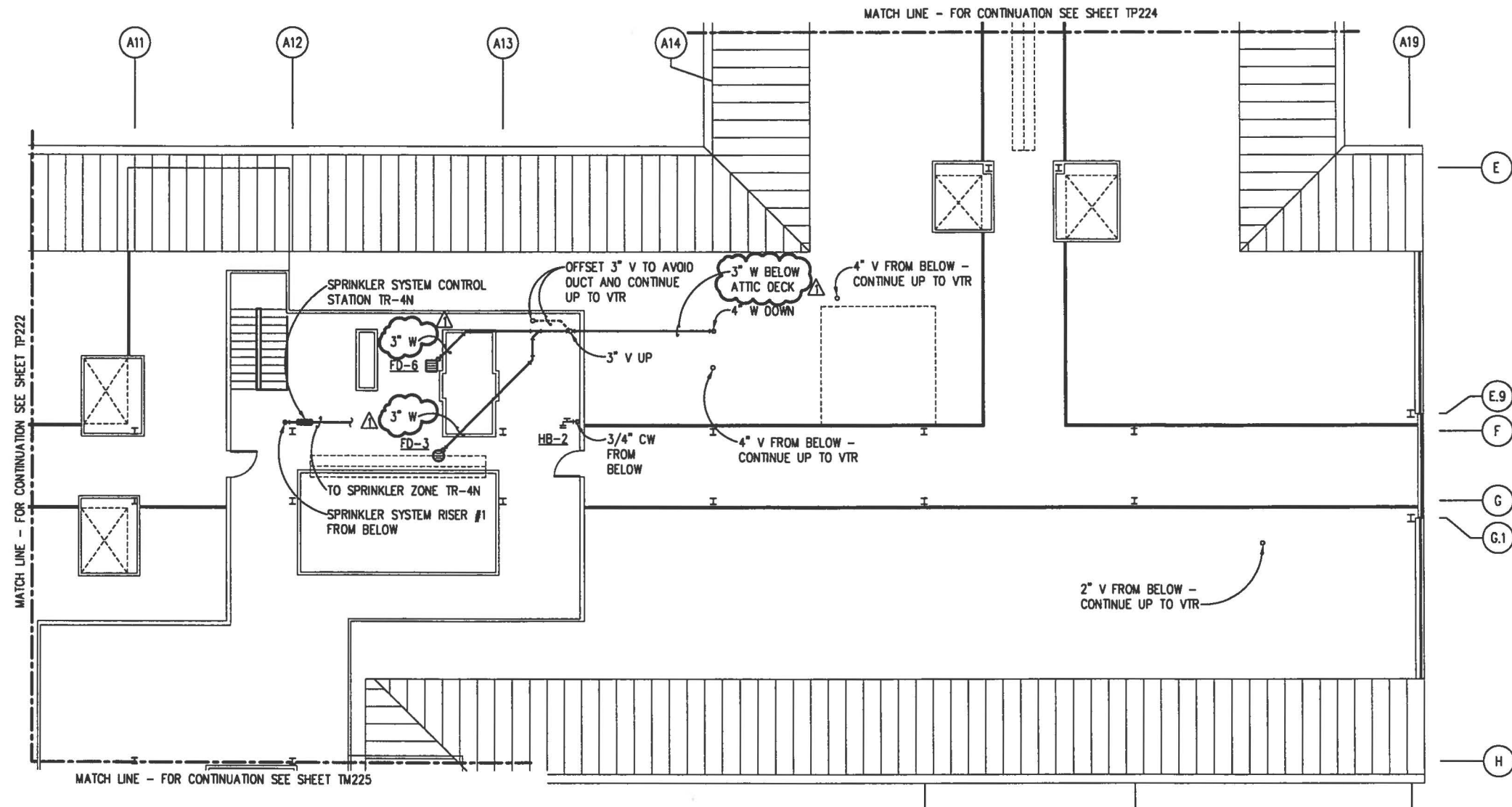
1/8" = 1'-0"



TRAINING FACILITY

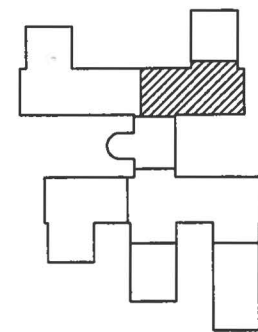
REV.	DESCRIPTION	PREP BY	DATE	APPROV
1	GENERAL REVISIONS	W. VAN WAGENEN	7/26/96	EAT
NAVAL WEAPONS STATION				
CHARLESTON, S.C.				
NNPTC TRAINING COMPLEX				
RECORD DRAWING DATE				
CODE NO.				
DRAWING NO.				
SPEC. NO. 06-95				
CONSTR. CONTR. NO.				
N62467-95-1				
NAVFAC DRAWING NO.				
53212				
SHEET 375 OF				
TP22				

9512TP05/NP 4 (AREA\_B)



**ATTIC DECK PLAN - AREA B - PLUMBING**

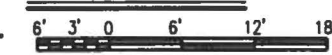
SCALE: 1/8"=1'-0"



**KEY PLAN**

**GRAPHIC SCALE**

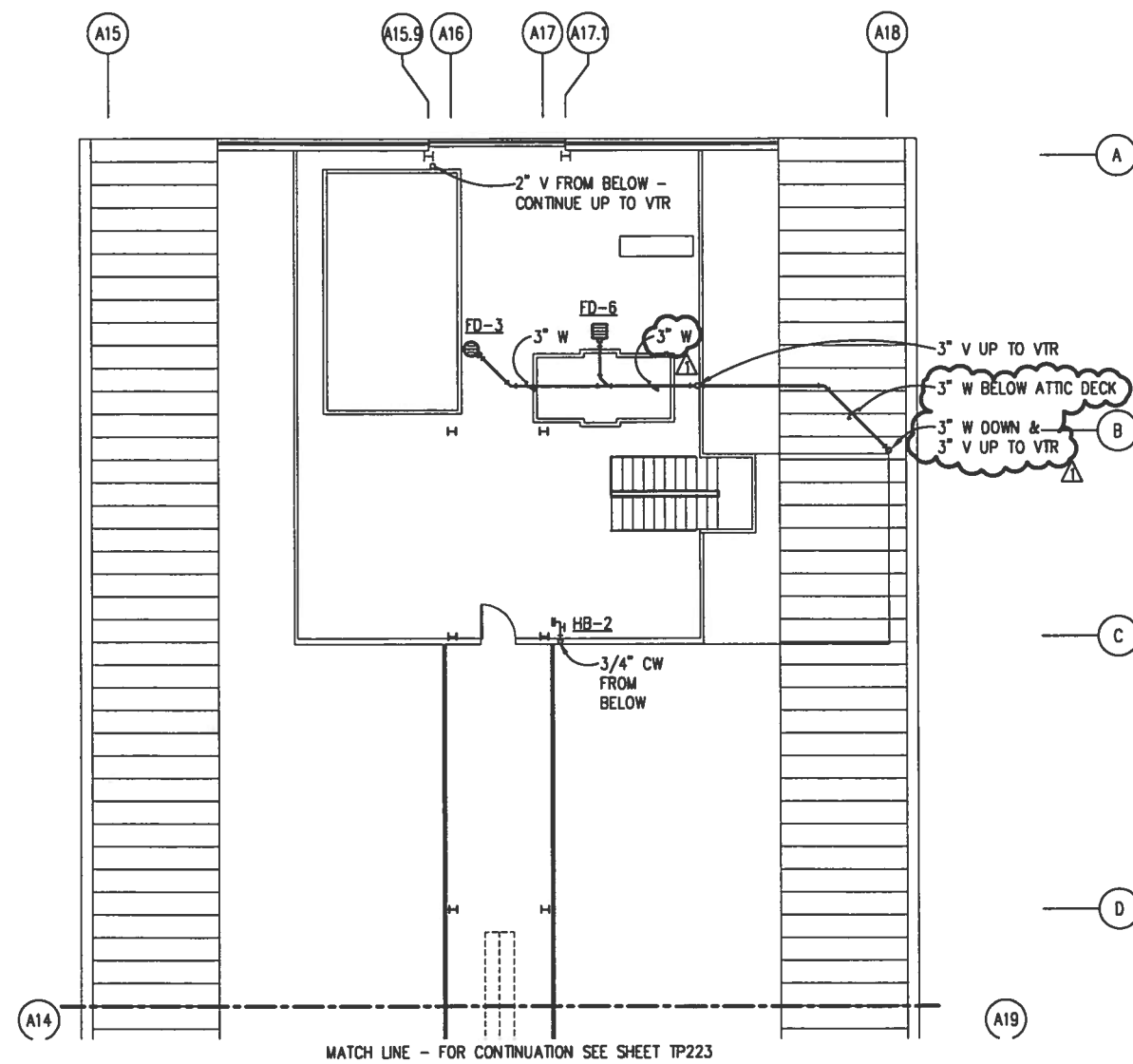
1/8" = 1'-0"



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REV.	DESCRIPTION	PREP BY	DATE	APPROV
A	GENERAL REVISIONS	W. VAN WAGEN	7/25/96	CAW
NAVAL WEAPONS STATION SOUTHERN DIVISION CHARLESTON, S.C.				
NNPTC TRAINING COMPLEX				
DESIGNED BY RECORD K31 Architects, Inc. 30 North 1st Street Jacksonville, Florida 32202				
DRAWN BY J. LAARS				
CHECKED BY J. LAARS				
PARTNER 21 MAY 95				
RECORD DRAINING DATE				
CODE LD NO.				
DRAWING SIZE:				
SPEC. NO. 06-95				
CONSTR. CONTR. NO.				
NAVAC DRAWING NO.				
SHEET 376 OF				
TP22				

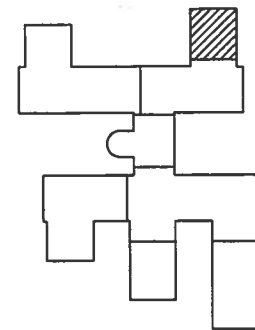


# ATTIC DECK PLAN - AREA C - PLUMBING

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



THIS AREA SHALL BE PART  
OF SPRINKLER ZONE 4N



KEY PLAN

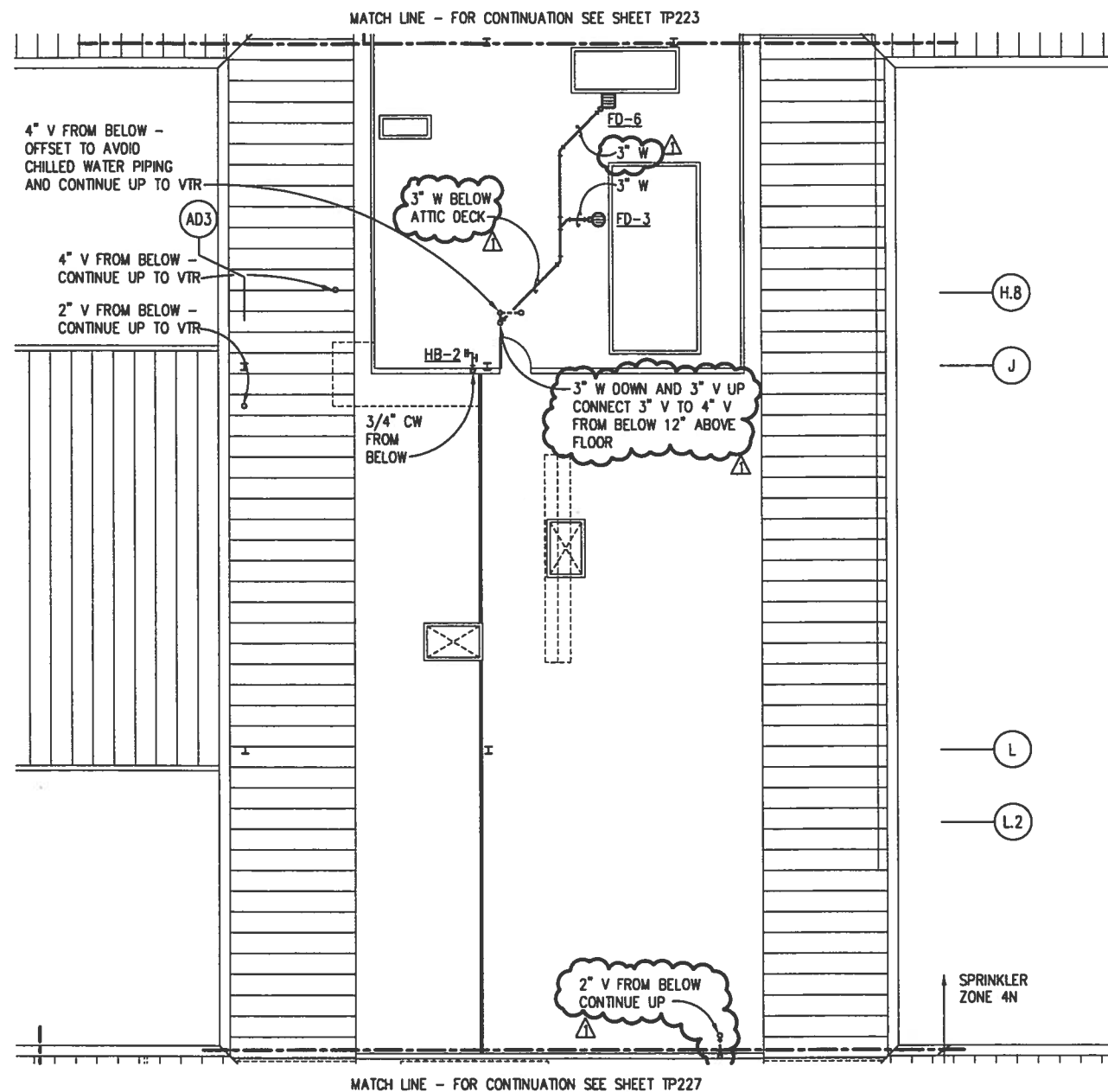
GRAPHIC SCALE

1/8" = 1'-0"

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

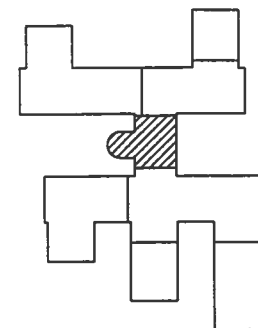
REVISIONS	DESCRIPTION	DATE	APPROVED
1	GENERAL REVISIONS	7/26/96	W. VAN WAGEN
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THIS AREA SHALL BE PART  
OF SPRINKLER ZONE 4N

# ATTIC DECK PLAN - AREA D - PLUMBING

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

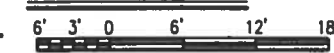


KEY PLAN



GRAPHIC SCALE

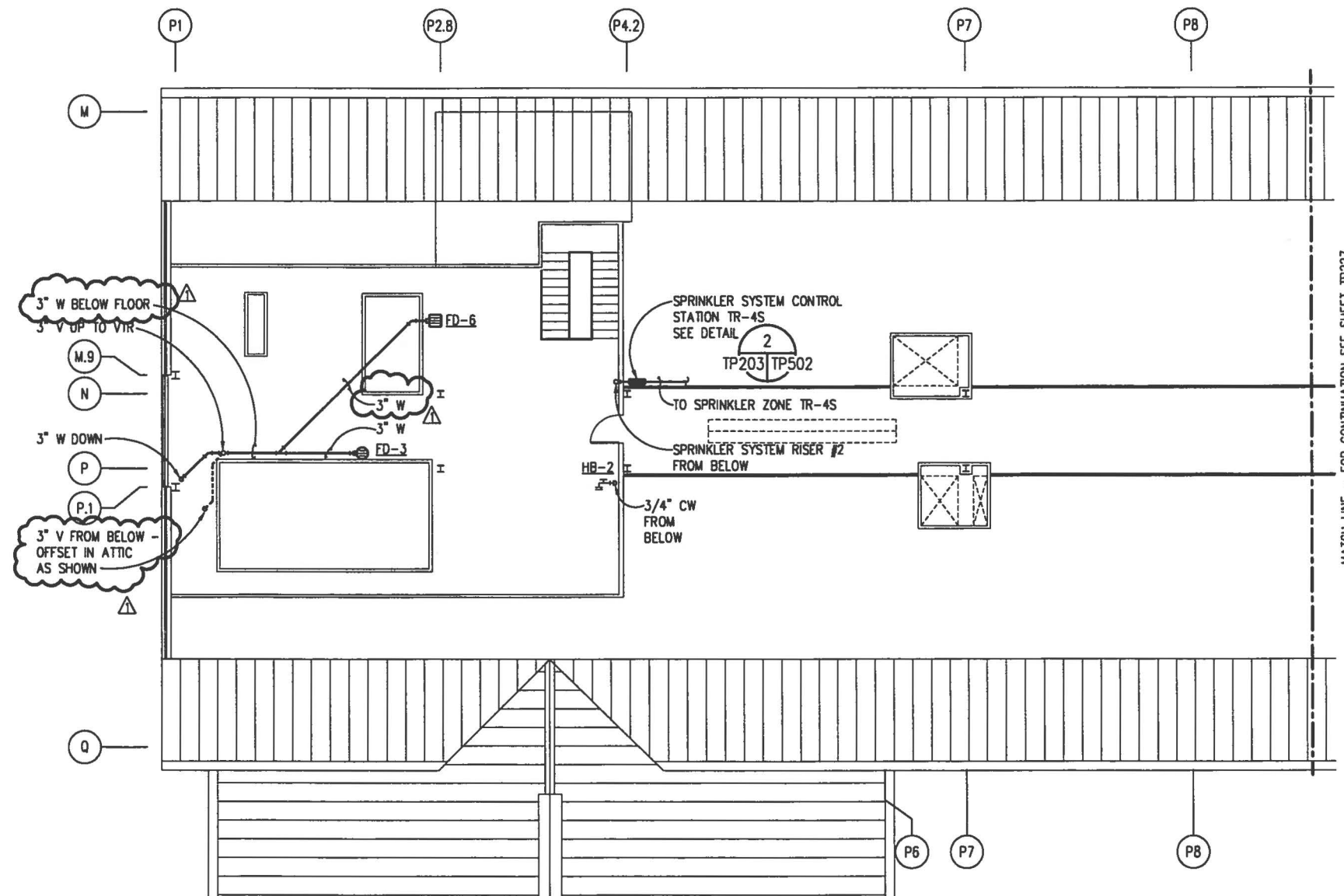
1/8" = 1'-0"



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REVISIONS	REV.	DESCRIPTION	PREP BY	DATE	APPROV
1	A	GENERAL REVISIONS	W. VAN WAGENEN	7/25/95	CAT
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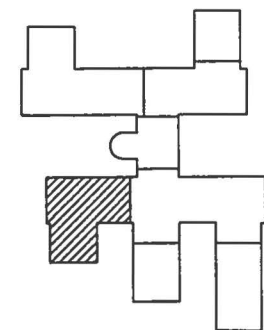
### ATTIC DECK PLAN - AREA E - PLUMBING

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



THIS AREA SHALL BE PART  
OF SPRINKLER ZONE 4S

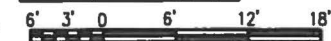
MATCH LINE - FOR CONTINUATION SEE SHEET TP227



### KEY PLAN

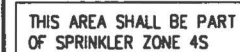


### GRAPHIC SCALE

$$1/8" = 1'-0"$$


IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

## TRAINING FACILITY



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



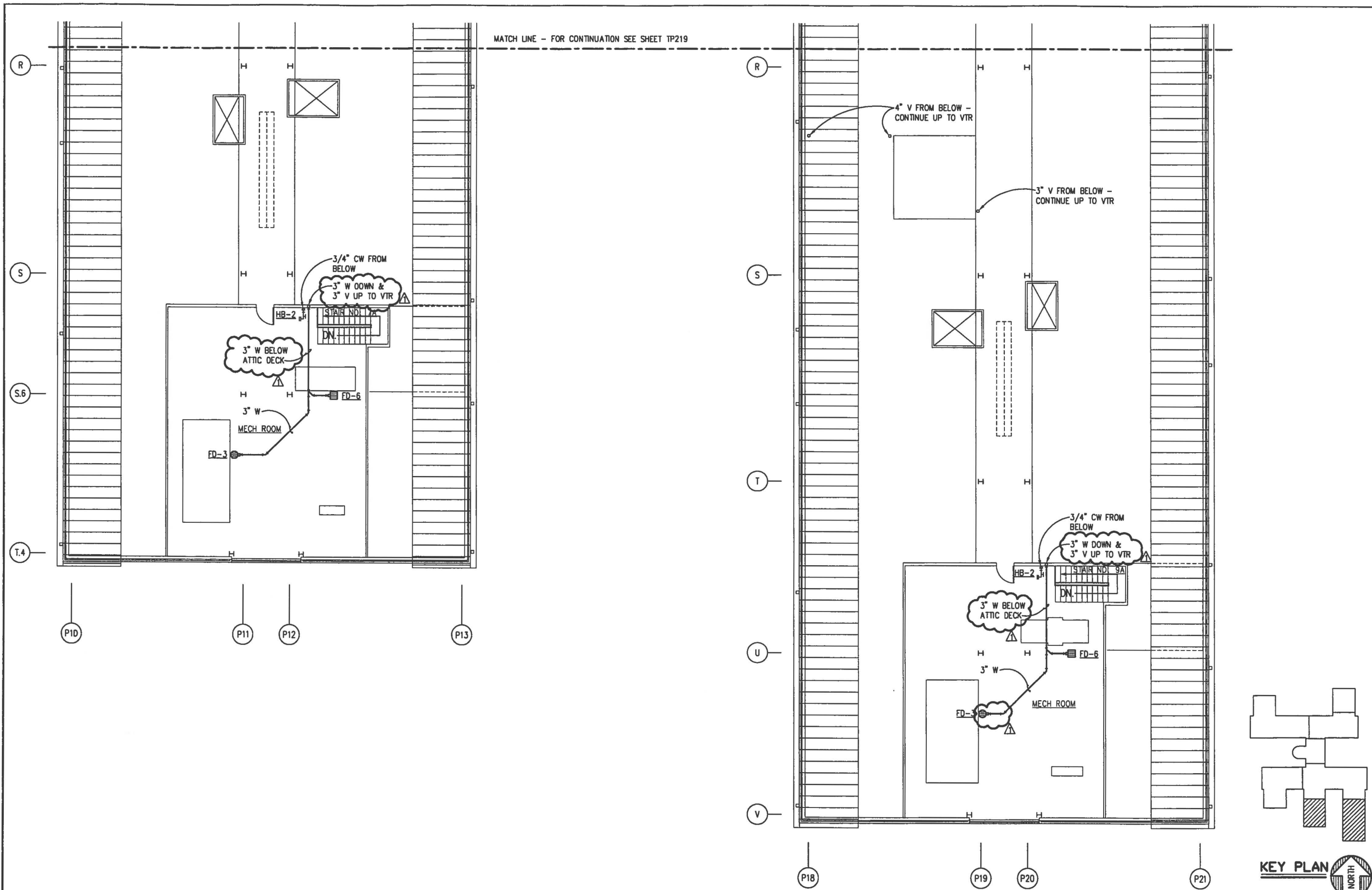
### GRAPHIC SCALE



## TRAINING FACILITY



9512TP04/NP3 (AREA\_G)



# ATTIC DECK PLAN - AREA G - PLUMBING

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

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



THIS AREA SHALL BE PART OF  
SPRINKLER ZONE TR-35.

GRAPHIC SCALE

1/8" = 1'-0"



KEY PLAN



REVISIONS	DESCRIPTION	PREP BY	DATE	APPROVED
1	GENERAL REVISIONS	W. VAN WAGENEN	7/26/96	EAT

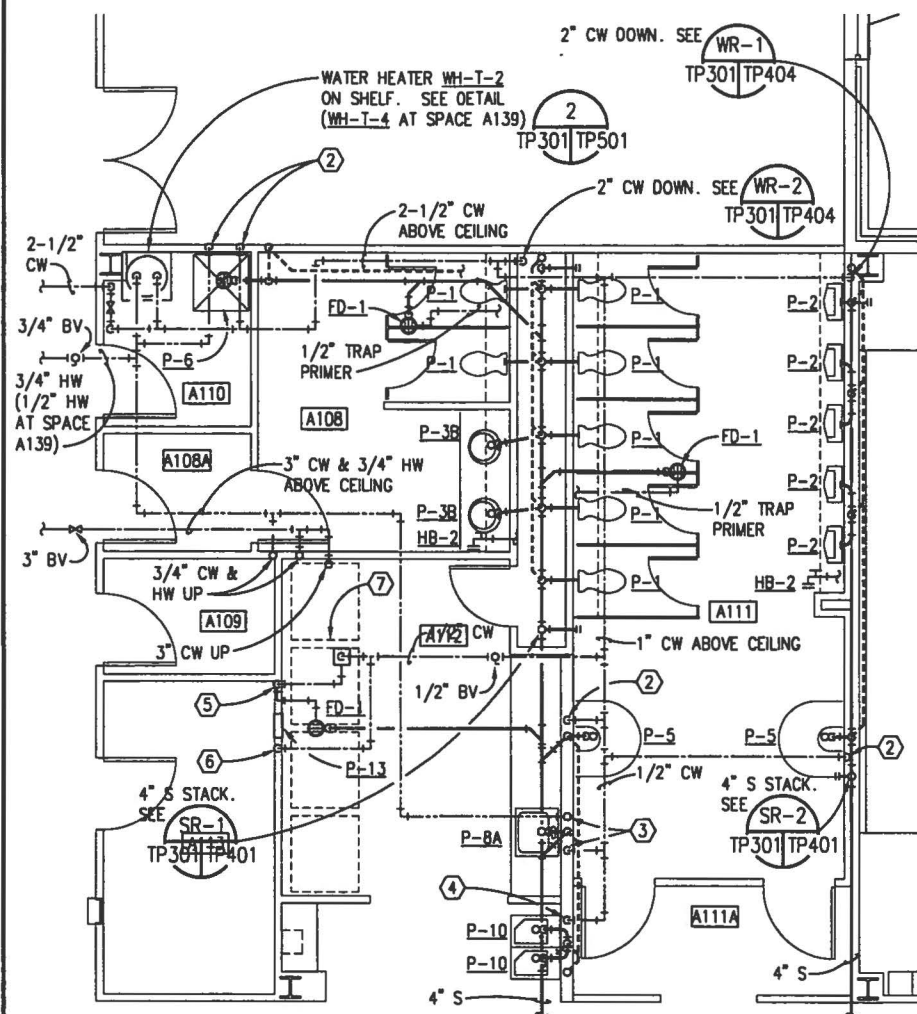
DESIGNED BY	CHARLESTON, S.C.
DRAWN BY	CHARLESTON, S.C.
CHECKED BY	CHARLESTON, S.C.
IN CHARGE	CHARLESTON, S.C.

PROJECT NO.	53212
SHEET NO.	381

DATE	21 MAY 1996
BY	LAUREN
FOR	NAVY

PROJECT	NAVY TRAINING FACILITY
LOCATION	TP22

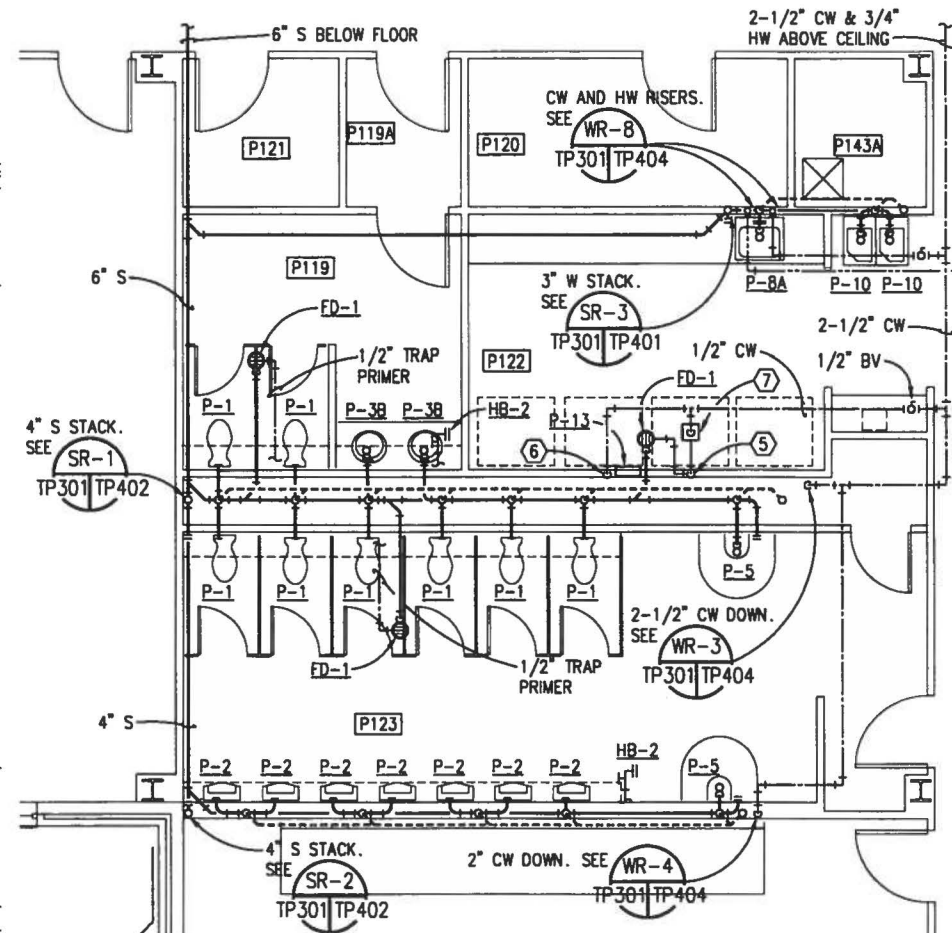




## ENLARGED FLOOR PLAN - PLUMBING

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

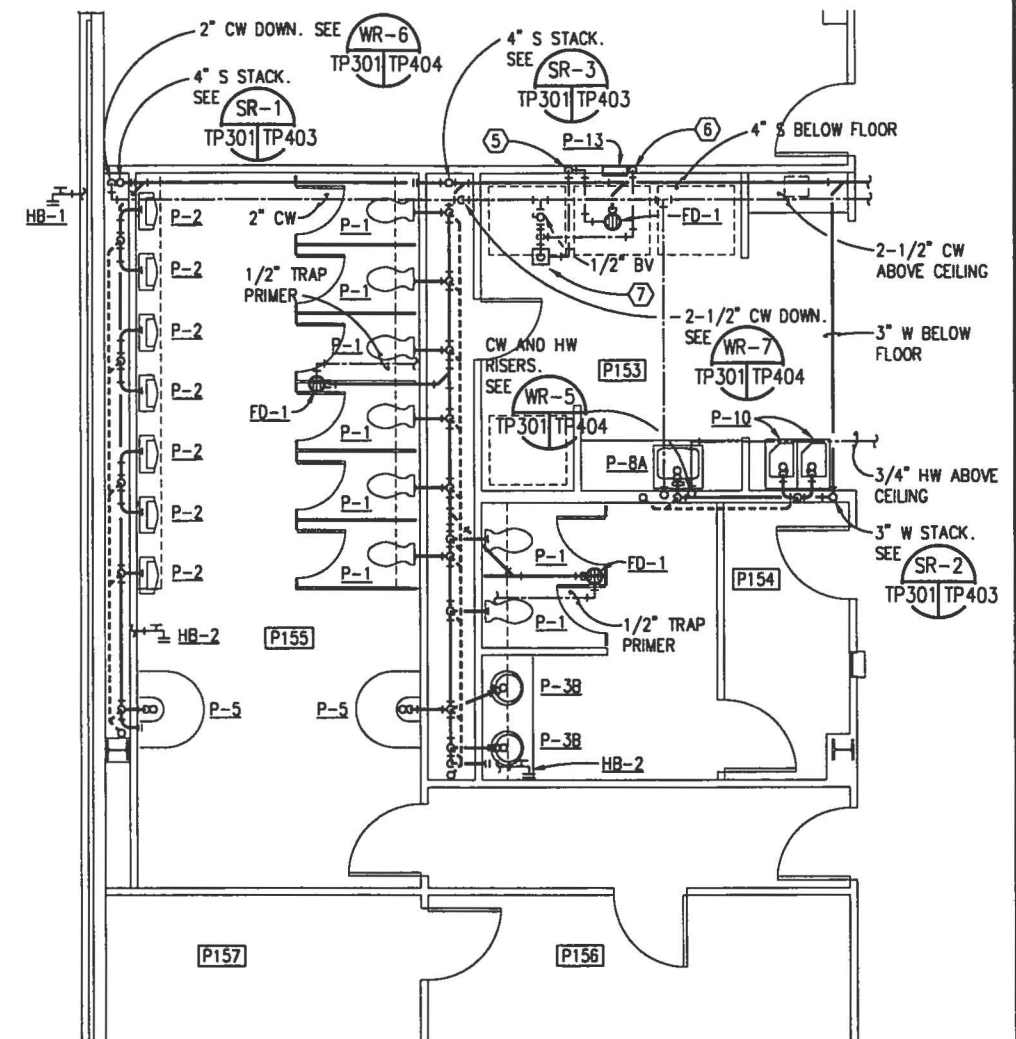
TP203 TP301



## ENLARGED FLOOR PLAN - PLUMBING

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

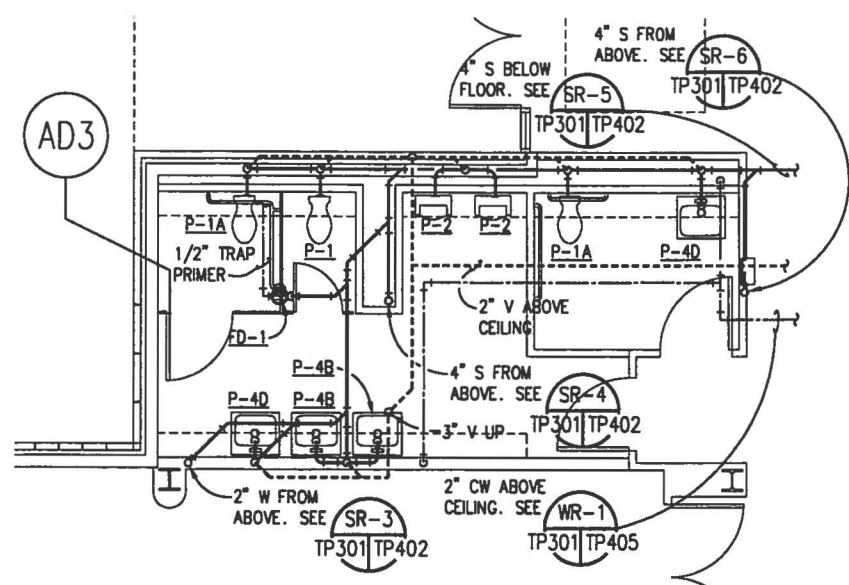
TP207 TP30



## ENLARGED FLOOR PLAN – PLUMBING

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

TP208 TP301



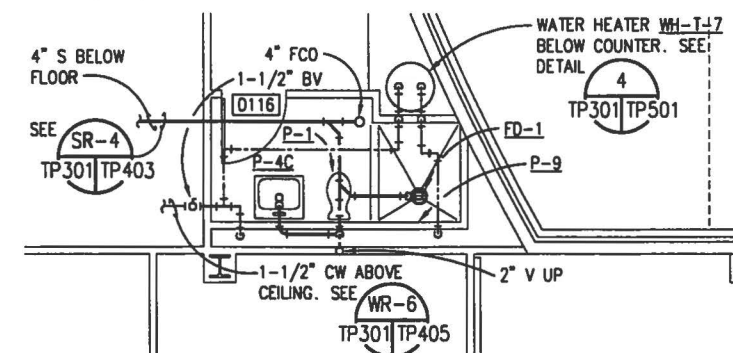
## ENLARGED FLOOR PLAN - PLUMBING

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

TP205 TP301

- ## NOTES

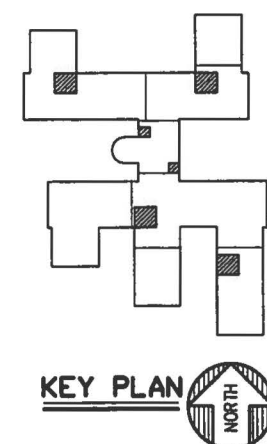
- ① 1/2" CW & HW DOWN TO SERVE P-6. PROVIDE SHOCK ABSORBER WITH AN "A" PDI RATING ON EACH LINE ABOVE CEILING AT ELBOWS DOWN TO FIXTURE.
- ② 1/2" CW DOWN TO SERVE P-5. PROVIDE SHOCK ABSORBER WITH AN "A" PDI RATING ABOVE CEILING AT ELBOW DOWN TO FIXTURE.
- ③ 1/2" CW & HW DOWN TO SERVE P-8A, 1/2" HW UP. PROVIDE SHOCK ABSORBER WITH AN "A" PDI RATING ON EACH LINE ABOVE CEILING AT ELBOWS DOWN TO FIXTURE.
- ④ 1/2" CW DOWN, 1/2" CW TO SERVE EACH P-10. PROVIDE SHOCK ABSORBER WITH AN "A" RATING ABOVE CEILING AT ELBOW DOWN TO FIXTURES.



## ENLARGED FLOOR PLAN - PLUMBING

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

TP205 TP30



## KEY PLAN



### GRAPHIC SCALE

$$1/4" = 1'-0"$$

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

## NOTES

- ① 1/2" CW DOWN TO SERVE P-5. PROVIDE SHOCK ABSORBER WITH AN "A" POI RATING ABOVE CEILING AT ELBOW DOWN TO FIXTURE.
- ② 1/2" CW DOWN TO SERVE P-8A. PROVIDE SHOCK ABSORBER WITH AN "A" POI RATING ABOVE CEILING AT ELBOW DOWN TO FIXTURE.
- ③ 1/2" CW DOWN, 1/2" CW TO SERVE EACH P-10. PROVIDE SHOCK ABSORBER WITH AN "A" POI RATING ABOVE CEILING AT ELBOW DOWN TO FIXTURES.
- ④ 1/2" TRAP PRIMER DOWN TO FD-1.
- ⑤ 1/2" CW DOWN TO P-13.
- ⑥ TRAP PRIMER VALVE.

## KEY PLAN

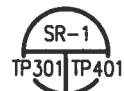
### GRAPHIC SCALE

$$1/4" = 1'-0"$$

## TRAINING FACILITY

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.





**NOT TO SCALE**

**TP4**

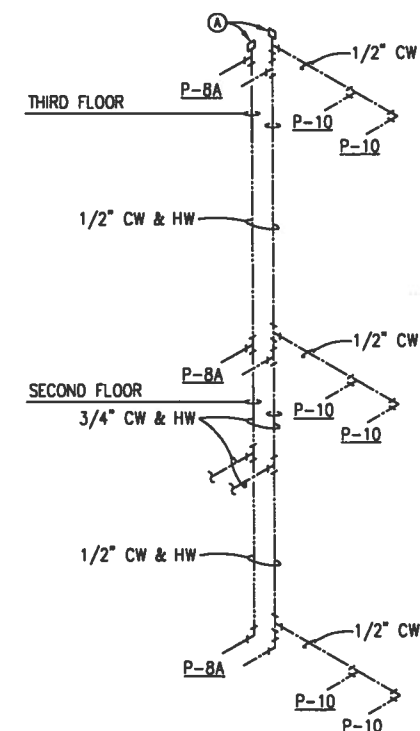
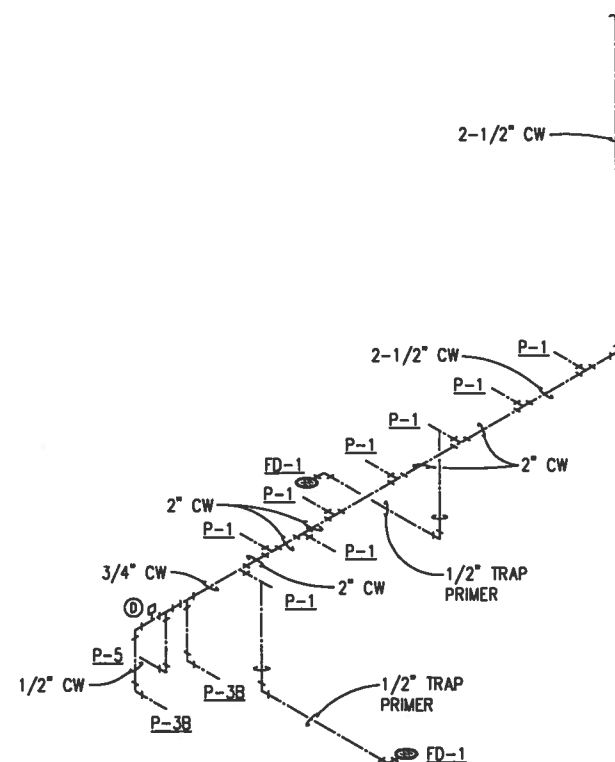
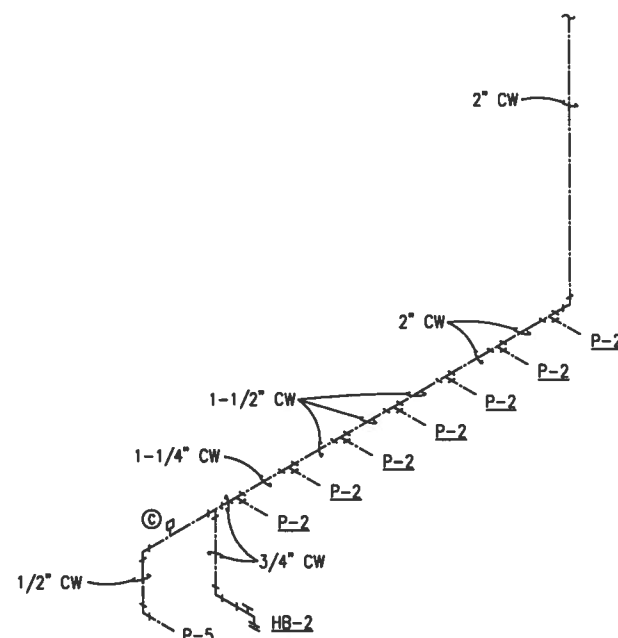
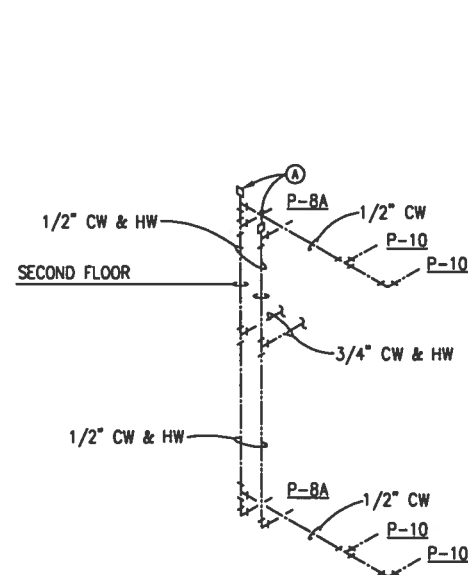
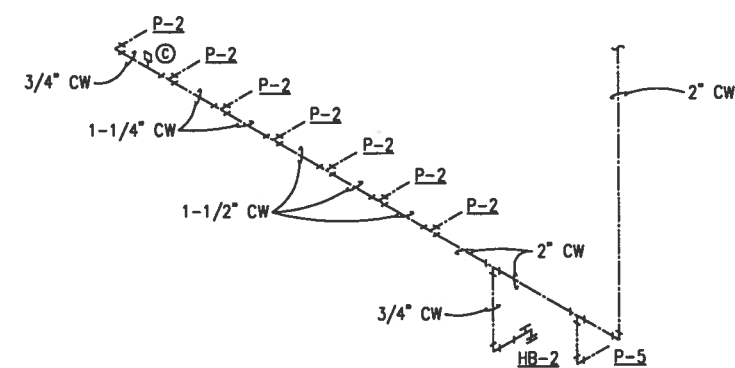
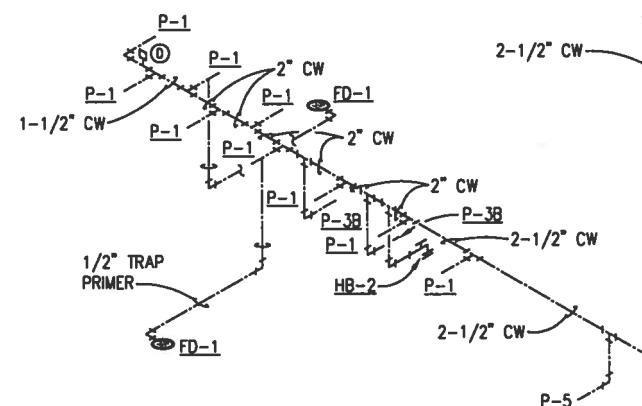
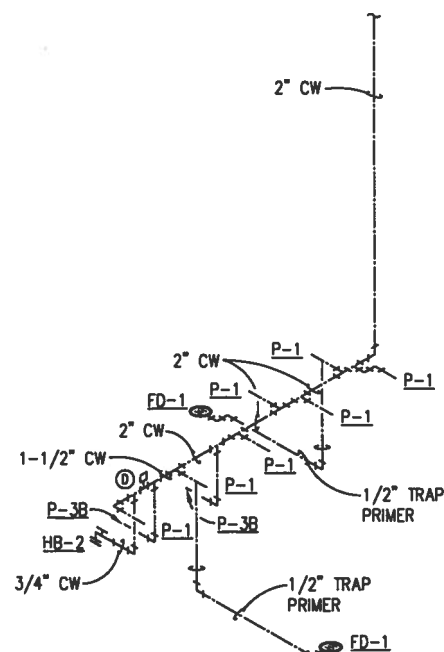
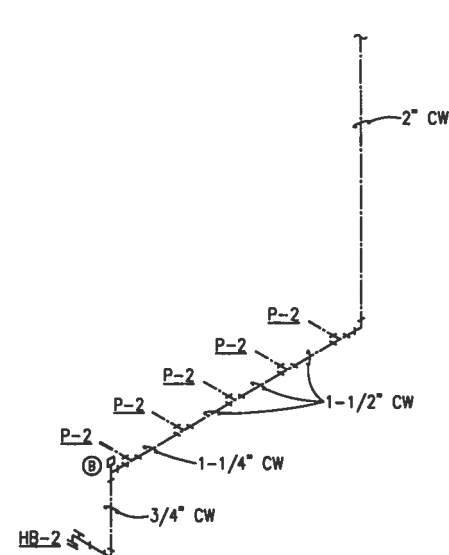






NOT TO SCALE





## DOMESTIC WATER RISER DIAGRAMS

NOT TO SCALE

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

## TRAINING FACILITY

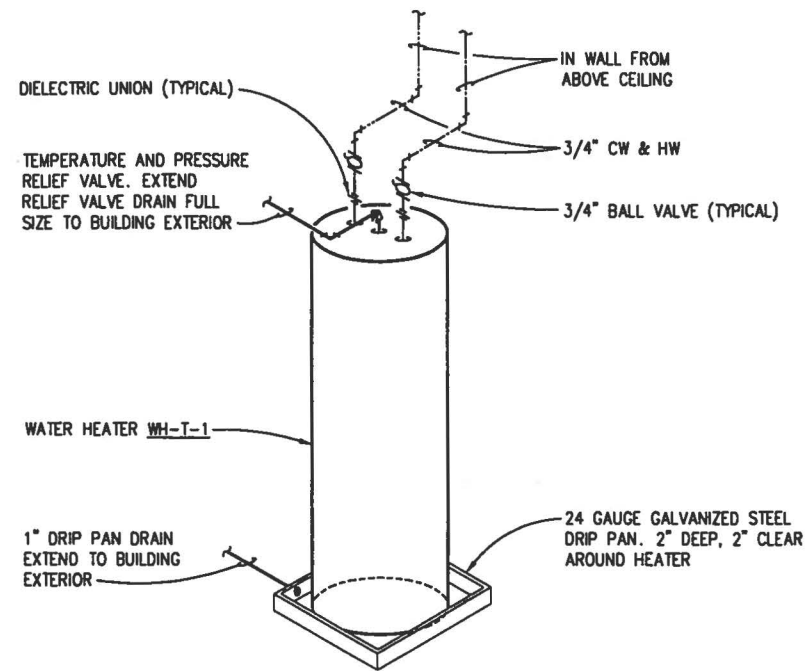
		DEPARTMENT OF THE NAVY SOUTHERN DIVISION CHARLESTON, S.C.		NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C.	
RECORD DRAWING DATE 532126		NAVAL WEAPONS STATION CHARLESTON, S.C.		REV. DESCRIPTION PREP BY DATE APPROVD	
CODE LD NO. DRAWING SIZE SPEC. NO. 06-95- INDUSTRIAL CONTRL NO. N62467-95-C NAUTIC DRAWING NO. 532126		NAVAL WEAPONS STATION CHARLESTON, S.C.		REV. DESCRIPTION PREP BY DATE APPROVD	
SHEET 388 OF		NAVAL WEAPONS STATION CHARLESTON, S.C.		REV. DESCRIPTION PREP BY DATE APPROVD	
TP40		NAVAL WEAPONS STATION CHARLESTON, S.C.		REV. DESCRIPTION PREP BY DATE APPROVD	

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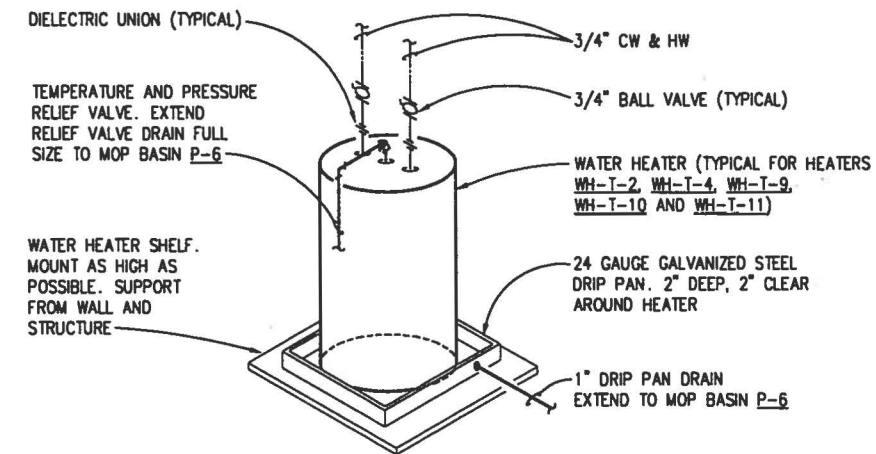


IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

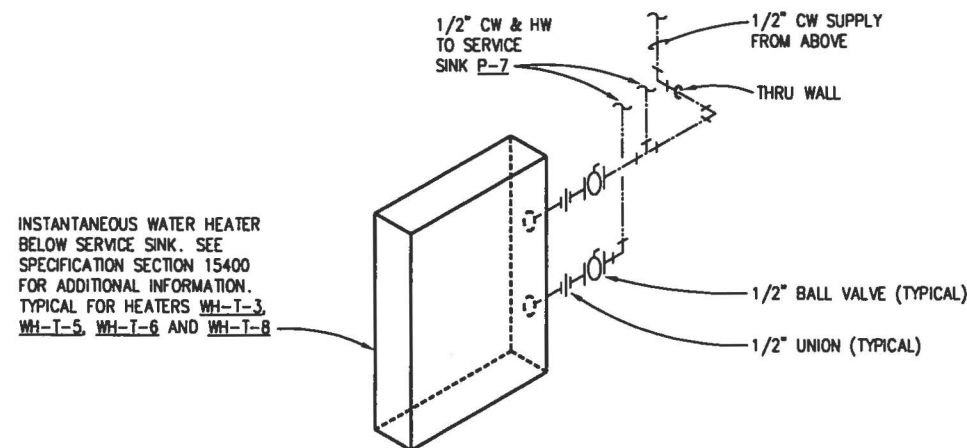




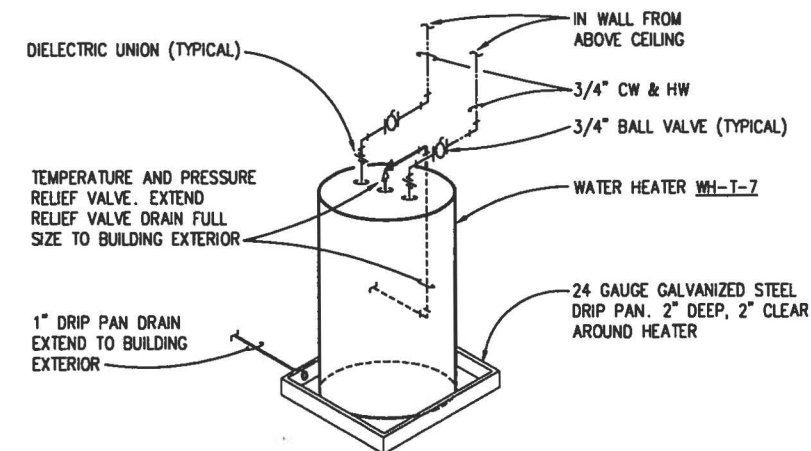
**WATER HEATER PIPING DETAIL** 1  
NOT TO SCALE TP202 TP501



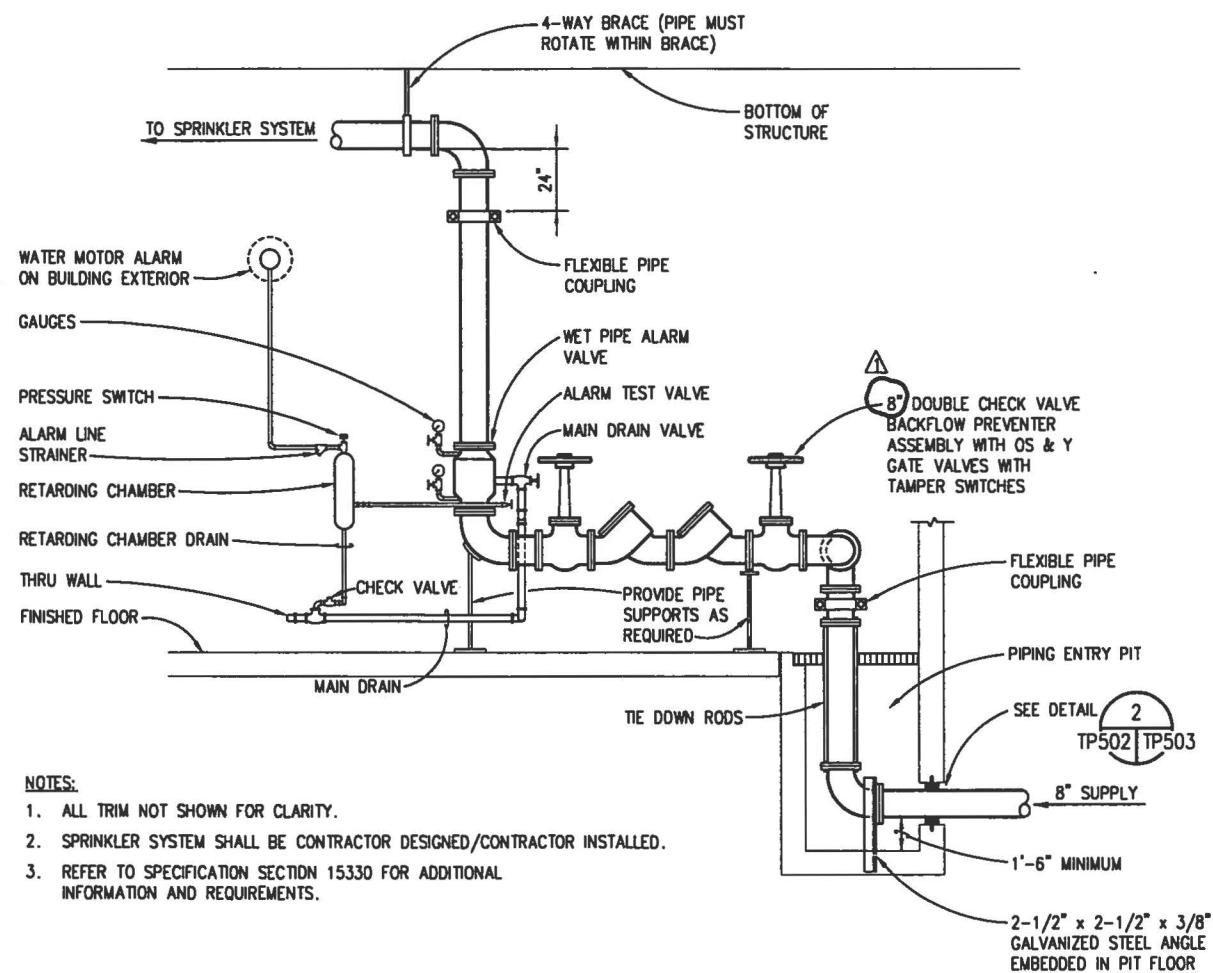
**WATER HEATER PIPING DETAIL** 2  
NOT TO SCALE TP301 TP501



**WATER HEATER PIPING DETAIL** 3  
NOT TO SCALE TP202 TP501



**WATER HEATER PIPING DETAIL** 4  
NOT TO SCALE TP301 TP501



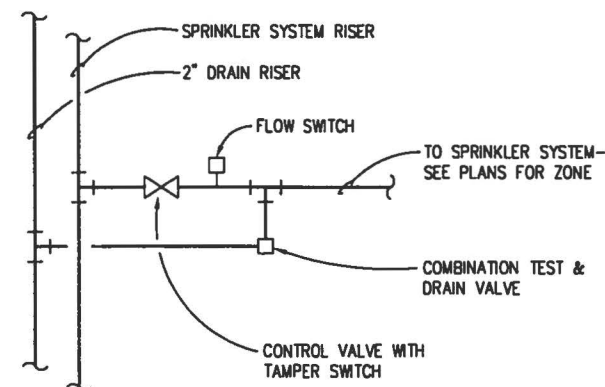
#### NOTES:

1. ALL TRIM NOT SHOWN FOR CLARITY.
2. SPRINKLER SYSTEM SHALL BE CONTRACTOR DESIGNED/CONTRACTOR INSTALLED.
3. REFER TO SPECIFICATION SECTION 15330 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

### SPRINKLER SYSTEM RISER DETAIL

NOT TO SCALE

1 TP206 TP502



#### NOTES

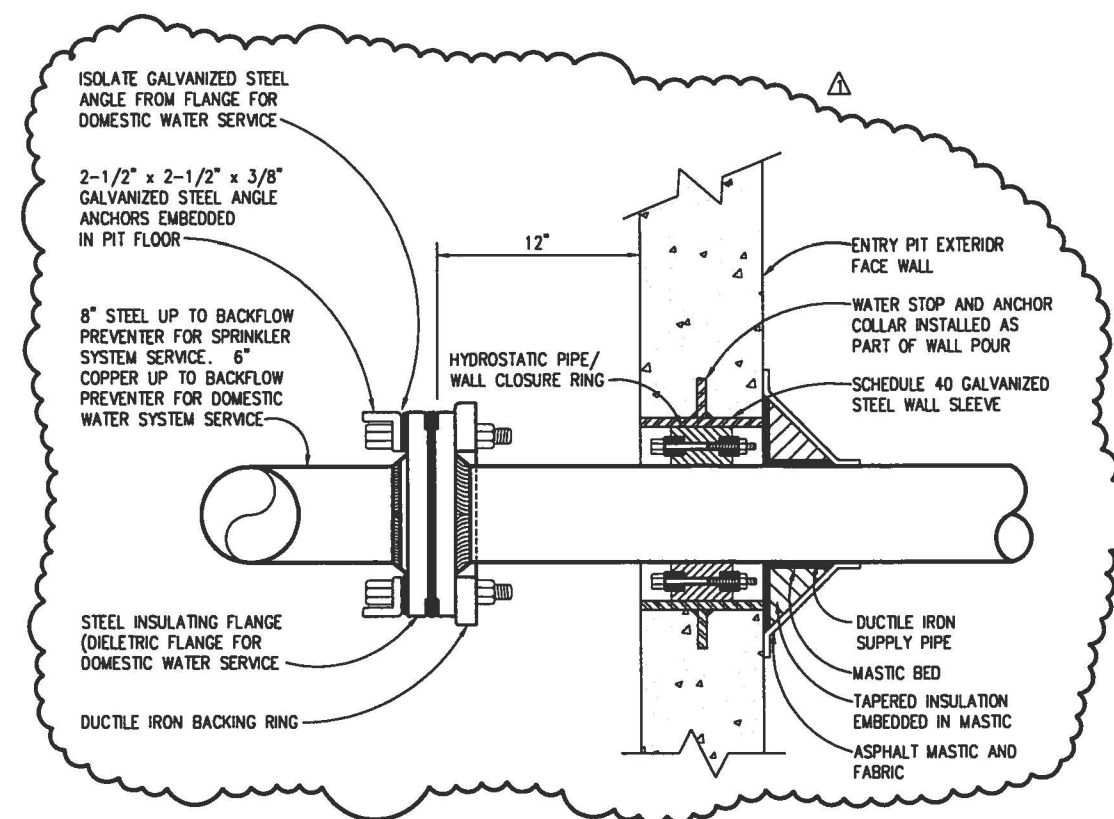
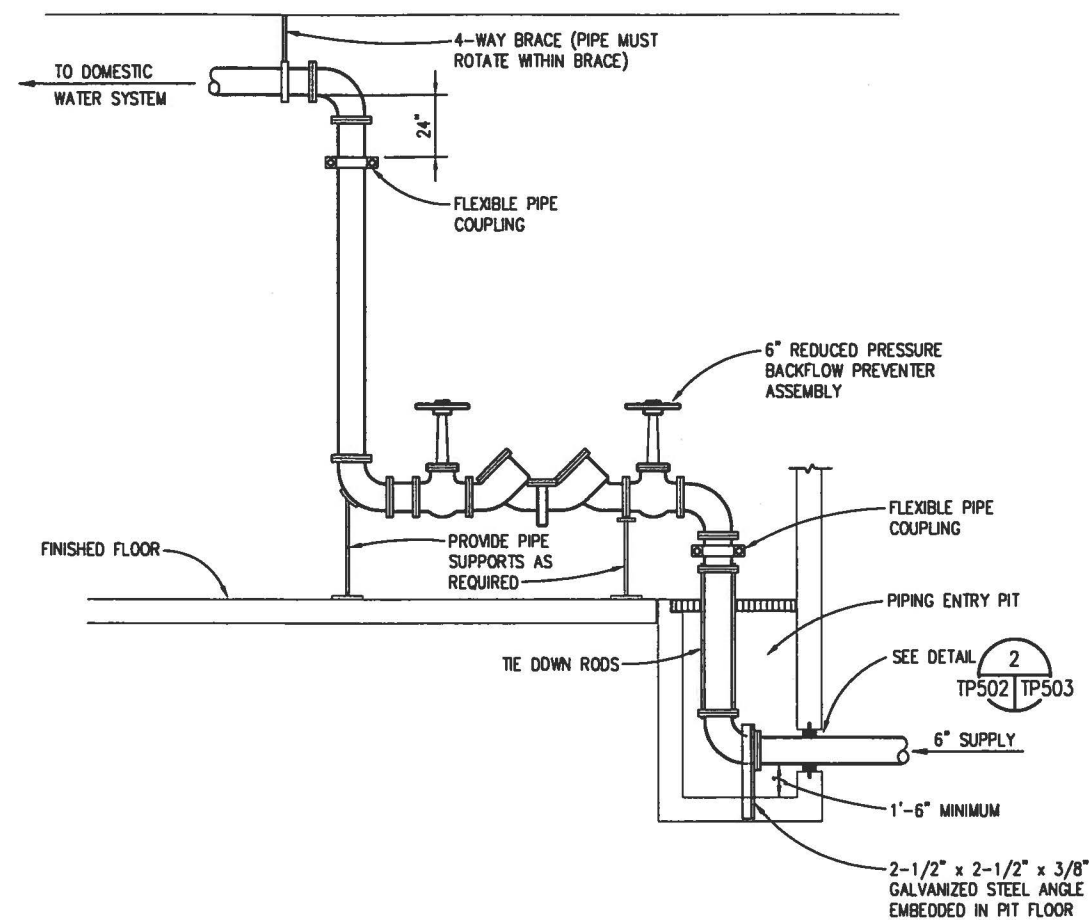
1. CAP TOP OF SPRINKLER SYSTEM RISER AND DRAIN RISER IN THE ATTIC, DOWNSTREAM OF LAST TAKE-OFFS.
2. ROUTE 2" DRAIN TO BUILDING EXTERIOR AT FIRST FLOOR.

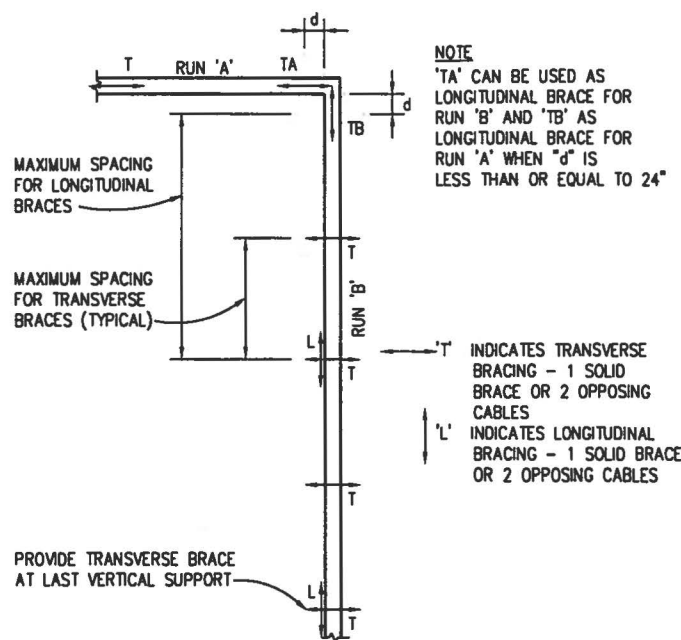
### TYPICAL SPRINKLER SYSTEM

### CONTROL STATION DETAIL

NOT TO SCALE

2 TP203 TP502





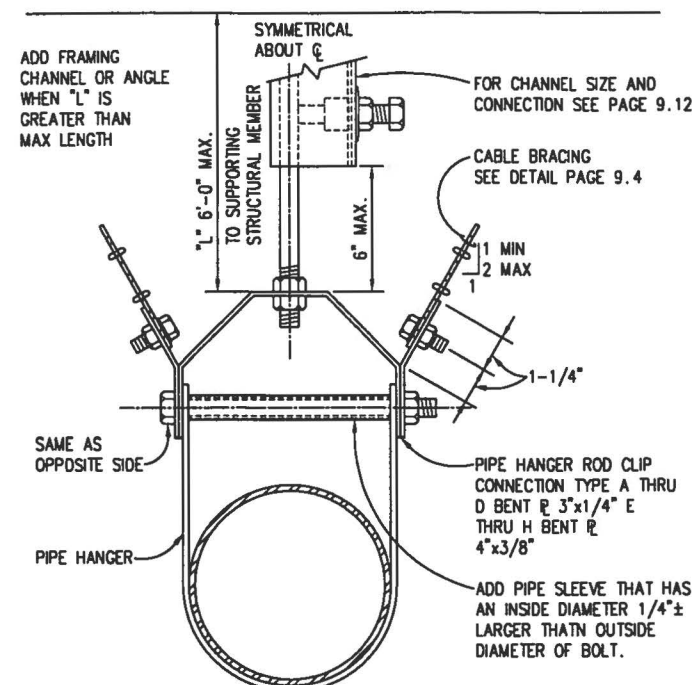
REFER TO CHAPTER 3 FOR GENERAL REQUIREMENTS FOR SPACING OF BRACES.

THIS BRACING DETAIL APPLIES ONLY FOR COLD WATER PIPE AND GAS PIPE WHERE MOVEMENT OF THE PIPE DUE TO TEMPERATURE DIFFERENTIAL IS NEGLIGIBLE.

IT IS THE RESPONSIBILITY OF THE USER OF THIS GUIDELINE TO ASCERTAIN THAT AN ADEQUATE BRACING AND ANCHORAGE DEVICE BE DESIGNED FOR PIPE WHENEVER THE MOVEMENT DUE TO THERMAL DIFFERENTIAL EXISTS.

## TYPICAL LOCATIONS OF BRACING

NOT TO SCALE



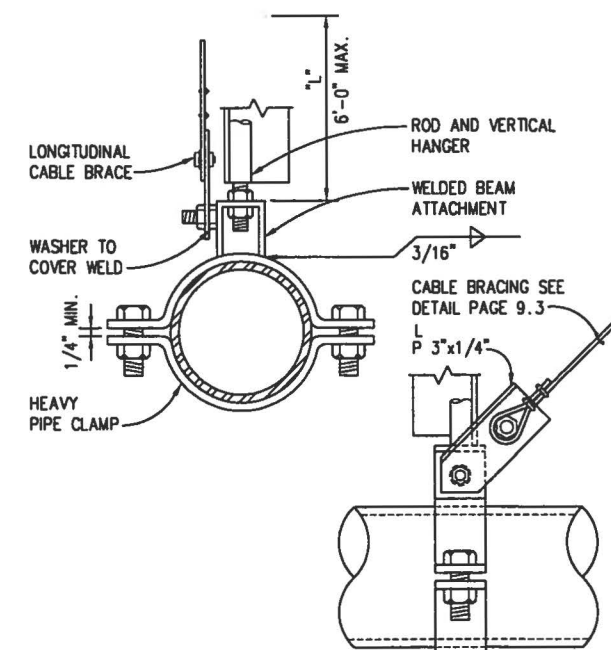
REFER TO CHAPTER 3 FOR GENERAL REQUIREMENTS

SEE PAGE 4.17 FOR LONGITUDINAL BRACES.

SEE TABLE 5-4, 6-4 OR 7-4 FOR VERTICAL HANGER, DIAGONAL BRACES, BOLT SIZE, CONNECTION TO SUPPORTING STRUCTURE, AND SPACING OF BRACING.

## CABLE BRACING FOR PIPES

NOT TO SCALE



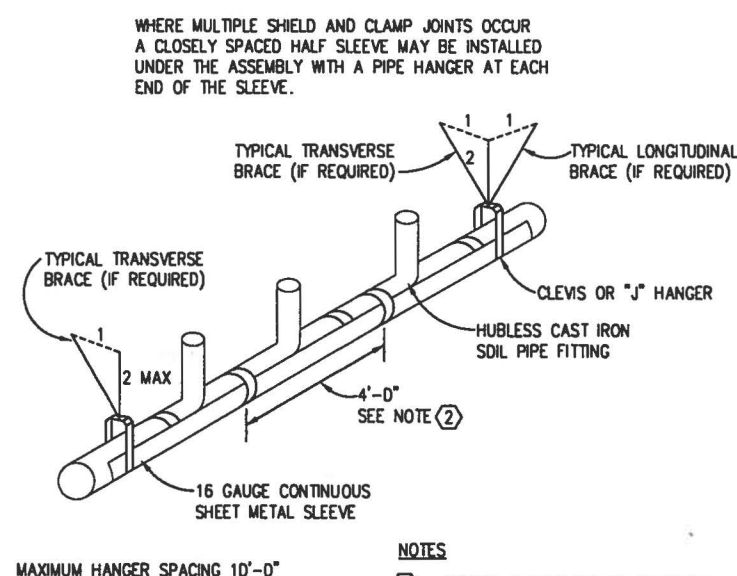
REFER TO CHAPTER 3 FOR GENERAL REQUIREMENTS FOR SPACING OF BRACES

SEE PAGE 4.12 FOR LONGITUDINAL BRACING.

SEE TABLE 5-4, 6-4 OR 7-4 FOR VERTICAL HANGERS, DIAGONAL BRACES, BOLT SIZE AND CONNECTION TO STRUCTURAL SUPPORT.

## LONGITUDINAL CABLE BRACING FOR PIPES

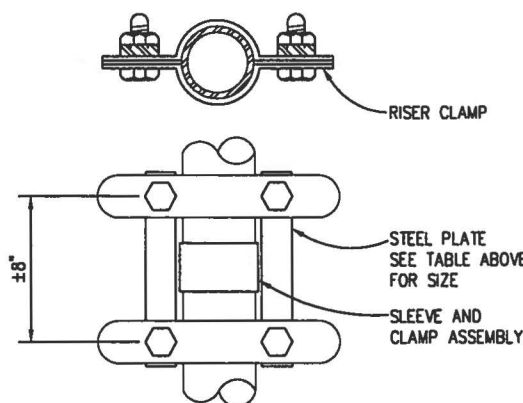
NOT TO SCALE



## HUBLESS CAST IRON PIPE

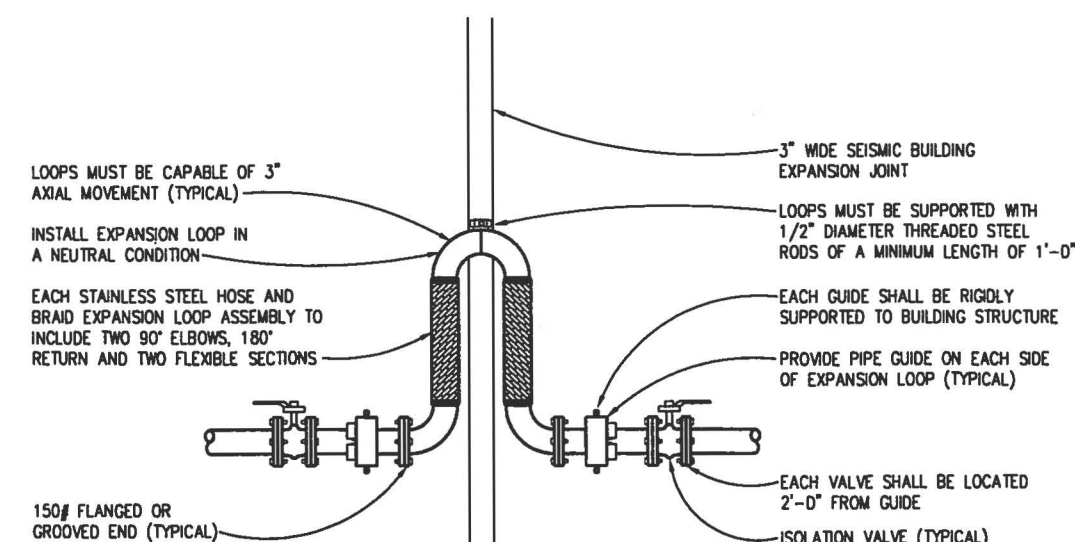
NOT TO SCALE

PIPE SIZE	PLATE SIZE	BOLT SIZE
UP TO 2"	1/4" x 1-1/4"	1/4"
2-1/2" TO 3"	1/4" x 1-1/4"	3/8"
4" & 5"	1/4" x 1-1/4"	1/2"
6"	3/8" x 1-1/2"	1/2"
8"	3/8" x 1-1/2"	5/8"



## RISER BRACING FOR HUBLESS PIPES

NOT TO SCALE



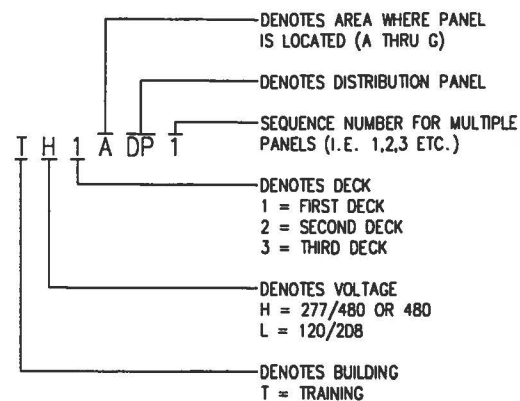
## NESTED PIPE EXPANSION JOINT COMPENSATOR DETAIL

NOT TO SCALE

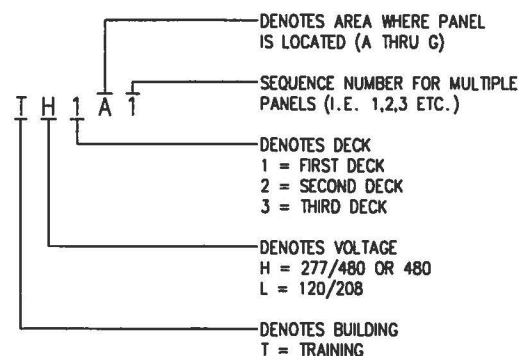
## SEISMIC NOTES

1. THE CRITERIA FOR THIS BUILDING SHALL BE BASED ON NAVFAC P-355 SEISMIC ZONE "3" AND SMACNA SEISMIC HAZARD LEVEL "C".
2. ALL PIPING SUPPORTED FROM HANGERS WHICH ARE EQUAL TO OR LESS THAN TWELVE INCHES IN LENGTH, AS MEASURED FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE STRUCTURE, ARE EXEMPT FROM SEISMIC RESTRAINT REQUIREMENTS.
3. PIPING WITH DIAMETERS LESS THAN 1-1/4 INCHES AND LOCATED IN MECHANICAL ROOMS DO NOT REQUIRE SEISMIC BRACING.
4. PIPING WITH DIAMETERS LESS THAN 2-1/2 INCHES AND LOCATED OUTSIDE OF MECHANICAL EQUIPMENT ROOMS DO NOT REQUIRE SEISMIC BRACING.
5. ALL PIPING SHALL BE INSTALLED TO MAINTAIN A MINIMUM SEPARATION OF TWO PIPE DIAMETERS OR FOUR INCHES WHICHEVER IS GREATER. IF INSTALLATION CONDITIONS PREVENT THE SPECIFIED CLEARANCE, THEN THE CONTRACTOR IS TO PROVIDE PIPE SPREADERS TO ELIMINATE POTENTIAL PIPE TO PIPE CONTACT.
6. ALL PIPES WHICH REQUIRE SEISMIC BRACING SHALL BE TRANSVERSE BRACED AT MAXIMUM 40'-0" INTERVALS AND LONGITUDINAL BRACED AT MAXIMUM 80'-0" INTERVALS.
7. ALL PIPING SHALL BE INSTALLED A MINIMUM OF THREE INCHES FROM ANY RIGID BUILDING ELEMENT.
8. BRANCH PIPE LINES CANNOT BE CONSIDERED AS BRACING.
9. PROVIDE FLEXIBLE COUPLING AT THE BASE OF EACH PIPE RISER.





DISTRIBUTION PANELS



BRANCH PANELS

## PANEL ACRONYMS

NOT TO SCALE

## ELECTRICAL LEGEND

## LIGHTING FIXTURES:

- RECESSED FLUORESCENT LIGHTING FIXTURE WITH JUNCTION BOX AND FLEXIBLE METALLIC CONDUIT CONNECTION. UPPER CASE LETTER DENOTES FIXTURE TYPE; LOWER CASE LETTER, IF SHOWN, DENOTES SWITCHING ARRANGEMENT.
- RECESSED FLUORESCENT LIGHTING FIXTURE WITH INTEGRAL EMERGENCY BATTERY UNIT.
- RECESSED FLUORESCENT LIGHTING FIXTURE, SAME AS ABOVE EXCEPT WITH PARABOLIC LOUVER.
- RECESSED PARABOLIC FLUORESCENT LIGHTING FIXTURE WITH INTEGRAL EMERGENCY BATTERY UNIT.
- RECESSED COMPACT FLUORESCENT, INCANDESCENT, OR H.I.D. LIGHTING FIXTURE
- SURFACE COMPACT FLUORESCENT LIGHTING FIXTURE
- EXIT LIGHT - PROVIDE ARROWS AS INDICATED, SHADING DENOTES ILLUMINATED FACE.
- SURFACE CEILING OR WALL MOUNTED FLUORESCENT LIGHTING FIXTURE
- SURFACE CEILING OR WALL MOUNTED FLUORESCENT LIGHTING FIXTURE WITH INTEGRAL EMERGENCY BATTERY UNIT.
- SURFACE MOUNTED COMPACT FLUORESCENT LIGHTING FIXTURE
- WALL MOUNTED H.I.D. FLOODLIGHT
- TRACK MOUNTED INCANDESCENT LIGHTING FIXTURE AND SINGLE CIRCUIT WHITE TRACK. SURFACE MOUNTED TO CEILING, U.N.O.

## WIRING DEVICES:

- \$ SINGLE POLE TOGGLE SWITCH: 20 AMP, 120/277 VOLT, IVORY, WITH IVORY PLATE; 48-INCH MOUNTING HEIGHT, U.N.O.
- \$3 THREE-WAY TOGGLE SWITCH: 20 AMP, 120/277 VOLT, IVORY, WITH IVORY PLATE; 48-INCH MOUNTING HEIGHT, U.N.O.
- \$4 FOUR-WAY TOGGLE SWITCH: 20 AMP, 120/277 VOLT, IVORY WITH IVORY PLATE; 48-INCH MOUNTING HEIGHT, U.N.O.
- D INCANDESCENT DIMMER SWITCH: 2000 WATT, IVORY WITH IVORY PLATE; 48-INCH MOUNTING HEIGHT, U.N.O.
- Df SINGLE POLE SWITCH AND FLUORESCENT DIMMER CONTROL, SLIDE TYPE, 16 AMP, 277 VOLT, IVORY. UNIT TO BE COMPATIBLE WITH PROVIDED ELECTRONIC BALLAST; 48-INCH MOUNTING HEIGHT.

Ⓢ DUPLEX RECEPTACLE: 20 AMP, 125 VOLT, 3 WIRE GROUNDING, NEMA 5-20R, IVORY, WITH IVORY PLATE; 18-INCH MOUNTING HEIGHT, U.N.O.

Ⓢ DUPLEX RECEPTACLE: SAME AS ABOVE EXCEPT MOUNTED ABOVE CEILING.

Ⓢ DOUBLE DUPLEX RECEPTACLE: TWO DUPLEX RECEPTACLES AS SPECIFIED ABOVE MOUNTED IN ONE TWO-GANG BOX WITH IVORY PLATE; 18-INCH MOUNTING HEIGHT, U.N.O.

Ⓢ SINGLE RECEPTACLE: 20 AMP, 125 VOLT, 3 WIRE GROUNDING, NEMA 5-20R, IVORY WITH IVORY PLATE; 48-INCH MOUNTING HEIGHT, U.N.O.

Ⓢ DUPLEX RECEPTACLE WITH GROUND FAULT PROTECTOR: 20 AMP, 125 VOLT, 3 WIRE, NEMA 5-20R, IVORY, WITH IVORY PLATE; 18-INCH MOUNTING HEIGHT, U.N.O.

Ⓢ DUPLEX RECEPTACLE WITH GROUND FAULT PROTECTOR: SAME AS ABOVE EXCEPT MOUNTED ABOVE COUNTER.

Ⓢ SPECIAL PURPOSE RECEPTACLE: SEE FLOOR PLANS FOR DESCRIPTION.

2 COMPARTMENT SURFACE WALL MOUNTED RACEWAY FOR POWER AND DATA.

Ⓢ MOMENTARY CONTACT EMERGENCY STOP PUSHBUTTON; 48-INCH MOUNTING HEIGHT. SEE DETAIL 2/TE001/TE415.

Ⓢ FLUSH FLOOR MOUNTED COMBINATION DUPLEX RECEPTACLE AND TELECOMMUNICATION OUTLET FOR DATA.

## WIRING SYMBOLS:

M MANUAL MOTOR STARTING SWITCH: SEE FLOOR PLANS FOR DESCRIPTION.

--- WIRING IN CONDUIT, RUN EXPOSED.

--- WIRING IN CONDUIT RUN CONCEALED BELOW FLOOR OR GRADE

--- WIRING IN CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS

HOMERUN TO PANELBOARD: NUMBER OF ARROWS DENOTES QUANTITY OF CIRCUITS. CROSSMARKS INDICATE QUANTITY OF NO. 12 CONDUCTORS. LONGER CROSSMARK DENOTES NEUTRAL CONDUCTOR. ALL RUNS CONTAIN ONE NO. 12 INSULATED GREEN EQUIPMENT GROUNDING CONDUCTOR WHICH IS NOT INCLUDED IN THE INDICATED CROSSMARKS. RUNS VOID OF CROSSMARKS ARE 1/2-INCH CONDUIT, (2) NO. 12 PLUS (1) NO. 12 GROUND, U.N.O. DO NOT COMBINE HOMERUNS EXCEPT AS SPECIFICALLY INDICATED ON THE PLAN.

## MISCELLANEOUS:

COMBINATION VOICE AND CLASSIFIED DATA COMMUNICATION OUTLET, FOR COMPLETE DESCRIPTION SEE DETAIL 3/TE001/TE509.

NON-CLASSIFIED DATA COMMUNICATIONS OUTLET, FOR COMPLETE DESCRIPTION SEE 3/TE001/TE509.

VOICE ONLY COMMUNICATION OUTLET, FOR COMPLETE DESCRIPTION SEE DETAIL 3/TE001/TE509.

LVT LINE VOLTAGE THERMOSTAT: FURNISHED UNDER DIVISION 15, INSTALLED AND CONNECTED UNDER DIVISION 16.

JUNCTION BOX

FLEXIBLE METALLIC CONDUIT CONNECTION TO EQUIPMENT.

MOTOR, FAN, PUMP OR AIR CONDITIONING UNIT.

CABLE TV OUTLET: 4-INCH SQUARE JUNCTION BOX WITH SINGLE GANG EXTENSION AND IVORY COVERPLATE WITH A SINGLE FEMALE THREADED F-81 CONNECTOR. PROVIDE A 3/4" CONDUIT HOMERUN WITH ONE RG-6 COAX CABLE FROM OUTLET TO CABLE TV BACKBOARD AT ROOM P1038 WITH 10'-0" SLACK COILED AT BOARD. 18-INCH MOUNTING HEIGHT.

277/480 VOLT PANELBOARD

120/208 VOLT PANELBOARD

240 VOLT DIRECT CURRENT PANELBOARD

NON-FUSED SAFETY SWITCH: "3/30" DENOTES POLE/AMP RATING; OASHED DENOTES FURNISHED WITH EQUIPMENT, NEMA 3R AT ALL OUTDOOR LOCATIONS.

FUSED SAFETY SWITCH: "3/30" DENOTES POLE/FUSE RATING; DASHED DENOTES FURNISHED WITH EQUIPMENT, NEMA 3R AT ALL OUTDOOR LOCATIONS.

Ⓢ COMBINATION NON-FUSED DISCONNECT SWITCH AND MAGNETIC MOTOR STARTER. SEE STARTER SCHEDULE SHEET TE601 FOR DESCRIPTIONS.

WP DENOTES WEATHERPROOF

UNO UNLESS NOTED OTHERWISE

DN DOWN

AFB ABOVE FINISHED FLOOR

Ⓢ DENOTES NOTE REFERENCE

Ⓢ DENOTES EQUIPMENT REFERENCE

Ⓢ DENOTES FEEDER REFERENCE

## SOUND SYSTEM:

Ⓢ SURFACE MOUNTED SOUND SYSTEM SPEAKER: MOUNT 12'-0" ABOVE FLOOR.

Ⓢ WALL MOUNTED SOUND SYSTEM MICROPHONE OUTLET: 18-INCH MOUNTING HEIGHT.

Ⓢ FLUSH FLOOR MOUNTED COMBINATION DUPLEX RECEPTACLE AND MICROPHONE OUTLET. SEE DETAIL 2/TE001/TE410.

## INTERCOM SYSTEM:

Ⓢ REMOTE INTERCOM STATION: FLUSH WALL MOUNTED SPEAKER WITH INTEGRAL DIGITAL CLOCK, 8'-0" MOUNTING HEIGHT AND INTERCOM CALL-IN/PRIVACY SWITCH LOCATED 48-INCHES ABOVE FLOOR DIRECTLY BELOW SPEAKER.

## SECURITY:

Ⓢ BALANCED MAGNETIC DOOR CONTACT.

Ⓢ JUNCTION BOX FOR FUTURE ELECTRIC DOOR STRIKE. 4-INCH SQUARE JUNCTION BOX WITH SINGLE GANG EXTENSION AND BLANK IVORY COVER LOCATED DIRECTLY ADJACENT TO DOOR FRAME AT HEIGHT CORRESPONDING TO HINGE OR DOOR STRIKE AS NOTED ON PLAN.

Ⓢ JUNCTION BOX FOR FUTURE CARD READER. 4-INCH SQUARE JUNCTION BOX WITH SINGLE GANG EXTENSION RING AND BLANK IVORY COVER; 48-INCH MOUNTING HEIGHT.

## FIRE ALARM SYSTEM:

Ⓢ MANUAL FIRE ALARM PULL STATION: 48-INCH MOUNTING HEIGHT, U.N.O.

Ⓢ FIRE ALARM REMOTE AUDIBLE ALARM: 7-FOOT, 6-INCH MOUNTING HEIGHT, U.N.O. SEE DETAIL 3/TE001/TE505.

Ⓢ FIRE ALARM HIGH OUTPUT AUDIOVISUAL ALARM: 7-FOOT, 6-INCH MOUNTING HEIGHT, U.N.O.

Ⓢ DUCT MOUNTED FIRE ALARM SMOKE DETECTOR.

Ⓢ SURFACE MOUNTED FIRE ALARM SYSTEM SMOKE DETECTOR.

Ⓢ SURFACE MOUNTED HIGH VELOCITY FIRE ALARM SMOKE DETECTOR.

Ⓢ FIRE ALARM CONTROL MODULE.

Ⓢ FIRE ALARM MONITOR MODULE.

Ⓢ FIRE ALARM MAGNETIC DOOR HOLDER. 120 VOLT DOOR HOLDER SPECIFIED UNDER DIVISION 8, RELEASED BY A FIRE ALARM CONTROL MODULE.

Ⓢ SPRINKLER SYSTEM PRESSURE SWITCH.

Ⓢ SPRINKLER SYSTEM FLOW SWITCH.

Ⓢ SPRINKLER SYSTEM TAMPER SWITCH.

## LIGHTNING PROTECTION:

(SEE SHEET TE249)

## RISER/WIRING DIAGRAMS:

Ⓢ CIRCUIT BREAKER

Ⓢ PANELBOARD MAIN LUGS

Ⓢ CIRCUIT BREAKER UNDERVOLTAGE RELEASE COIL

Ⓢ DISCONNECT SWITCH

Ⓢ FUSED DISCONNECT SWITCH

Ⓢ CIRCUIT BREAKER GROUND FAULT PROTECTION.

Ⓢ NORMALLY OPEN CONTACT

Ⓢ NORMALLY CLOSED CONTACT

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REVISIONS	DATE	APPROVED	BY
1	7/26/96	K. BEAVERS	
GENERAL REVISIONS			
SOUTHERN DIVISION			
CHARLESTON, S.C.			
NAVAL WEAPONS STATION			
NNPTC TRAINING COMPLEX			
RECORD DRAWING DATE			
CODE LD NO.			
DRAWING SIZE: 06-95-			
CONSTRUCTION CONT. NO. N62467-95-C			
NAVFAC DRAWING NO. 532128			
SHEET 394 OF			

**PART A**

**LIGHTING**  
1ST DECK SHEET TE202  
2ND DECK SHEET TE209  
3RD DECK SHEET TE216

**POWER**  
1ST DECK SHEET TE222  
2ND DECK SHEET TE229  
3RD DECK SHEET TE236  
ATTIC DECK SHEET TE242

**PART C**

**LIGHTING**  
1ST DECK SHEET TE204  
2ND DECK SHEET TE211  
3RD DECK SHEET TE218

**POWER**  
1ST DECK SHEET TE224  
2ND DECK SHEET TE231  
3RD DECK SHEET TE238  
ATTIC DECK SHEET TE244

**PART B**

**LIGHTING**  
1ST DECK SHEET TE203  
2ND DECK SHEET TE210  
3RD DECK SHEET TE217

**POWER**  
1ST DECK SHEET TE223  
2ND DECK SHEET TE230  
3RD DECK SHEET TE238  
ATTIC DECK SHEET TE243

**PART D**

**LIGHTING**  
1ST DECK SHEET TE205  
2ND DECK SHEET TE212  
3RD DECK SHEET TE219

**POWER**  
1ST DECK SHEET TE225  
2ND DECK SHEET TE232  
3RD DECK SHEET TE239  
ATTIC DECK SHEET TE245

**PART F**

**LIGHTING**  
1ST DECK SHEET TE207  
2ND DECK SHEET TE214  
3RD DECK SHEET TE221

**POWER**  
1ST DECK SHEET TE227  
2ND DECK SHEET TE234  
3RD DECK SHEET TE241  
ATTIC DECK SHEET TE247

**PART E**

**LIGHTING**  
1ST DECK SHEET TE206  
2ND DECK SHEET TE213  
3RD DECK SHEET TE220

**POWER**  
1ST DECK SHEET TE226  
2ND DECK SHEET TE233  
3RD DECK SHEET TE240  
ATTIC DECK SHEET TE246

MAIN CER  
AT FIRST DECK

MAIN ELECTRIC  
ROOM AT  
FIRST DECK

SHADING TYPICALLY DENOTES  
AN ELECTRIC AND/OR  
COMMUNICATIONS EQUIPMENT ROOM

**PART G**

**LIGHTING**  
1ST DECK SHEET TE208  
2ND DECK SHEET TE215

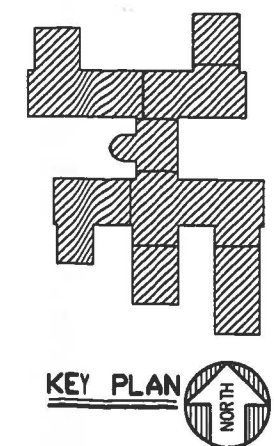
**POWER**  
1ST DECK SHEET TE228  
2ND DECK SHEET TE235  
ATTIC DECK SHEET TE248

**COMPOSITE FLOOR PLAN - ELECTRICAL**

SCALE: 1"=30'-0"



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



GRAPHIC SCALE

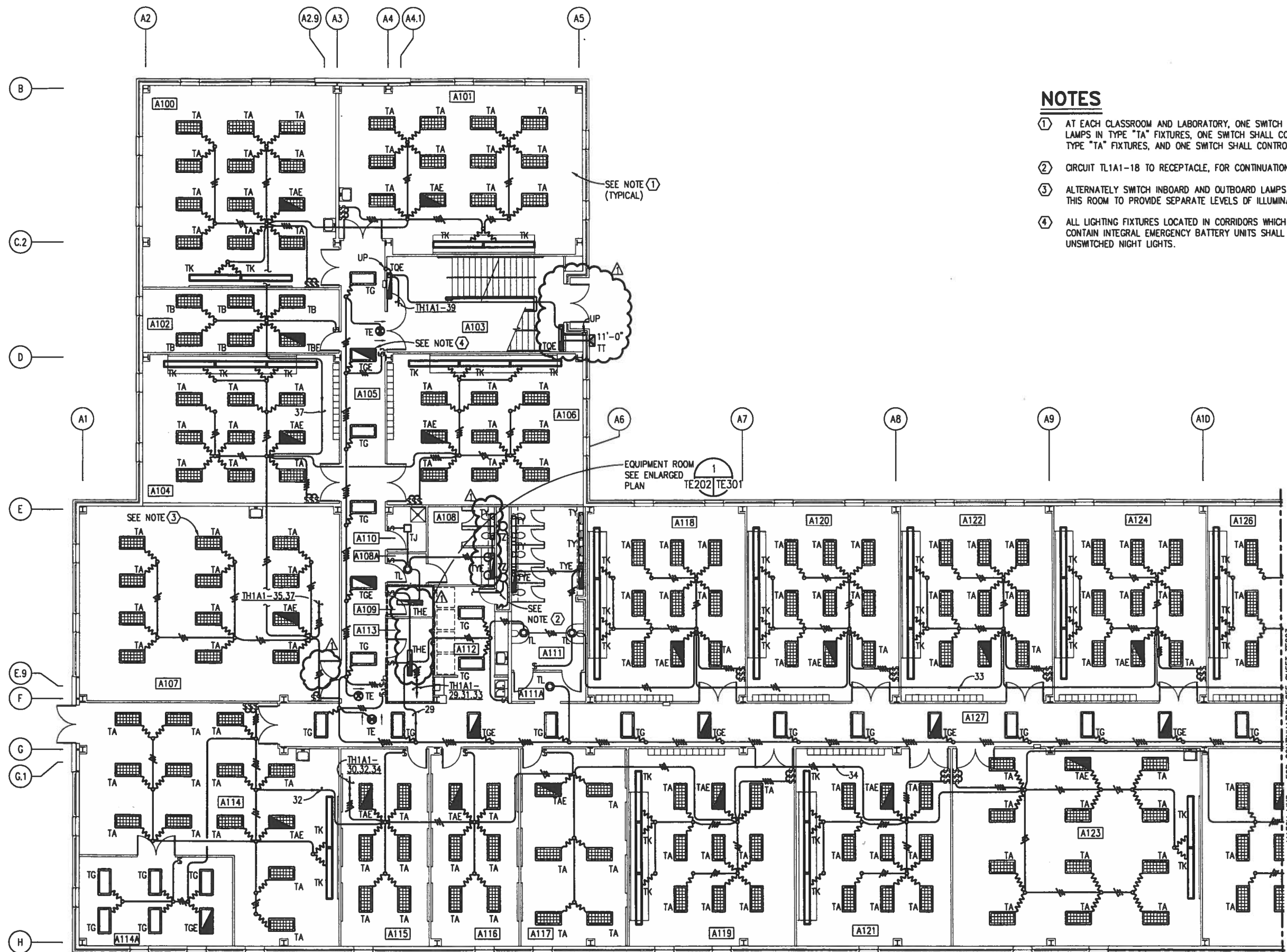
1" = 30'

TRAINING FACILITY

REV.	DESCRIPTION	PREP BY	DATE	APPROV
1	GENERAL REVISIONS	K. BEAVERS	7/26/96	CRW
REVISIONS OF RECORD K&B Architects, Inc. 30 North Main Street Jacksonville, Florida 32202 DATE: 7/26/96 DRAWN BY: MORLEY CHECKED BY: PHILLIPS				
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C. NAVAL WEAPONS STATION NNPTC TRAINING COMPLEX CHARLESTON, S.C.				
SEAL AREA AUTHORIZED PERSONNEL ONLY No. 31 REGISTERED ELECTRICAL ENGINEER RECORD DRAWING DATE CODE LD NO. DRAWING SIZE: SPEC. NO. 06-95 CONSTRUCTION NO. N62467-95-1 NAVFAC DRAWING NO. 532128 SHEET 395 OF 395				

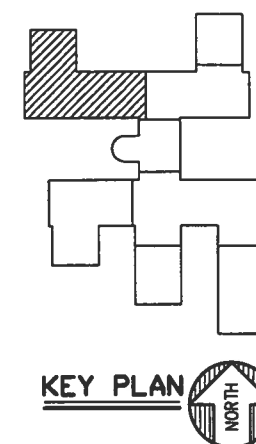
TE20





- ## NOTES

- ① AT EACH CLASSROOM AND LABORATORY, ONE SWITCH SHALL CONTROL OUTBOARD LAMPS IN TYPE "TA" FIXTURES, ONE SWITCH SHALL CONTROL CENTER LAMP IN TYPE "TA" FIXTURES, AND ONE SWITCH SHALL CONTROL TYPE "TK" FIXTURES.
- ② CIRCUIT TL1A1-18 TO RECEPTACLE, FOR CONTINUATION SEE SHEET TE222.
- ③ ALTERNATELY SWITCH INBOARD AND OUTBOARD LAMPS WITHIN EACH FIXTURE IN THIS ROOM TO PROVIDE SEPARATE LEVELS OF ILLUMINATION.
- ④ ALL LIGHTING FIXTURES LOCATED IN CORRIDORS WHICH CONTAIN INTEGRAL EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED NIGHT LIGHTS.



### GRAPHIC SCALE

$$1/8'' = 1'-0''$$

6' 3' 0 6' 12' 1

### FIRST DECK PLAN - AREA A - LIGHTING

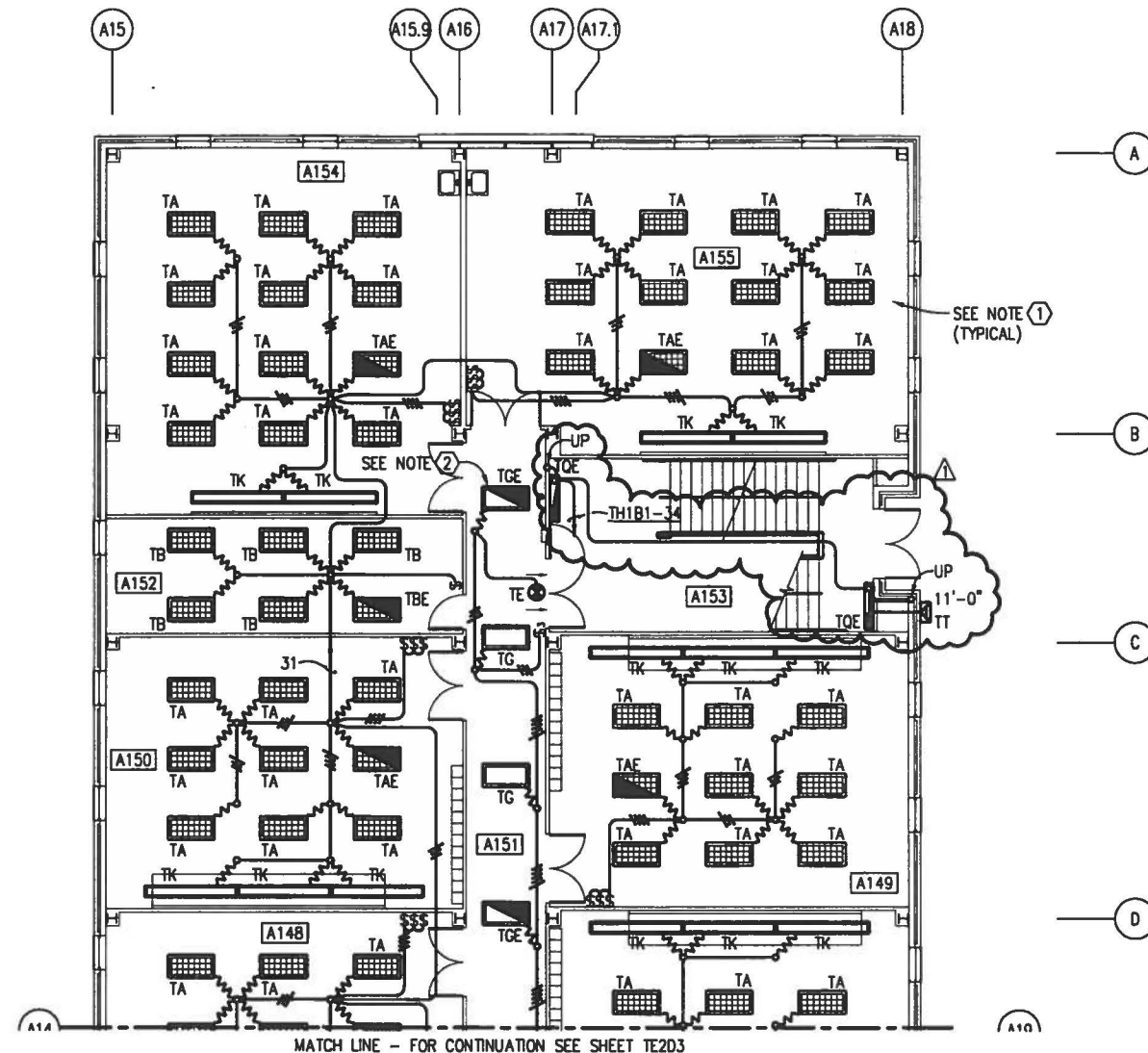
SCALE: 1/8"=1'-0"



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

DEPARTMENT OF THE NAVY		NAVAL FACILITIES ENGINEERING COMMAND		REV.		DESCRIPTION		PREP BY		DATE		APPRVD		CDR OF RECORD	
SOUTHERN DIVISION		CONSTRUCTION, S.C.		A		GENERAL REVISIONS		K. BEAVERS		7/26/96		C.K.M.		KBI Architects, Inc. 30 North 4th Street Jacksonville, Florida 32202	
NAVAL WEAPONS STATION		CHARLESTON, S.C.												AAC00001	
NNPTC TRAINING COMPLEX														ON PHILLIPS	
SEAL AREA		DRAWING DATE		DRAWING SIZE		SPEC. NO.		CONSTRUCTION CONTROL NO.		NAVFAC DRAWING NO.		SHEET		OF	
RECORD DRAWING DATE		CODE LD NO.		DRAWING SIZE		SPEC. NO.		CONSTRUCTION CONTROL NO.		NAVFAC DRAWING NO.		SHEET		OF	
3/96		06-95		N62467-95-		53212		396		TF20					





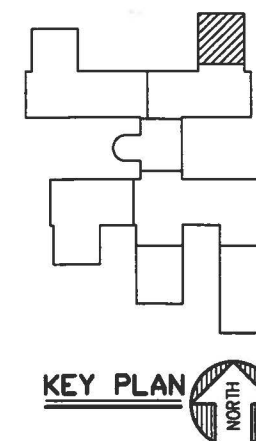
### FIRST DECK PLAN - AREA C - LIGHTING

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



## NOTES

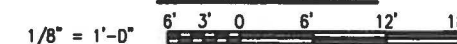
- ① AT EACH CLASSROOM AND LABORATORY, ONE SWITCH SHALL CONTROL OUTBOARD LAMPS IN TYPE "TA" FIXTURES, ONE SWITCH SHALL CONTROL CENTER LAMP IN TYPE "TA" FIXTURES, AND ONE SWITCH SHALL CONTROL TYPE "TK" FIXTURES.
- ② ALL LIGHTING FIXTURES LOCATED IN CORRIDORS WHICH CONTAIN INTEGRAL EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED NIGHT LIGHTS.



### KEY PLAN



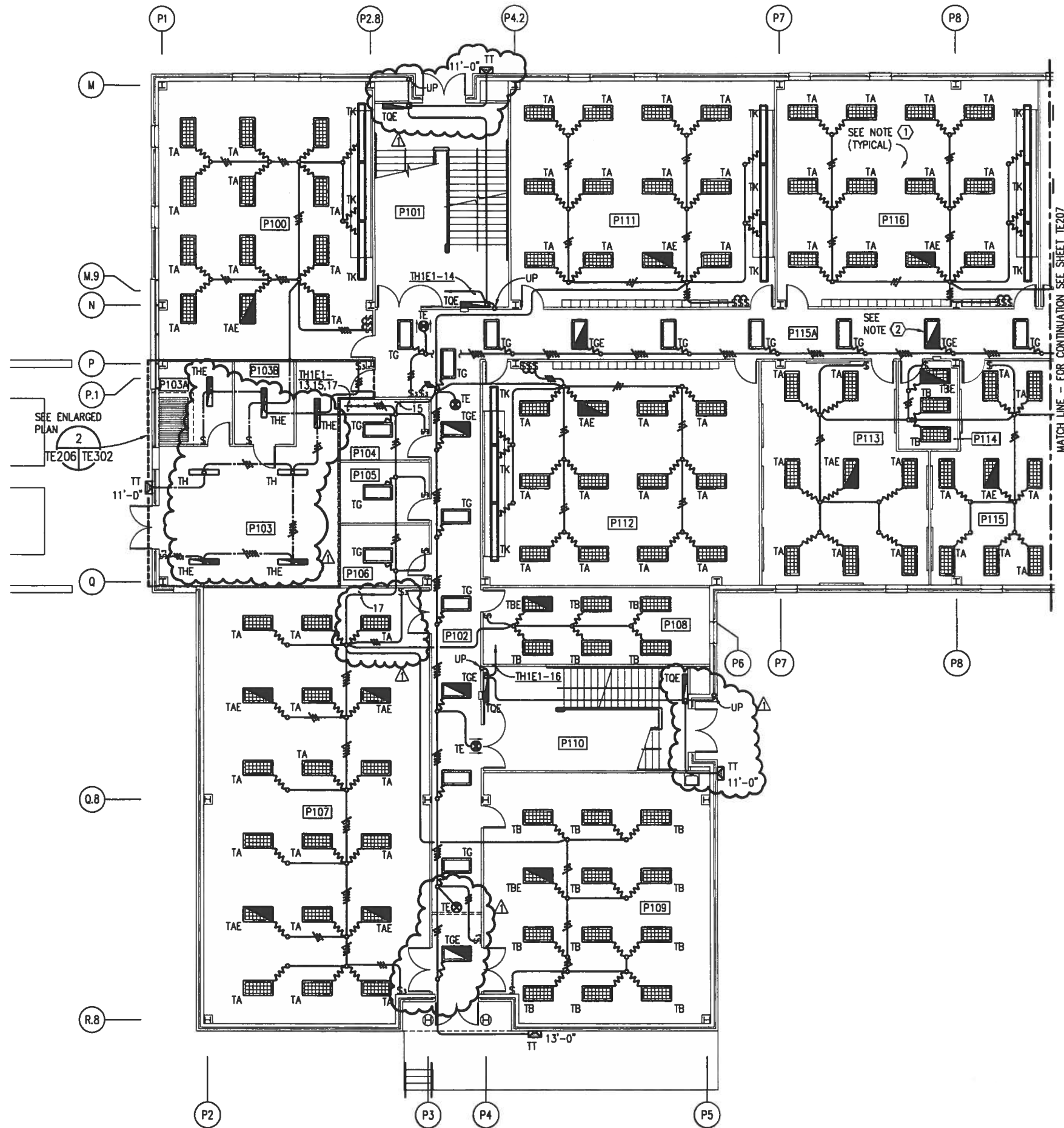
### GRAPHIC SCALE



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

## TRAINING FACILITY





# FIRST DECK PLAN - AREA E - LIGHTING

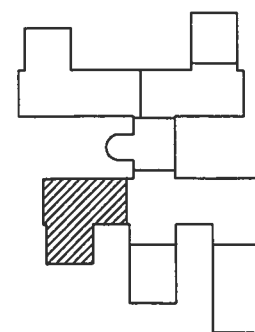
SCALE: 1/8"=1'-0"



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

## NOTES

- AT EACH CLASSROOM AND GROUP STUDY, ONE SWITCH SHALL CONTROL OUTBOARD LAMPS IN TYPE "TA" FIXTURES, ONE SWITCH SHALL CONTROL CENTER LAMP IN TYPE "TA" FIXTURES, AND ONE SWITCH SHALL CONTROL TYPE "TK" FIXTURES.
- ALL LIGHTING FIXTURES LOCATED IN CORRIDORS WHICH CONTAIN INTEGRAL EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED NIGHT LIGHTS.



KEY PLAN



GRAPHIC SCALE

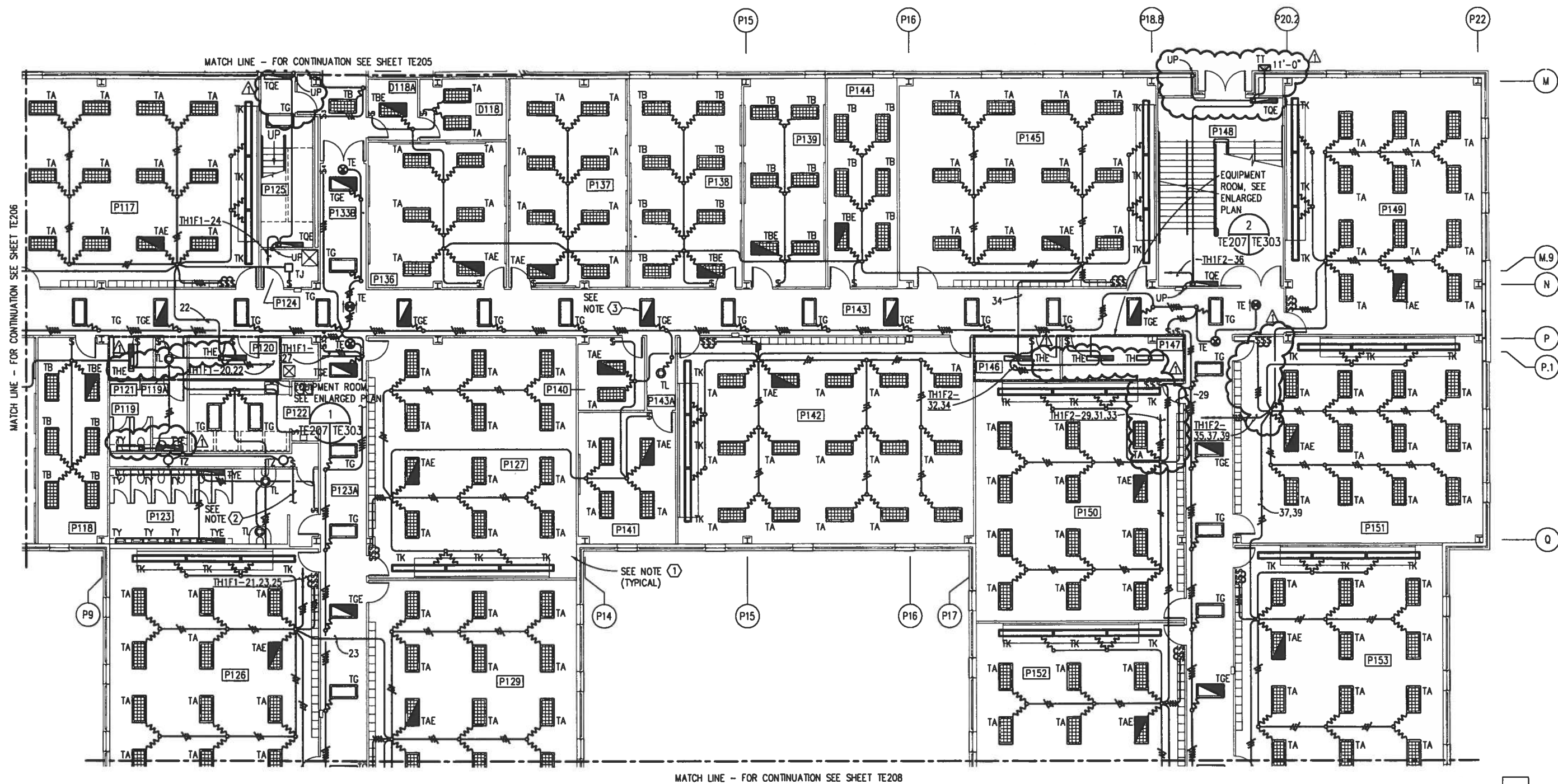
1/8" = 1'-0"

6' 3' 0' 6' 12' 18'

TRAINING FACILITY

REV.	DESCRIPTION	PREP BY	DATE	APPROV
1	GENERAL REVISIONS	K. BEAVERS	7/26/95	EA/71
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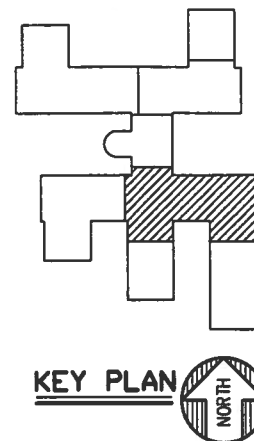


# FIRST DECK PLAN - AREA F - LIGHTING

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

## NOTES

- ① AT EACH CLASSROOM, GROUP STUDY AND LABORATORY, ONE SWITCH SHALL CONTROL OUTBOARD LAMPS IN TYPE "TA" FIXTURES, ONE SWITCH SHALL CONTROL CENTER LAMP IN TYPE "TA" FIXTURES, AND ONE SWITCH SHALL CONTROL TYPE "TK" FIXTURES.
- ② CIRCUIT TL1F1-8 TO RECEPTACLE, FOR CONTINUATION SEE SHEET TE227.
- ③ ALL LIGHTING FIXTURES LOCATED IN CORRIDORS WHICH CONTAIN INTEGRAL EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED NIGHT LIGHTS.



## GRAPHIC SCALE

1/8" = 1'-0"

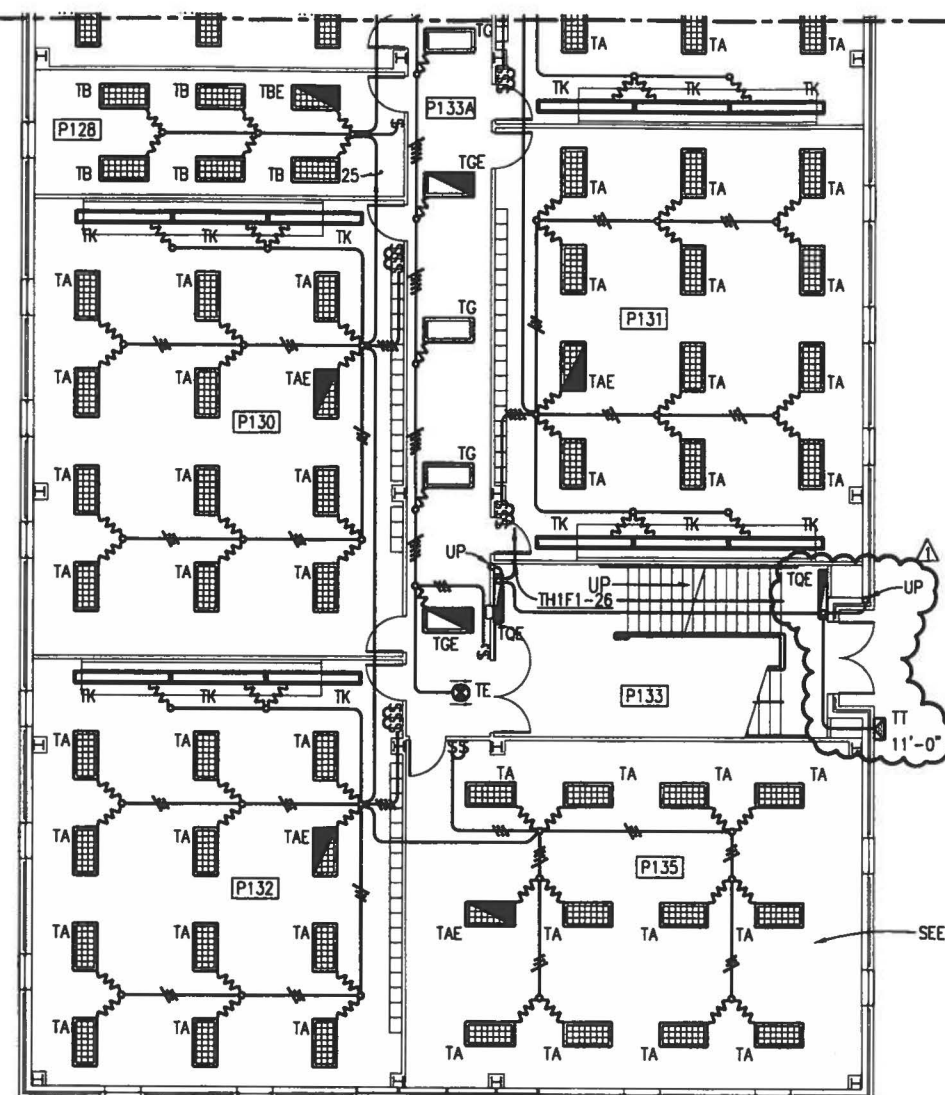
IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REV.	DESCRIPTION	DATE	APPROVED
1	GENERAL REVISIONS	7/25/95	K. BEAVERS
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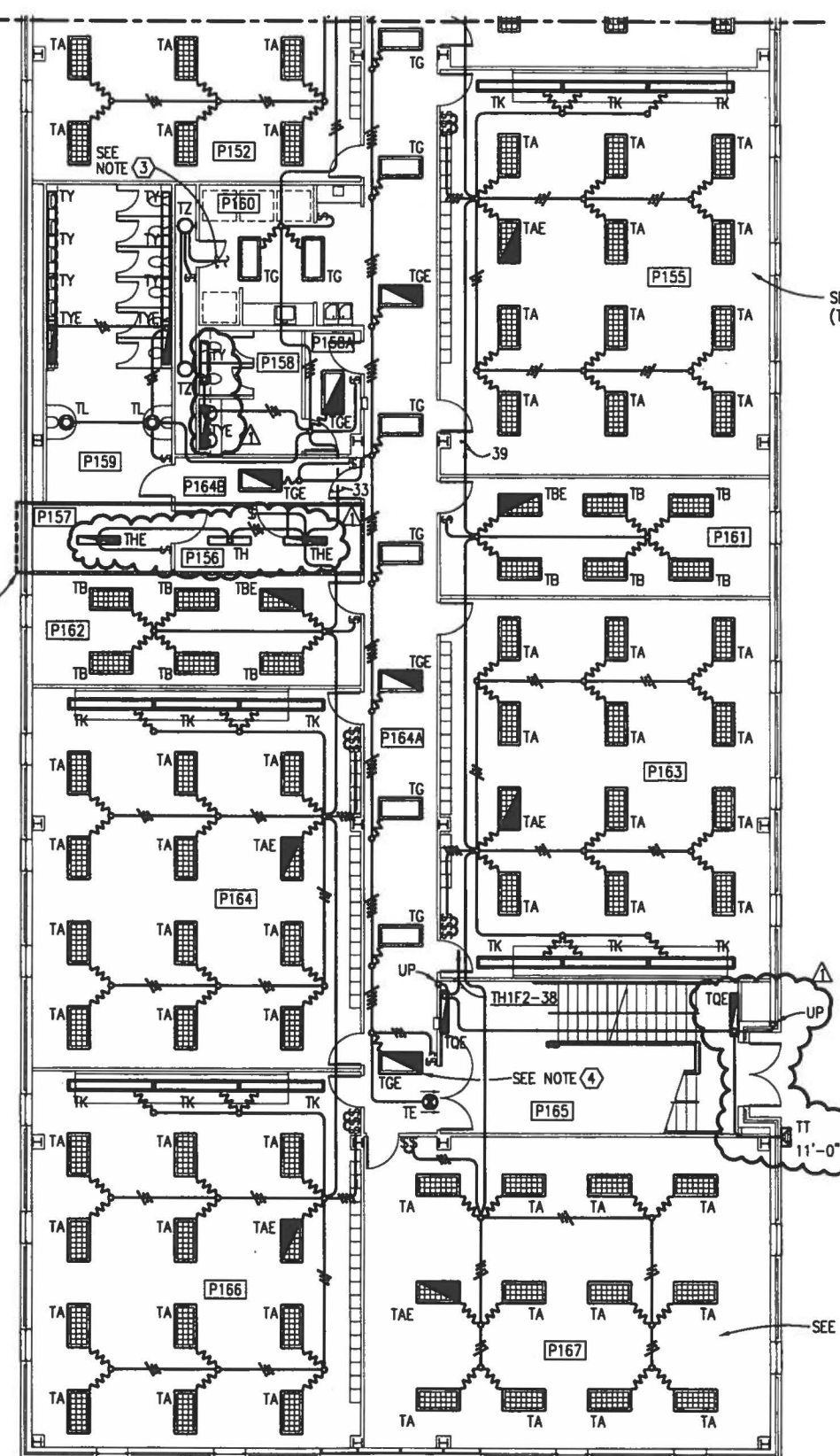
MATCH LINE - FOR CONTINUATION SEE SHEET TE2D7



—SEE NOTE ②

EQUIPMENT ROOM, SEE  
ENLARGED PLAN

TE208 | TE303



— SEE NOTE ①  
(TYPICAL)

—SEE NOTE ②

## NOTES

- ① AT EACH CLASSROOM, ONE SWITCH SHALL CONTROL OUTBOARD LAMPS IN TYPE "TA" FIXTURES, ONE SWITCH SHALL CONTROL CENTER LAMP IN TYPE "TA" FIXTURES, AND ONE SWITCH SHALL CONTROL TYPE "TX" FIXTURES.
- ② ALTERNATELY SWITCH INBOARD AND OUTBOARD LAMPS WITHIN EACH FIXTURE IN THIS ROOM TO PROVIDE SEPARATE LEVELS OF ILLUMINATION.
- ③ CIRCUIT T1G1-26 TO RECEPTACLE, FOR CONTINUATION SEE SHEET TE228.
- ④ ALL LIGHTING FIXTURES LOCATED IN CORRIDORS WHICH CONTAIN INTEGRAL EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED NIGHT LIGHTS.

### FIRST DECK PLAN - AREA G - LIGHTING

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

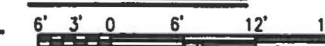


IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.


## KEY PLAN

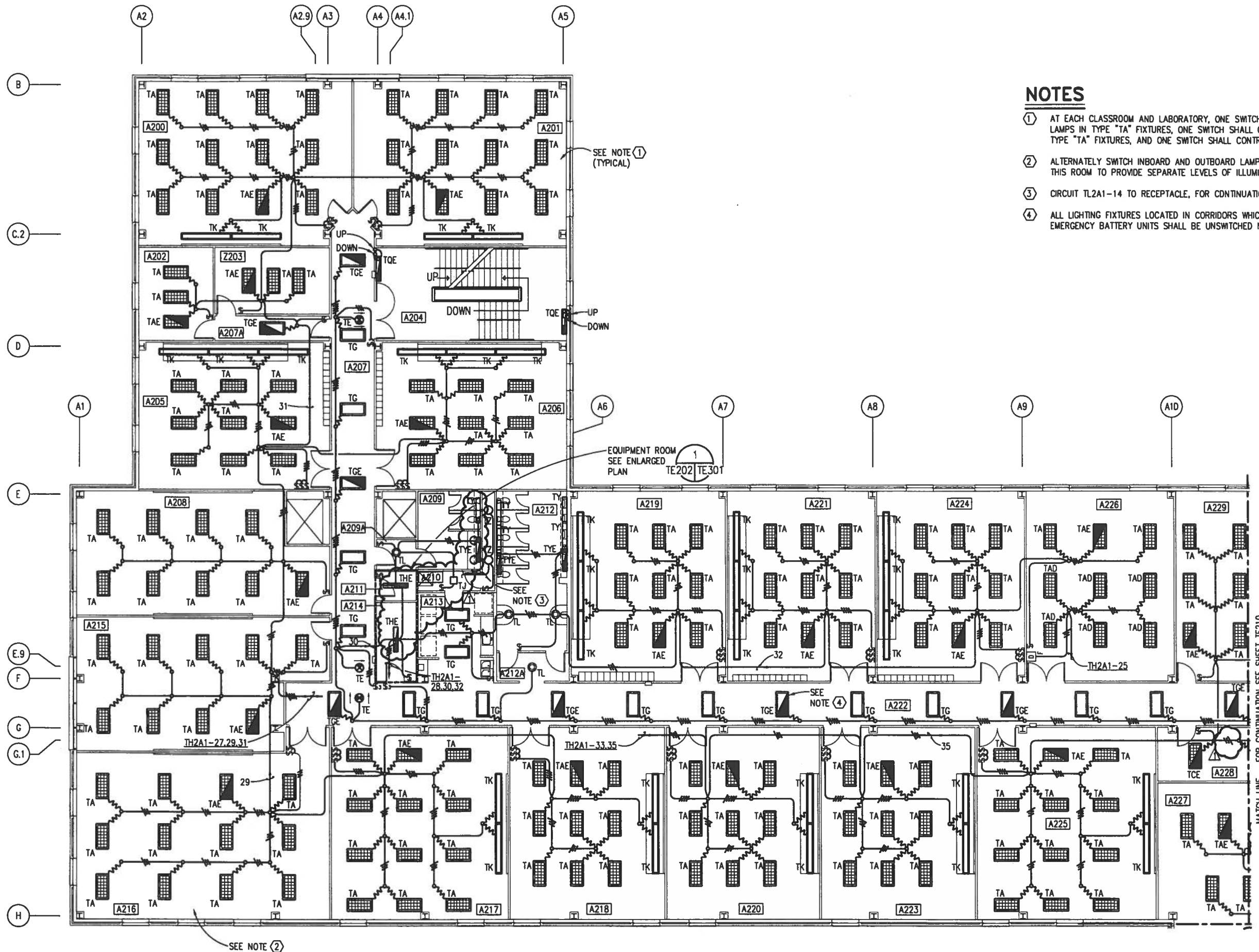


### GRAPHIC SCALE

$$1/8'' = 1'-0''$$


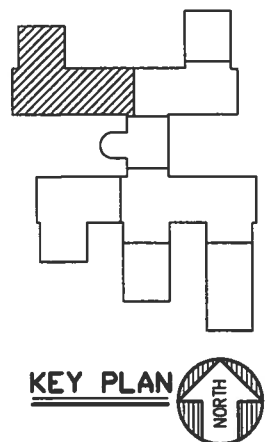
## TRAINING FACILITY

		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON, S.C.	
SEAL AREA		SOUTH DIVISION	
RECORD DRAWING DATE		NAVAL WEAPONS STATION	
CODE LD NO.		CHARLESTON, S.C.	
DRAWING SIZE:		NNPTC TRAINING COMPLEX	
SPEC. NO. 06-95-			
CONSTR. CONTR. NO.			
N62467-95-C			
NAVFAC DRAWING NO.			
53212			
SHEET 402 OF			
TE2C			



## NOTES

- AT EACH CLASSROOM AND LABORATORY, ONE SWITCH SHALL CONTROL OUTBOARD LAMPS IN TYPE "TA" FIXTURES, ONE SWITCH SHALL CONTROL CENTER LAMP IN TYPE "TA" FIXTURES, AND ONE SWITCH SHALL CONTROL TYPE "TK" FIXTURES.
- ALTERNATELY SWITCH INBOARD AND OUTBOARD LAMPS WITHIN EACH FIXTURE IN THIS ROOM TO PROVIDE SEPARATE LEVELS OF ILLUMINATION.
- CIRCUIT TL2A1-14 TO RECEPTACLE, FOR CONTINUATION SEE SHEET TE229.
- ALL LIGHTING FIXTURES LOCATED IN CORRIDORS WHICH CONTAIN INTEGRAL EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED NIGHT LIGHTS.



## GRAPHIC SCALE

1/8" = 1'-0"

6' 3' 0' 6' 12' 18'

## SECOND DECK PLAN - AREA A - LIGHTING

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

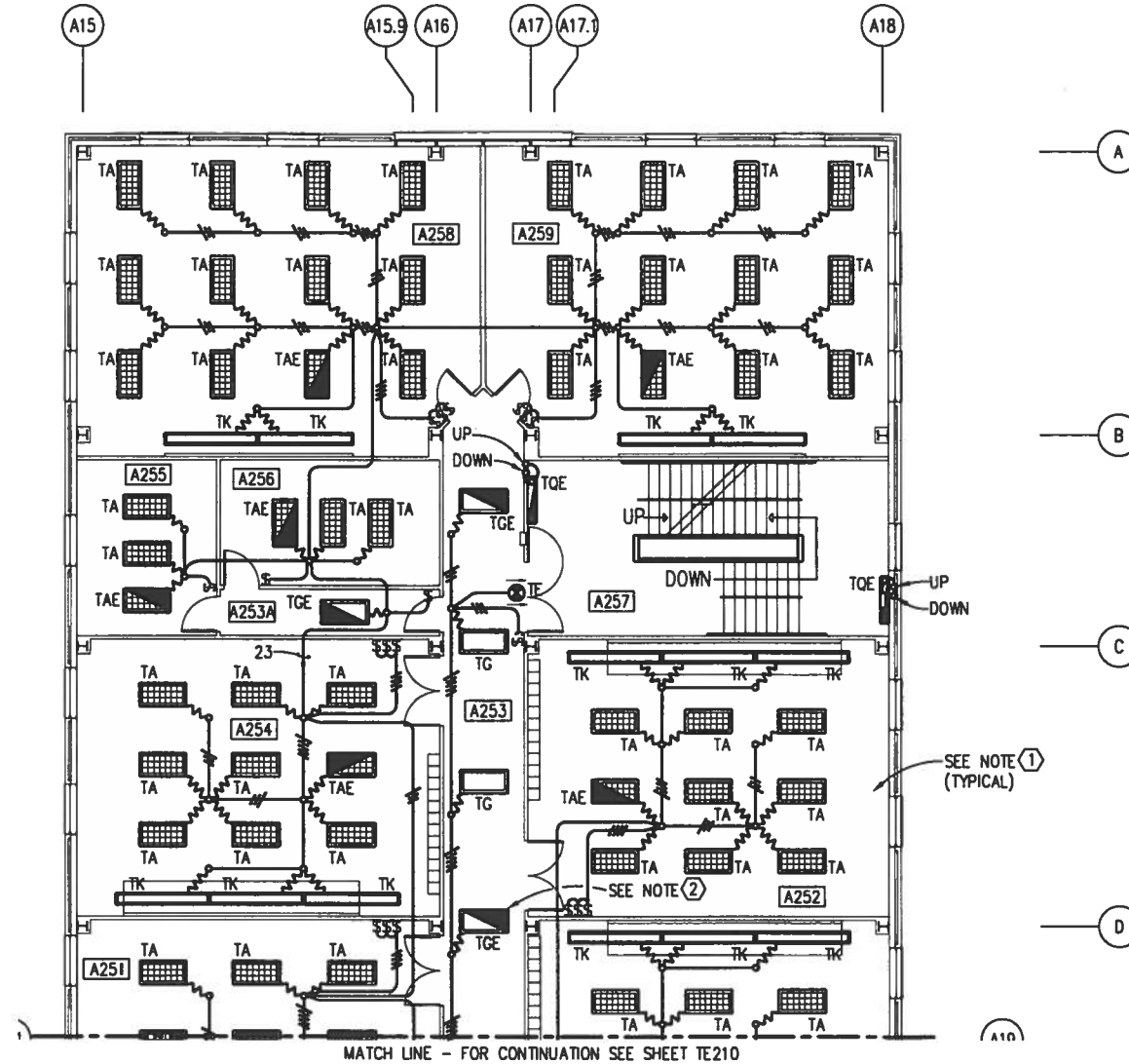
IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



RECORD DRAUGHTING DATE	NOV 1996
CODE LD NO.	06-95-C
DRAWING SIZE	11x17
SPEC. NO.	06-95-C
CONSTR. CONTR. NO.	N62467-95-C
NAVJAC DRAWING NO.	532129
SHEET 403 OF	TE20
DEPARTMENT OF THE NAVY	NAVAL WEAPONS STATION
SOUTHERN DIVISION	CHARLESTON, S.C.
NAVAL FACILITIES ENGINEERING COMMAND	NNPTC TRAINING COMPLEX
REV. DESCRIPTION	GENERAL REVISIONS
PREP BY	K. BEAVERS
DATE	7/26/96
APPROV	CLM
DESIGNED BY	PHILLIPS
CHECKED BY	PHILLIPS
DATE	21 MAY 1996



9512TE03/NP2 (AREA\_C)



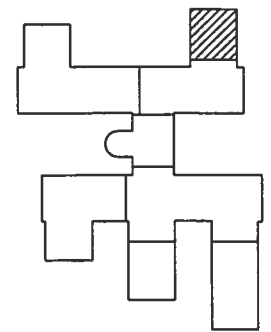
## SECOND DECK PLAN - AREA C - LIGHTING

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



### NOTES

1. AT EACH CLASSROOM AND LABORATORY, ONE SWITCH SHALL CONTROL OUTBOARD LAMPS IN TYPE "TA" FIXTURES, ONE SWITCH SHALL CONTROL CENTER LAMP IN TYPE "TA" FIXTURES, AND ONE SWITCH SHALL CONTROL TYPE "TK" FIXTURES.
2. ALL LIGHTING FIXTURES LOCATED IN CORRIDORS WHICH CONTAIN INTEGRAL EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED NIGHT LIGHTS.



KEY PLAN



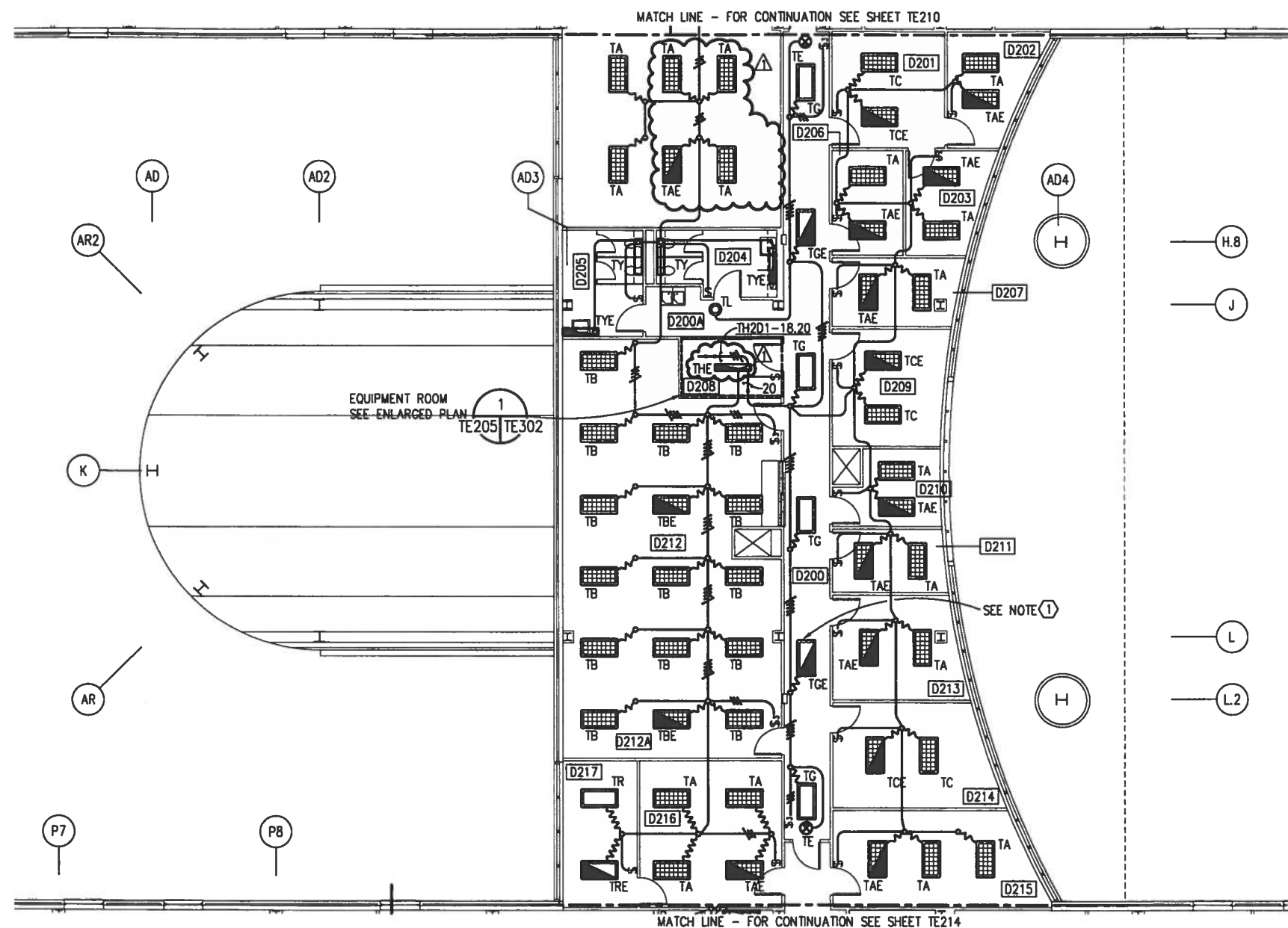
GRAPHIC SCALE

1/8" = 1'-0" 6' 3' 0 6' 12' 18'

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REVISIONS	REV.	DESCRIPTION	PREP BY	DATE	APPROV
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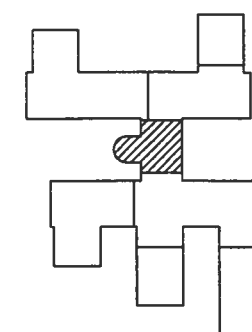
### SECOND DECK PLAN - AREA D - LIGHTING

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



## NOTE

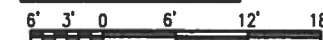
- 1 ALL LIGHTING FIXTURES LOCATED IN CORRIDORS WHICH  
CONTAIN INTEGRAL EMERGENCY BATTERY UNITS SHALL BE  
UNSWITCHED NIGHT LIGHTS.



### KEY PLAN



### GRAPHIC SCALE

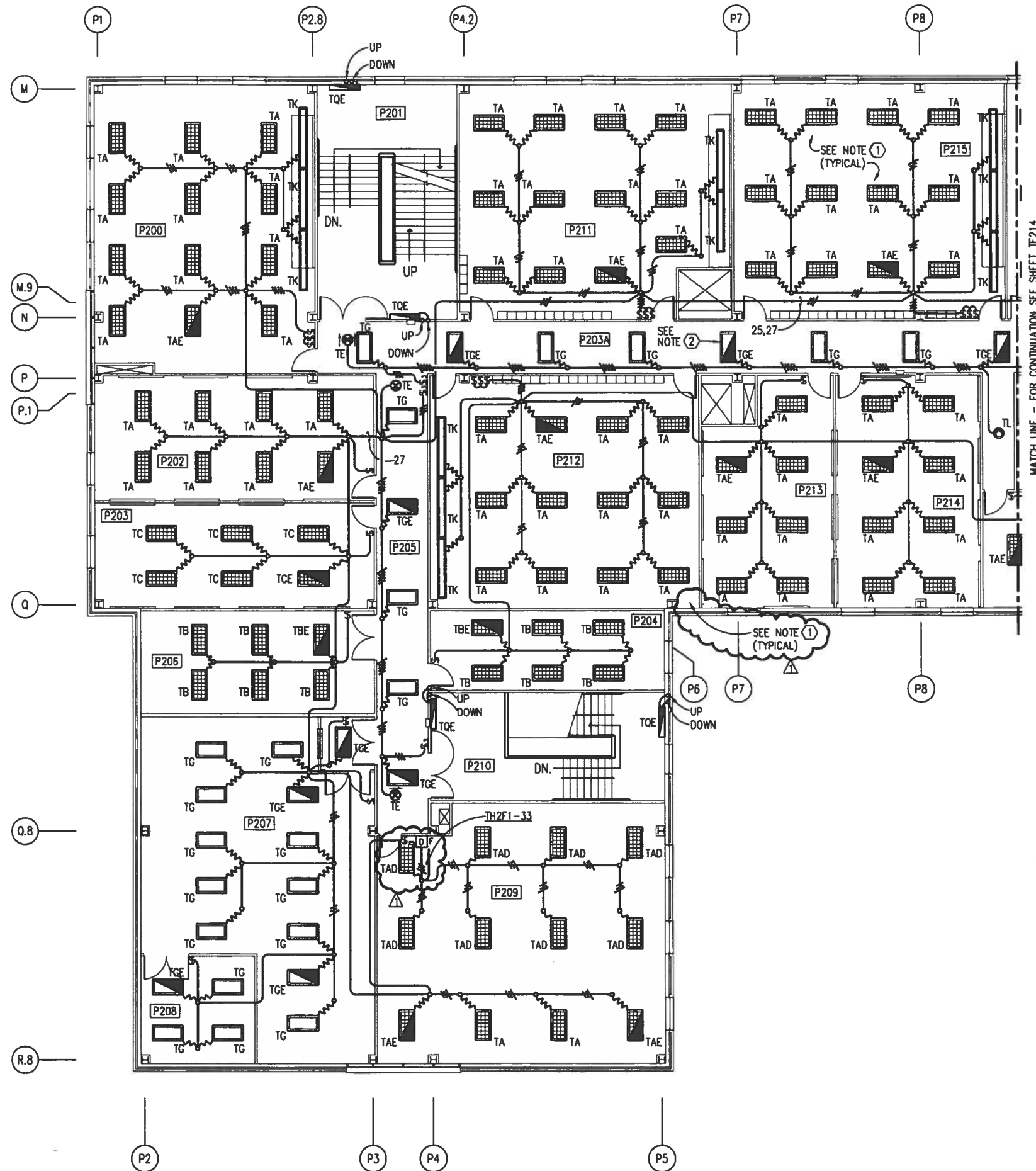
$$1/8'' = 1'-0''$$


IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

## TRAINING FACILITY

		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C.		REV. DESCRIPTION A GENERAL REVISIONS		PREP BY K. BEAVERS		DATE 7/26/96		APPROVD ERM		DESIGNED BY KBJ Architects, Inc. 50 North 1st Street Jacksonville, Florida 32202		DRAWING NO. 532129		SHEET 406 OF		SCALE AS SHOWN		TITLE NAUTIC TRAINING COMPLEX		PROJECT NO. 62467-95-C		SPEC. NO. 06-95-		CONSTRUCTION NO. 62467-95-C		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96		DRAWING SIZE 11x17		CODE LD NO. 06-95-		CONSTRUCTION NO. 62467-95-C		SPEC. NO. 06-95-		RECORD DRAWING DATE 5/31/96			
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## SECOND DECK PLAN - AREA E - LIGHTING

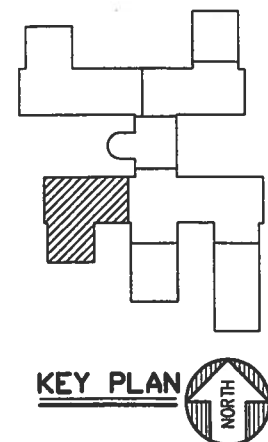
SCALE:  $1/8"=1'-0"$



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

## NOTES

- ① AT EACH CLASSROOM AND GROUP STUDY, ONE SWITCH SHALL CONTROL OUTBOARD LAMPS IN TYPE "TA" FIXTURES, ONE SWITCH SHALL CONTROL CENTER LAMP IN TYPE "TA" FIXTURES, AND ONE SWITCH SHALL CONTROL TYPE "TK" FIXTURES.
- ② ALL LIGHTING FIXTURES LOCATED IN CORRIDORS WHICH CONTAIN INTEGRAL EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED NIGHT LIGHTS.



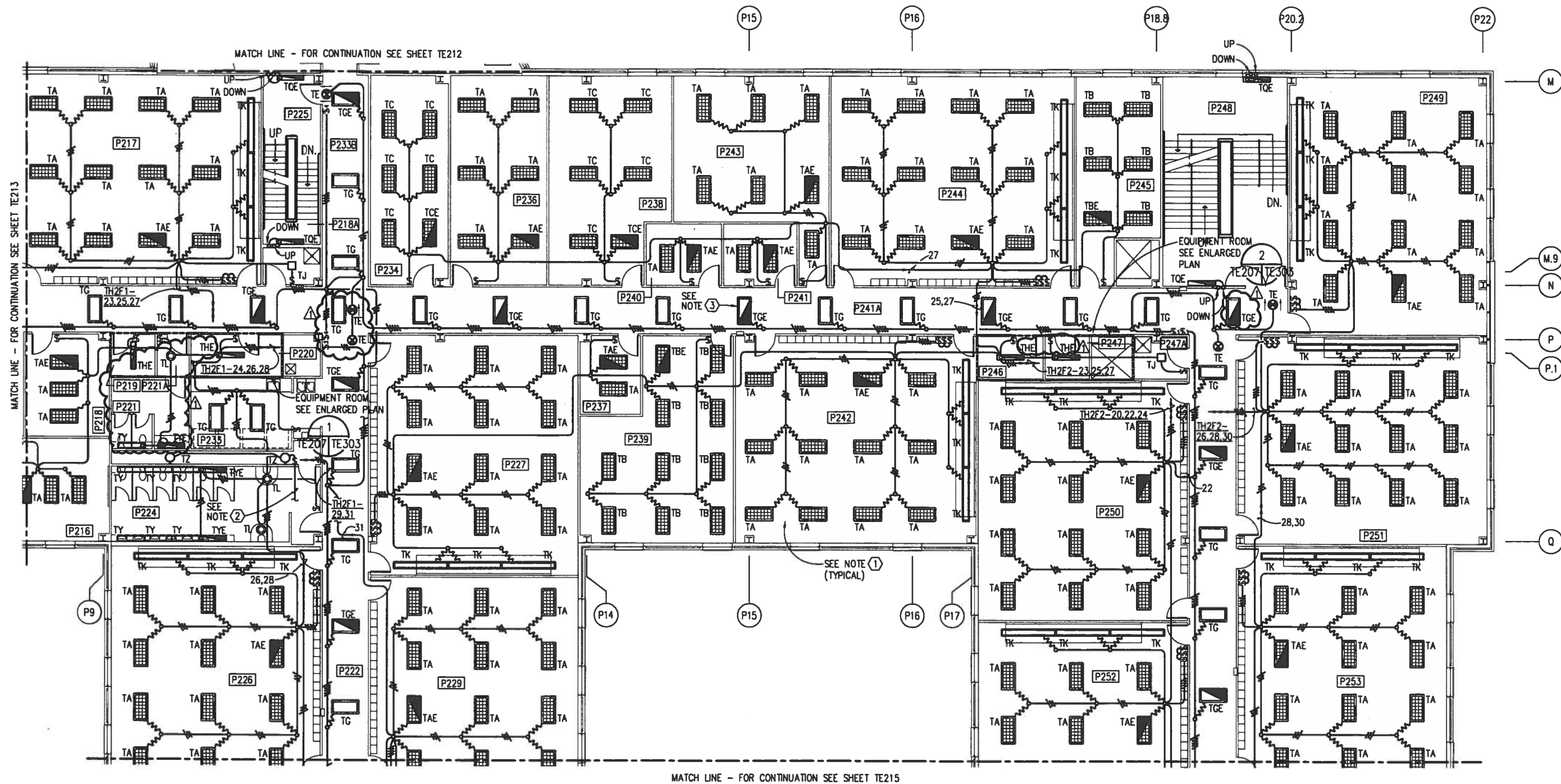
## KEY PLAN

### GRAPHIC SCALE

$$1/8" = 1'-0"$$


TRAINING FACILITY



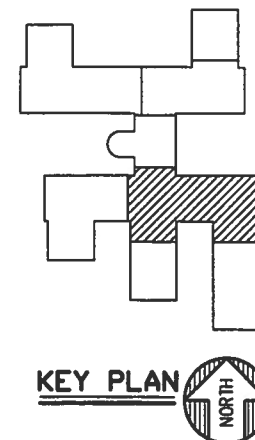


## SECOND DECK PLAN - AREA F - LIGHTING

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

### NOTES

- ① AT EACH CLASSROOM AND LABORATORY, ONE SWITCH SHALL CONTROL OUTBOARD LAMPS IN TYPE "TA" FIXTURES, ONE SWITCH SHALL CONTROL CENTER LAMP IN TYPE "TA" FIXTURES, AND ONE SWITCH SHALL CONTROL TYPE "TK" FIXTURES.
- ② CIRCUIT TL2F1-27 TO RECEPTACLE, FOR CONTINUATION SEE SHEET TE234.
- ③ ALL LIGHTING FIXTURES LOCATED IN CORRIDORS WHICH CONTAIN INTEGRAL EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED NIGHT LIGHTS.



GRAPHIC SCALE

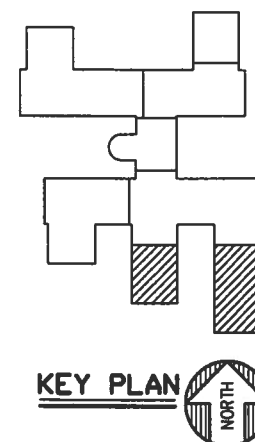
1/8" = 1'-0"

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY



- ① AT EACH CLASSROOM, ONE SWITCH SHALL CONTROL OUTBOARD LAMPS IN TYPE "TA" FIXTURES, ONE SWITCH SHALL CONTROL CENTER LAMP IN TYPE "TA" FIXTURES, AND ONE SWITCH SHALL CONTROL TYPE "TK" FIXTURES.
- ② ALTERNATELY SWITCH INBOARD AND OUTBOARD LAMPS WITHIN EACH FIXTURE IN THIS ROOM TO PROVIDE SEPARATE LEVELS OF ILLUMINATION.
- ③ CIRCUIT TL2F2-3 TO RECEPTACLE, FOR CONTINUATION SEE SHEET TE235.
- ④ ALL LIGHTING FIXTURES LOCATED IN CORRIDORS WHICH CONTAIN INTEGRAL EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED NIGHT LIGHTS.



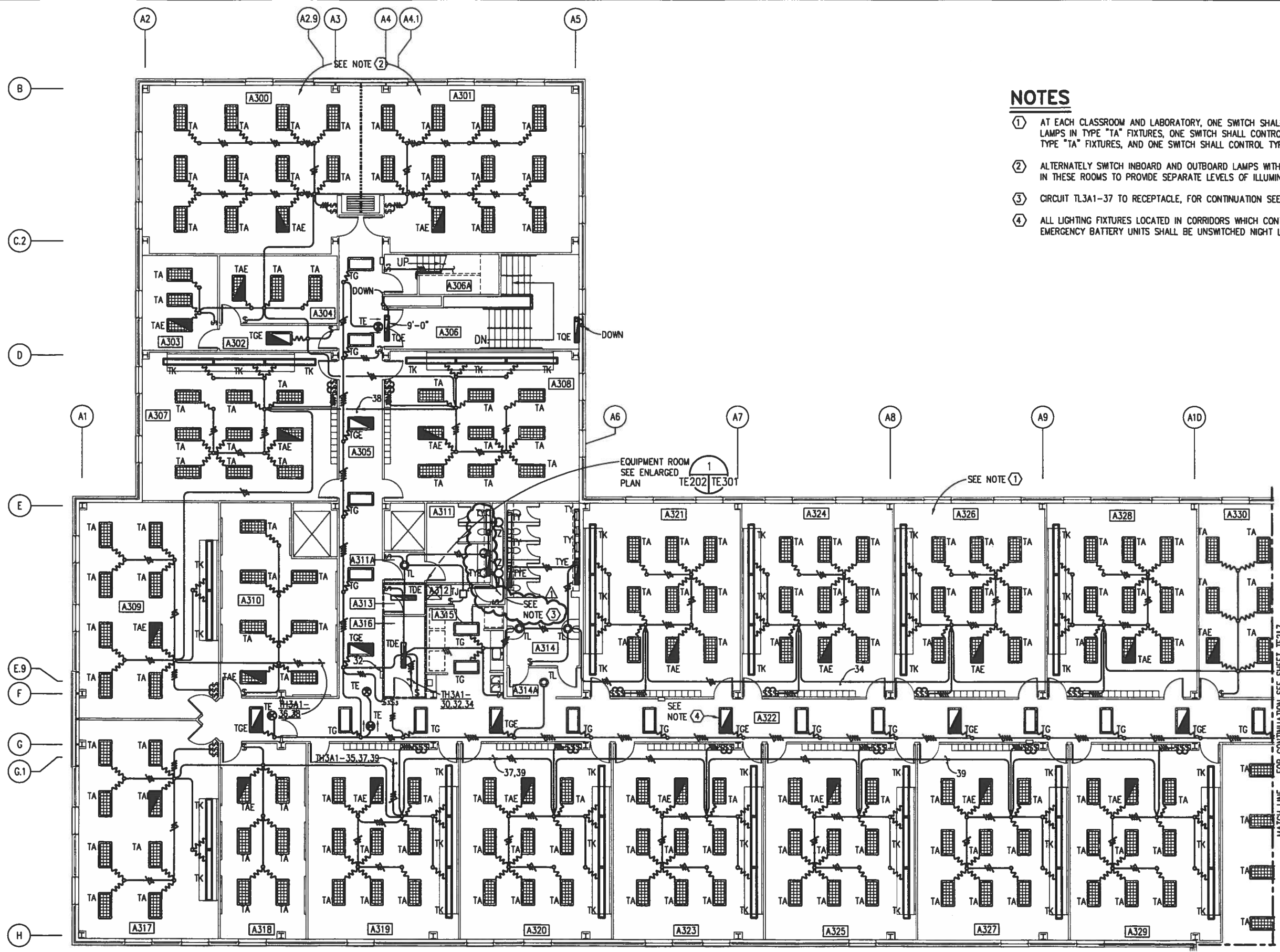
SCALE: 1/8"=1'-0"

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

$$1/8'' = 1'-0''$$

## TRAINING FACILITY

9512TE04/NP3 (AREA A)



### NOTES

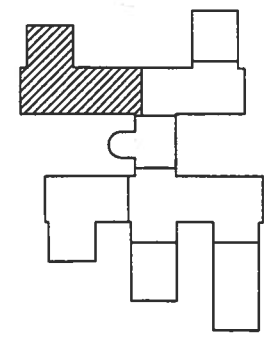
- 1 AT EACH CLASSROOM AND LABORATORY, ONE SWITCH SHALL CONTROL OUTBOARD LAMPS IN TYPE "TA" FIXTURES, ONE SWITCH SHALL CONTROL CENTER LAMP IN TYPE "TA" FIXTURES, AND ONE SWITCH SHALL CONTROL TYPE "TK" FIXTURES.
- 2 ALTERNATELY SWITCH INBOARD AND OUTBOARD LAMPS WITHIN EACH FIXTURE IN THESE ROOMS TO PROVIDE SEPARATE LEVELS OF ILLUMINATION.
- 3 CIRCUIT TL3A1-37 TO RECEPTACLE, FOR CONTINUATION SEE SHEET TE236.
- 4 ALL LIGHTING FIXTURES LOCATED IN CORRIDORS WHICH CONTAIN INTEGRAL EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED NIGHT LIGHTS.

### THIRD DECK PLAN - AREA A - LIGHTING

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



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



1/8" = 1'-0"

GRAPHIC SCALE

TRAINING FACILITY

REV.	DESCRIPTION	DATE	APPROV
1	GENERAL REVISIONS	7/26/96	E.P.V.
K. BEAVERS			
REVISIONS			
SOUTHERN DIVISION			
CHARLESTON, S.C.			
NAVAL WEAPONS STATION			
NNPTC TRAINING COMPLEX			
RECORD DRAWING DATE			
CODE LID NO.			
DRAWING SIZE:			
SPEC. NO. 06-95			
CONSTRUCTION NO. 1			
NAVAC DRAWING NO. 53212			
SHEET 410			

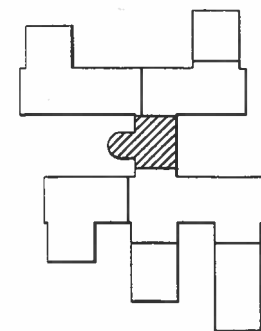
TE2







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



### KEY PLAN




### GRAPHIC SCALE

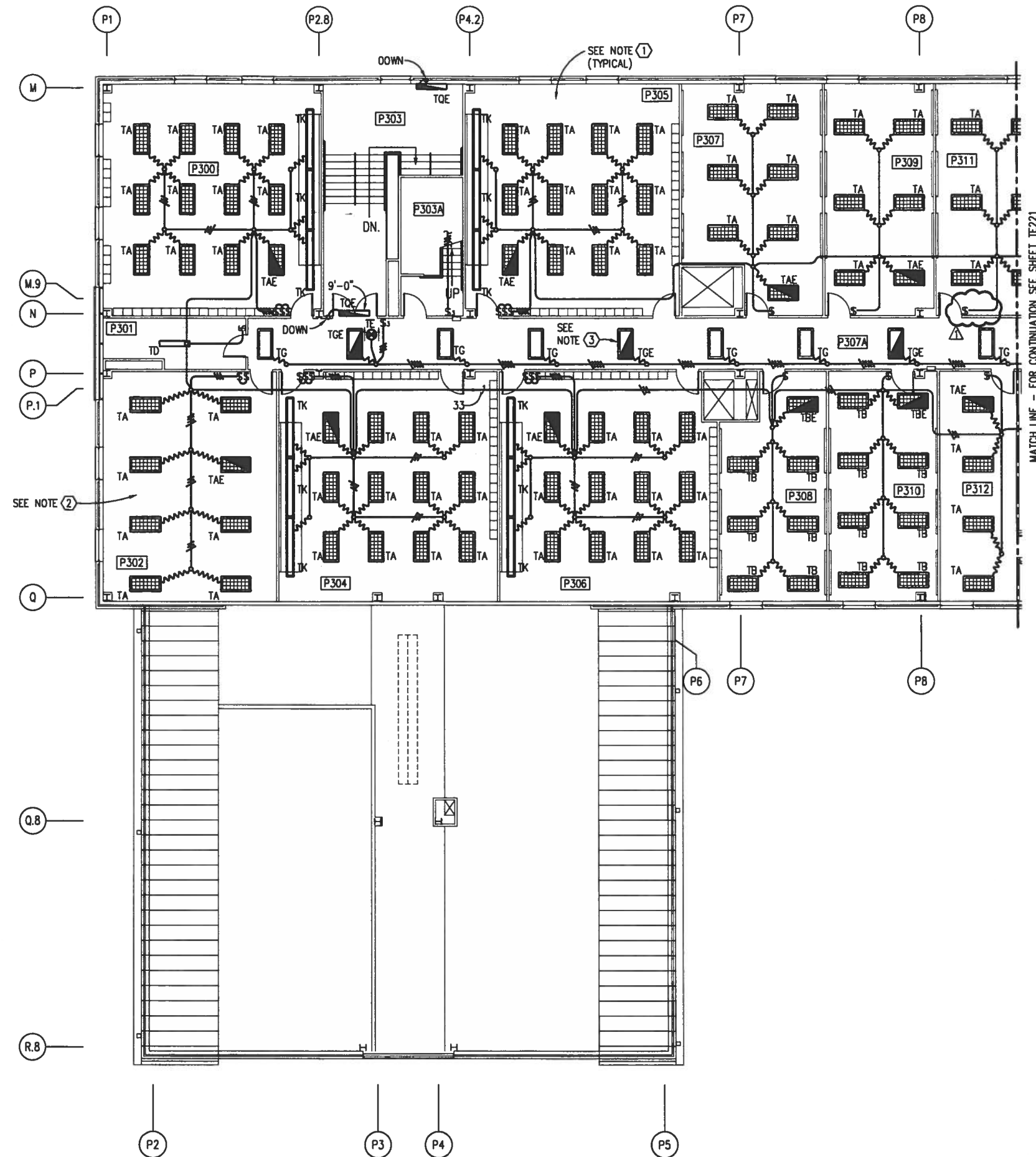


**IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.**

## TRAINING FACILITY

		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C.		SEQUENCE OF RECORD 103 Architects, Inc. 30 North Lake Street Jacksonville, Florida 32203	
RECORD DRAWING DATE		REV. DESCRIPTION A GENERAL REVISIONS		PREP BY DATE K. BEAVERS 7/26/96	
DRAWING NO. 62467-95-0		SPEC. NO. 06-95-		APPROV E. R. H.	
CONTRACTOR, CONTR. NO. NAWAC DRAWING NO.		532130		103 Architects, Inc. 30 North Lake Street Jacksonville, Florida 32203	
SHEET 413 OF		NAVAL WEAPONS STATION CHARLESTON, S.C.		103 Architects, Inc. 30 North Lake Street Jacksonville, Florida 32203	
TE20		NNPTC TRAINING COMPLEX		103 Architects, Inc. 30 North Lake Street Jacksonville, Florida 32203	





### THIRD DECK PLAN - AREA E - LIGHTING

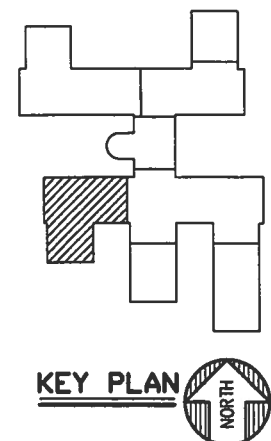
SCALE: 1/8"=1'-0"



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

### NOTES

- ① AT EACH CLASSROOM ONE SWITCH SHALL CONTROL OUTBOARD LAMPS IN TYPE "TA" FIXTURES, ONE SWITCH SHALL CONTROL CENTER LAMP IN TYPE "TA" FIXTURES, AND ONE SWITCH SHALL CONTROL TYPE "TK" FIXTURES.
- ② ALTERNATELY SWITCH INBOARD AND OUTBOARD LAMPS WITHIN EACH FIXTURE IN THIS ROOM TO PROVIDE SEPARATE LEVELS OF ILLUMINATION.
- ③ ALL LIGHTING FIXTURES LOCATED IN CORRIDORS WHICH CONTAIN INTEGRAL EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED NIGHT LIGHTS.



KEY PLAN

GRAPHIC SCALE

1/8" = 1'-0"

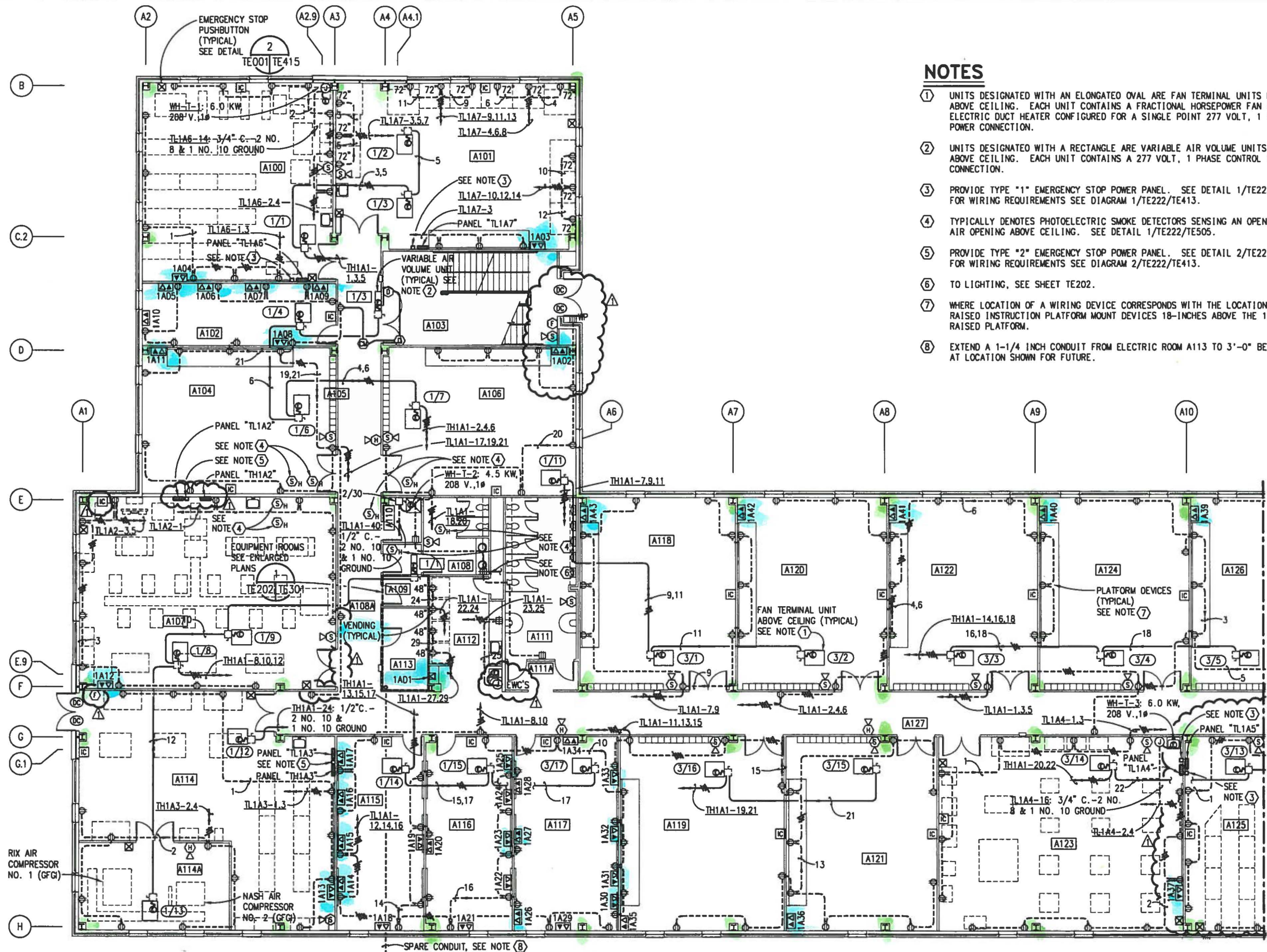
6' 3' 0' 6' 12' 18'

TRAINING FACILITY

REV.	DESCRIPTION	PREP BY	DATE	APPRVD
1	GENERAL REVISIONS	K. BEAVERS	7/26/96	EA/71
DEPARTMENT OF THE NAVY SOUTHERN DIVISION CHARLESTON, S.C. NAVAL WEAPONS STATION NNP TC TRAINING COMPLEX CHARLESTON, S.C. 532130 SHEET 414 OF 414				







# FIRST DECK PLAN - AREA A - POWER

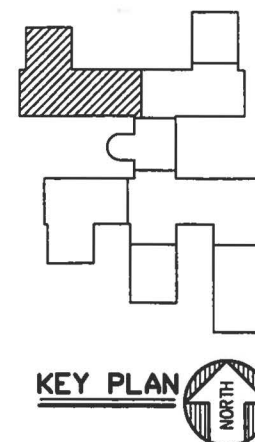
SCALE: 1/8" = 1'-0"



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

## NOTES

- UNITS DESIGNATED WITH AN ELONGATED OVAL ARE FAN TERMINAL UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A FRACTIONAL HORSEPOWER FAN AND ELECTRIC DUCT HEATER CONFIGURED FOR A SINGLE POINT 277 VOLT, 1 PHASE POWER CONNECTION.
- UNITS DESIGNATED WITH A RECTANGLE ARE VARIABLE AIR VOLUME UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A 277 VOLT, 1 PHASE CONTROL POWER CONNECTION.
- PROVIDE TYPE "1" EMERGENCY STOP POWER PANEL. SEE DETAIL 1/TE222/TE412. FOR WIRING REQUIREMENTS SEE DIAGRAM 1/TE222/TE413.
- TYPICALLY DENOTES PHOTOELECTRIC SMOKE DETECTORS SENSING AN OPEN RETURN AIR OPENING ABOVE CEILING. SEE DETAIL 1/TE222/TE505.
- PROVIDE TYPE "2" EMERGENCY STOP POWER PANEL. SEE DETAIL 2/TE222/TE412. FOR WIRING REQUIREMENTS SEE DIAGRAM 2/TE222/TE413.
- TO LIGHTING, SEE SHEET TE202.
- WHERE LOCATION OF A WIRING DEVICE CORRESPONDS WITH THE LOCATION OF A RAISED INSTRUCTION PLATFORM MOUNT DEVICES 18-INCHES ABOVE THE 12-INCH HIGH RAISED PLATFORM.
- EXTEND A 1-1/4 INCH CONDUIT FROM ELECTRIC ROOM A113 TO 3'-0" BEYOND BUILDING AT LOCATION SHOWN FOR FUTURE.



GRAPHIC SCALE

1/8" = 1'-0"

6' 3' 0' 6' 12' 18'

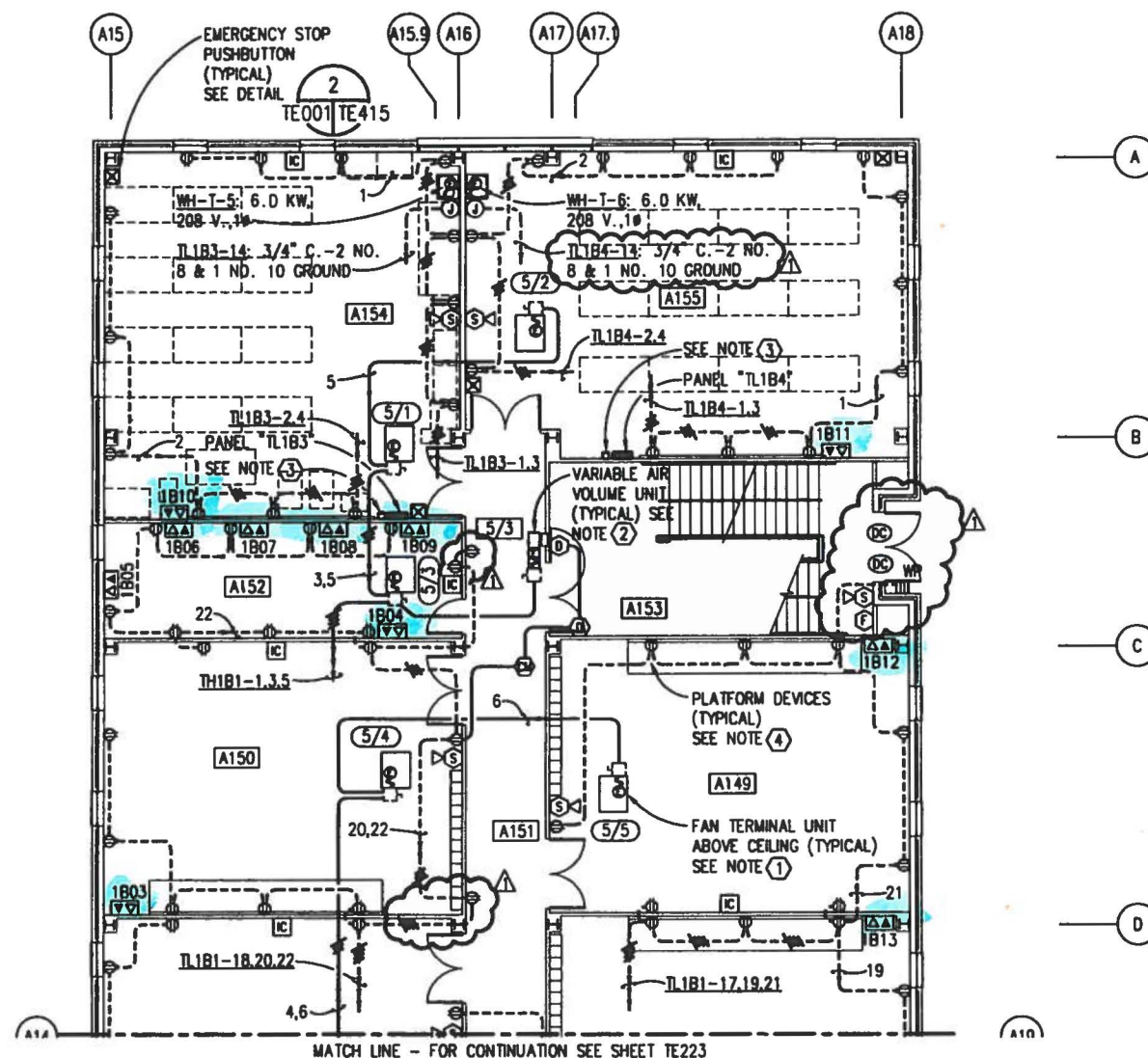
TRAINING FACILITY

REV. DESCRIPTION	PREP BY DATE APPROV	GENERAL REVISIONS	DATE	APPROV
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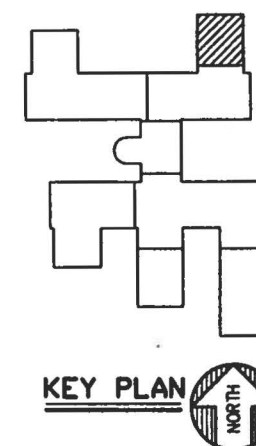
**FIRST DECK PLAN - AREA C - POWER**

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



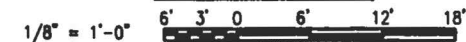
## NOTES

- ① UNITS DESIGNATED WITH AN ELONGATED OVAL ARE FAN TERMINAL UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A FRACTIONAL HORSEPOWER FAN AND ELECTRIC DUCT HEATER CONFIGURED FOR A SINGLE POINT 277 VOLT, 1 PHASE POWER CONNECTION.
- ② UNITS DESIGNATED WITH A RECTANGLE ARE VARIABLE AIR VOLUME UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A 277 VOLT, 1 PHASE CONTROL POWER CONNECTION.
- ③ PROVIDE TYPE "1" EMERGENCY STOP POWER PANEL. SEE DETAIL 1/TE222/TE412. FOR WIRING REQUIREMENTS SEE DIAGRAM 1/TE222/TE413.
- ④ WHERE LOCATION OF A WIRING DEVICE CORRESPONDS WITH THE LOCATION OF A RAISED INSTRUCTION PLATFORM MOUNT DEVICES 18-INCHES ABOVE THE 12-INCH HIGH RAISED PLATFORM.



## KEY PLAN

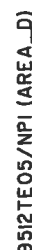
## GRAPHIC SCALE



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

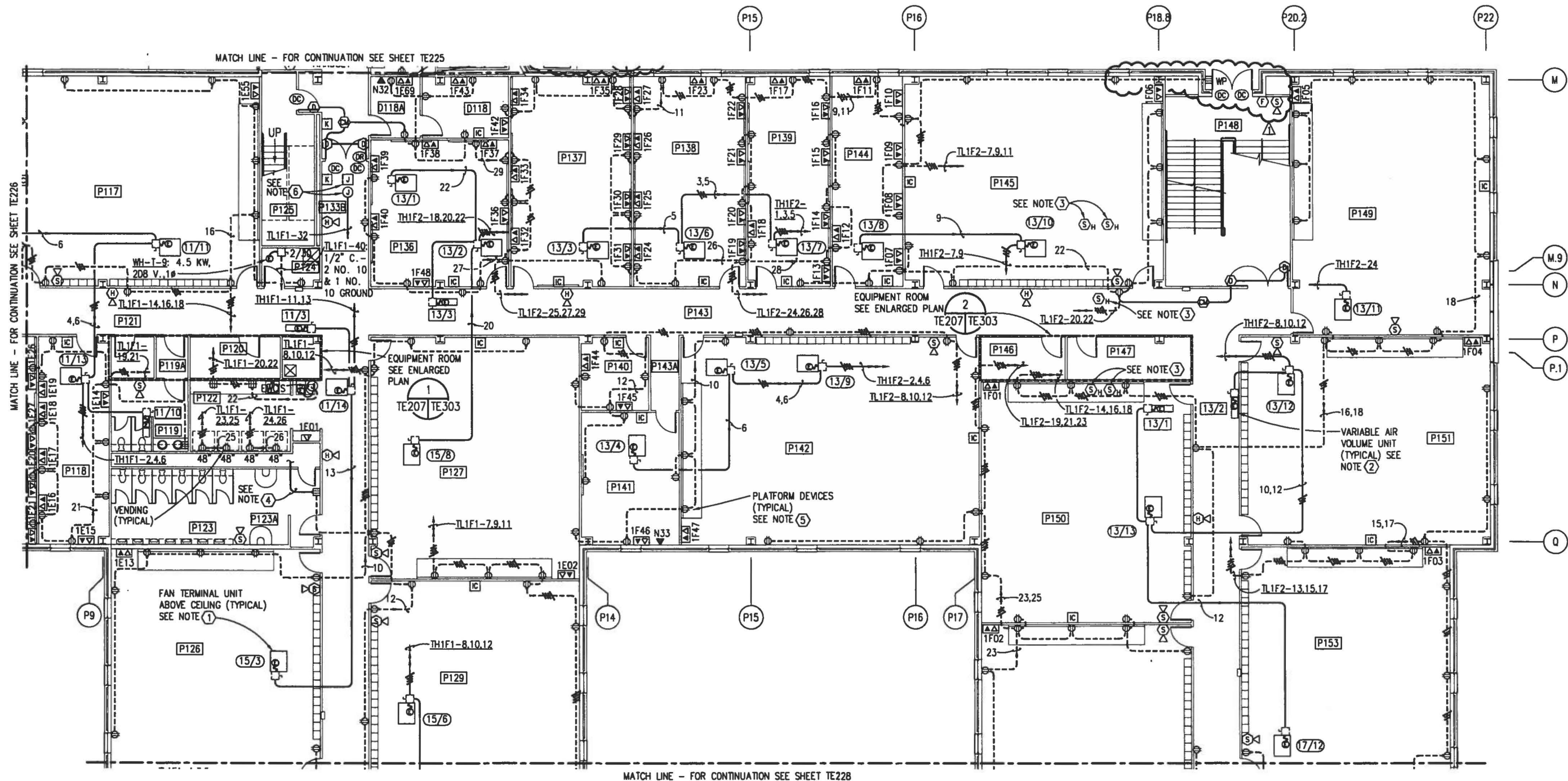
## TRAINING FACILITY











# **FIRST DECK PLAN - AREA F - POWER**

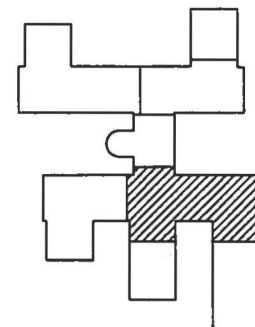
SCALE: 1/8"=1'-0"



## **NOTES**

- ① UNITS DESIGNATED WITH AN ELONGATED OVAL ARE FAN TERMINAL UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A FRACTIONAL HORSEPOWER FAN AND ELECTRIC DUCT HEATER CONFIGURED FOR A SINGLE POINT 277 VOLT, 1 PHASE POWER CONNECTION.
- ② UNITS DESIGNATED WITH A RECTANGLE ARE VARIABLE AIR VOLUME UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A 277 VOLT, 1 PHASE CONTROL POWER CONNECTION.
- ③ TYPICALLY DENOTES PHOTOELECTRIC SMOKE DETECTORS SENSING AN OPEN RETURN AIR OPENING ABOVE CEILING. SEE DETAIL 1/TE222/TE505.
- ④ TO LIGHTING, SEE SHEET TE207.
- ⑤ WHERE LOCATION OF A WIRING DEVICE CORRESPONDS WITH THE LOCATION OF A RAISED INSTRUCTION PLATFORM MOUNT DEVICES 18-INCHES ABOVE THE 12-INCH HIGH RAISED PLATFORM.
- ⑥ PROVIDE POWER AND CONTROL JUNCTION BOXES ABOVE CEILING FOR FUTURE CARD READER, SEE DOOR MONITOR SYSTEM RISER DIAGRAM 1/TE225/TE416.

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



**KEY PLAN**

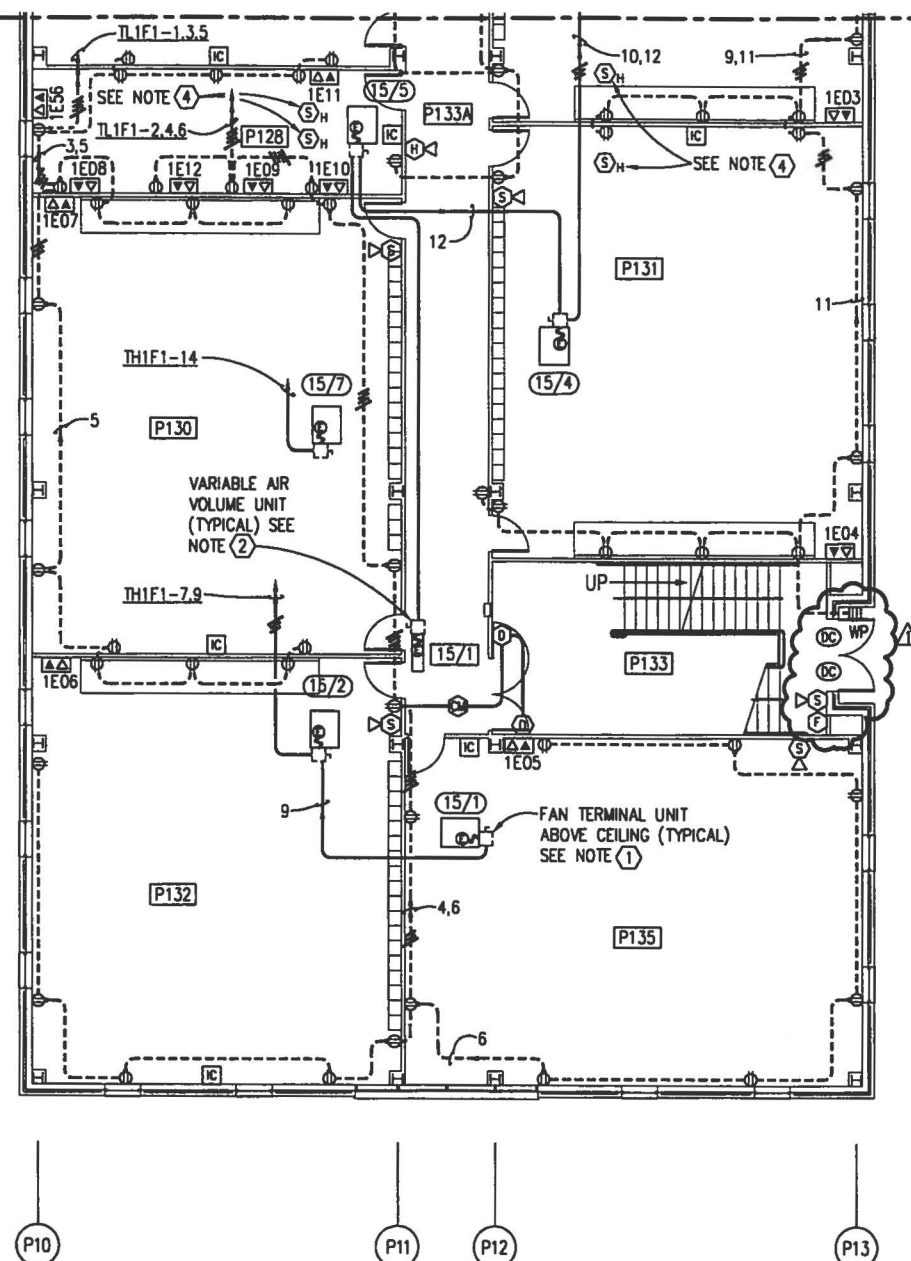
**GRAPHIC SCALE**

1/8" = 1'-0"

TRAINING FACILITY

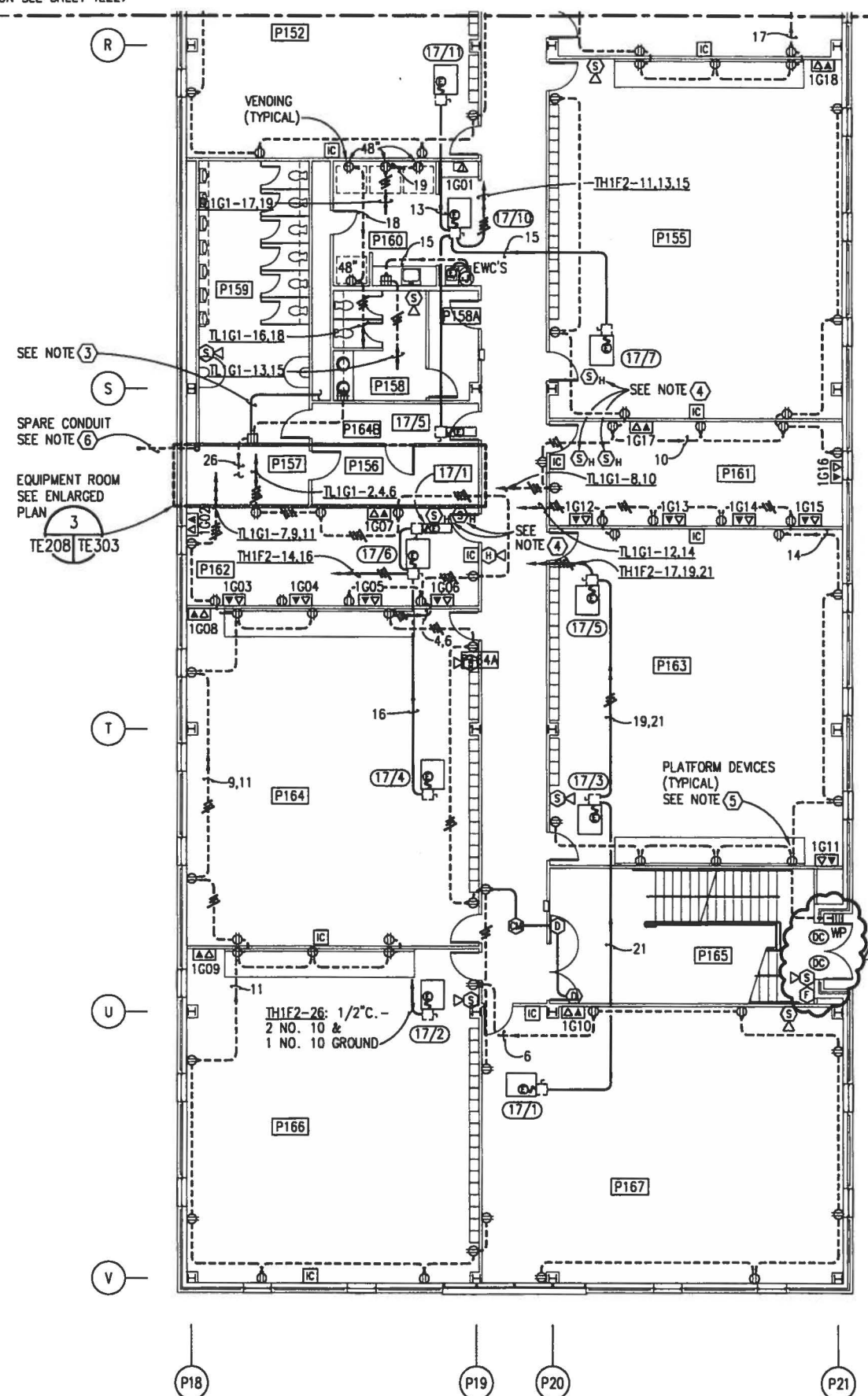
RECORD NO.	9512TE05/NP1 (AREA F)
DATE	7/26/96
BY	K. BEAVERS
APP'D	
REV.	DESCRIPTION
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100	GENERAL REVISIONS

MATCH LINE - FOR CONTINUATION SEE SHEET TE227



## NOTES

- ① UNITS DESIGNATED WITH AN ELONGATED OVAL ARE FAN TERMINAL UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A FRACTIONAL HORSEPOWER FAN AND ELECTRIC DUCT HEATER CONFIGURED FOR A SINGLE POINT 277 VOLT, 1 PHASE POWER CONNECTION.
- ② UNITS DESIGNATED WITH A RECTANGLE ARE VARIABLE AIR VOLUME UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A 277 VOLT, 1 PHASE CONTROL POWER CONNECTION.
- ③ TO LIGHTING, SEE SHEET TE208.
- ④ TYPICALLY DENOTES PHOTOELECTRIC SMOKE DETECTORS SENSING AN OPEN RETURN AIR OPENING ABOVE CEILING. SEE DETAIL 1/TE222/TE505.
- ⑤ WHERE LOCATION OF A WIRING DEVICE CORRESPONDS WITH THE LOCATION OF A RAISED INSTRUCTION PLATFORM MOUNT DEVICES 18-INCHES ABOVE THE 12-INCH HIGH RAISED PLATFORM.
- ⑥ EXTEND A 1-1/4 INCH CONDUIT FROM ELECTRIC ROOM P157 TO 3'-0" BEYOND BUILDING AT LOCATION SHOWN FOR FUTURE.

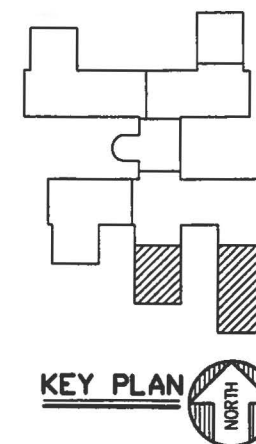


**FIRST DECK PLAN - AREA G - POWER**

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



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



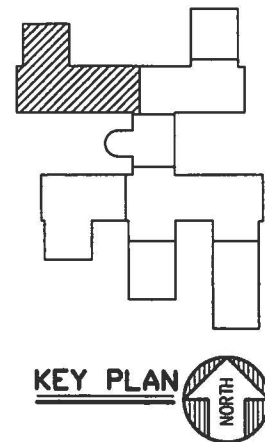
### GRAPHIC SCALE

$$1/8'' = 1'-0''$$


## TRAINING FACILITY

		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C.		REV. DESCRIPTION A GENERAL REVISIONS		PREP BY K. BEAVERS		DATE 7/26/96		APPROV [Signature]	
SEAL AREA		NAVAL WEAPONS STATION CHARLESTON, S.C.		REV. DESCRIPTION A GENERAL REVISIONS		PREP BY K. BEAVERS		DATE 7/26/96		APPROV [Signature]	
RECORD DRAINING DATE		NAVAL WEAPONS STATION CHARLESTON, S.C.		REV. DESCRIPTION A GENERAL REVISIONS		PREP BY K. BEAVERS		DATE 7/26/96		APPROV [Signature]	
CODE LD NO. DRAWING SIZE: SPEC. NO. 06-95- CONSTR. CONTR. NO. N62467-95-C NAVFAC DRAWING NO. 53223		NAVAL WEAPONS STATION CHARLESTON, S.C.		REV. DESCRIPTION A GENERAL REVISIONS		PREP BY K. BEAVERS		DATE 7/26/96		APPROV [Signature]	
SHEET 422 OF		NAVAL WEAPONS STATION CHARLESTON, S.C.		REV. DESCRIPTION A GENERAL REVISIONS		PREP BY K. BEAVERS		DATE 7/26/96		APPROV [Signature]	

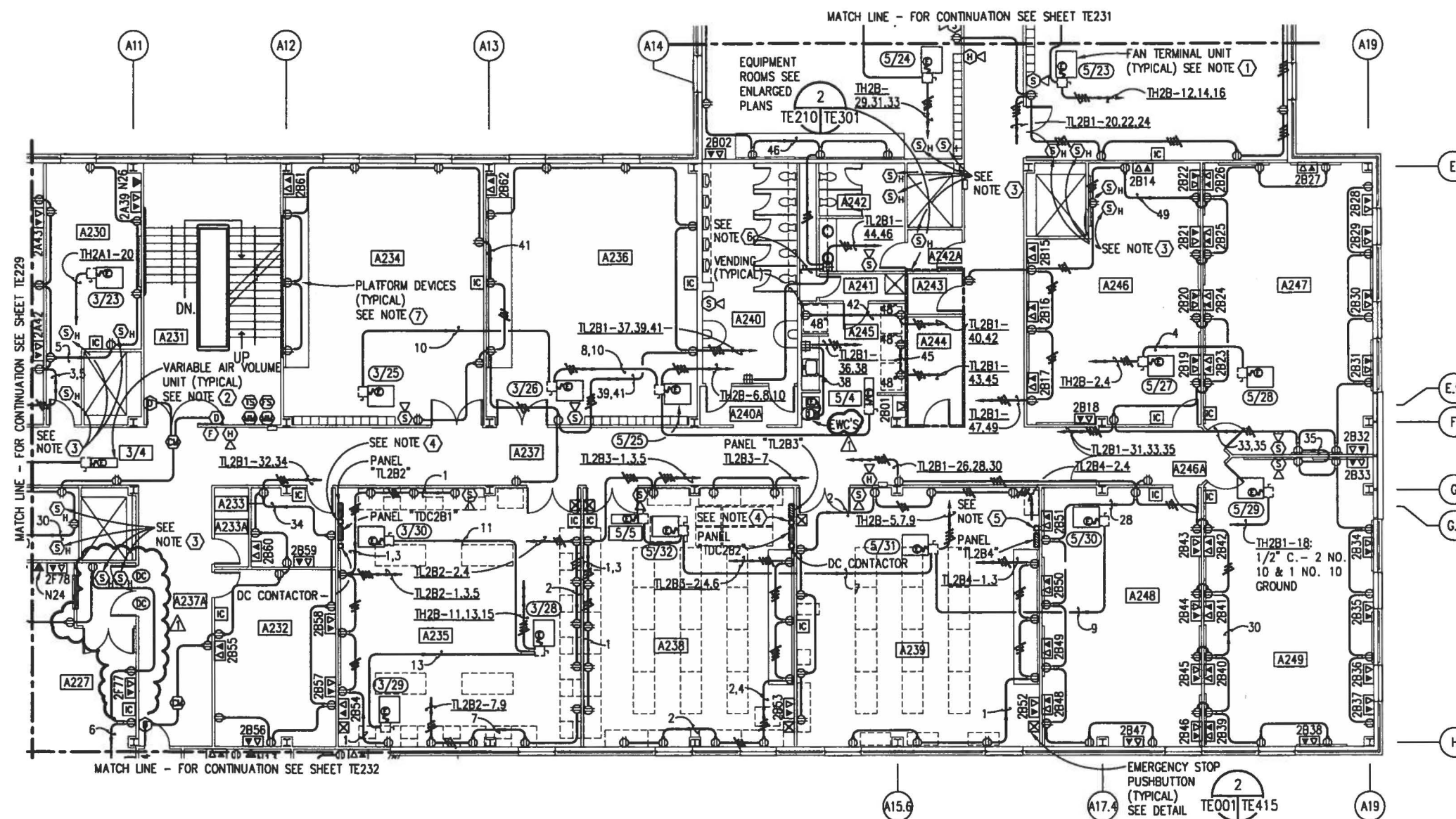




$1/8" = 1'-0"$  

TE22

- |   |  |  |  |                                      |  |
|---|--|--|--|--------------------------------------|--|
|  |  | SEAL AREA<br>SOUTHERN DIVISION<br>CHARLESTON, S.C. |  | DEPARTMENT OF THE NAVY               |  |
| NAVAL WEAPONS STATION   |  | CHARLESTON, S.C.                                   |  | NAVAL FACILITIES ENGINEERING COMMAND |  |
| NNPTC TRAINING COMPLEX  |  |  |  |                                      |  |
| REV. <u>A</u>   |  | DESCRIPTION<br>GENERAL REVISIONS                   |  | PREP BY<br>K. BEAVERS                |  |
| DATE<br>7/26/96   |  | APPROVD<br>C. H. H.                                |  |                                      |  |
| K3J Architects, Inc.<br>50 North Main Street<br>Jacksonville, Florida 32202         |  | RECORD OF RECORDS<br>AAO0000                       |  |                                      |  |
| SHEET 423 OF 423  |  | DRAWS<br>MORLEY                                    |  | LEAF<br>1                            |  |
| DATE<br>21 MAY 1996   |  | BY<br>PHILLIPS                                     |  |                                      |  |
| PARTNER   |  |  |  |                                      |  |

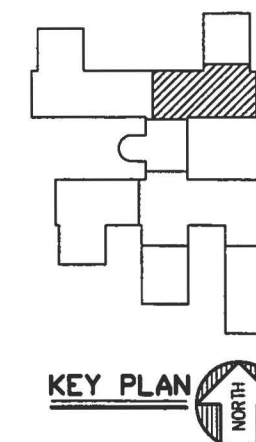


SCALE: 1/8"=1'-0"



- ① UNITS DESIGNATED WITH AN ELONGATED OVAL ARE FAN TERMINAL UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A FRACTIONAL HORSEPOWER FAN AND ELECTRIC OIL HEATER CONFIGURED FOR A SINGLE POINT 277 VOLT, 1 PHASE POWER CONNECTION.
- ② UNITS DESIGNATED WITH A RECTANGLE ARE VARIABLE AIR VOLUME UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A 277 VOLT, 1 PHASE CONTROL POWER CONNECTION.
- ③ TYPICALLY DENOTES PHOTOELECTRIC SMOKE DETECTORS SENSING AN OPEN RETURN AIR OPENING ABOVE CEILING. SEE DETAIL 1/TE222/TE505.
- ④ PROVIDE TYPE "3" EMERGENCY STOP POWER PANEL. SEE DETAIL 3/TE230/TE412. FOR WIRING REQUIREMENTS SEE DIAGRAM 2/TE230/TE414.
- ⑤ PROVIDE TYPE "1" EMERGENCY STOP POWER PANEL. SEE DETAIL 1/TE222/TE412. FOR WIRING REQUIREMENTS SEE DIAGRAM 1/TE222/TE413.
- ⑥ TO LIGHTING, SEE SHEET TE210.
- ⑦ WHERE LOCATION OF A WIRING DEVICE CORRESPONDS WITH THE LOCATION OF A RAISED INSTRUCTION PLATFORM MOUNT DEVICES 18-INCHES ABOVE THE 12-INCH HIGH RAISED PLATFORM.

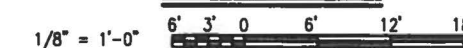
IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



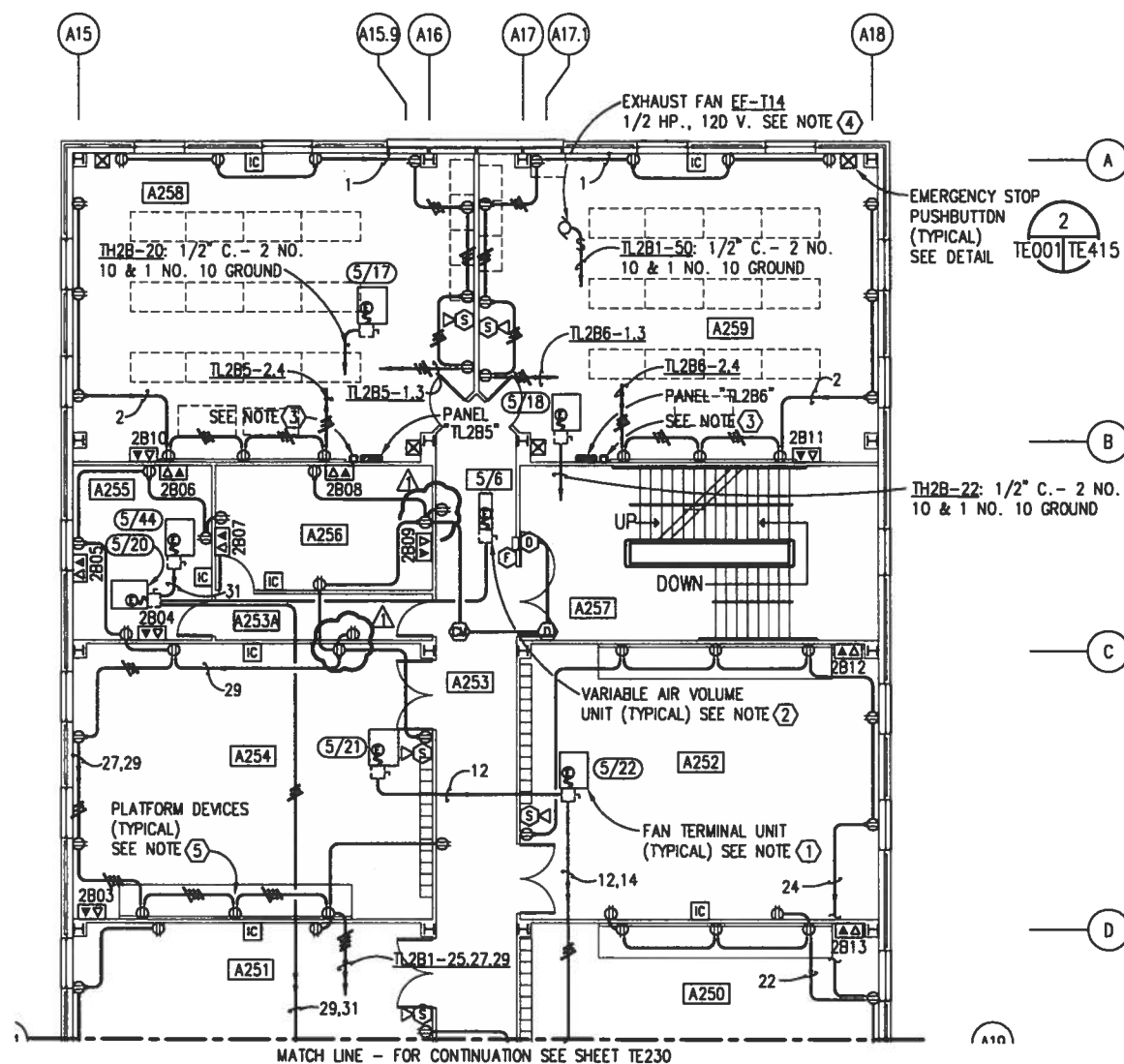
## KEY PLAN



### GRAPHIC SCALE


$$1/8" = 1'-0"$$

## TRAINING FACILITY



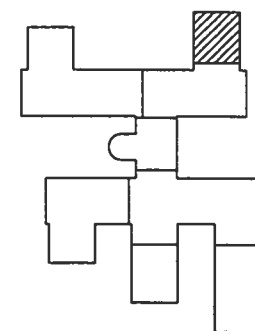
## SECOND DECK PLAN - AREA C - POWER

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



## NOTES

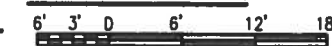
- ① UNITS DESIGNATED WITH AN ELONGATED OVAL ARE FAN TERMINAL UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A FRACTIONAL HORSEPOWER FAN AND ELECTRIC DUCT HEATER CONFIGURED FOR A SINGLE POINT 277 VOLT, 1 PHASE POWER CONNECTION.
- ② UNITS DESIGNATED WITH A RECTANGLE ARE VARIABLE AIR VOLUME UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A 277 VOLT, 1 PHASE CONTROL POWER CONNECTION.
- ③ PROVIDE TYPE "1" EMERGENCY STOP POWER PANEL. SEE DETAIL 1/TE222/TE412. FOR WIRING REQUIREMENTS SEE DIAGRAM 1/TE222/TE413.
- ④ PROVIDE A SINGLE POLE TOGGLE SWITCH TO SERVE AS A DISCONNECT MEANS MOUNTED ABOVE CEILING ADJACENT TO FAN.
- ⑤ WHERE LOCATION OF A WIRING DEVICE CORRESPONDS WITH THE LOCATION OF A RAISED INSTRUCTION PLATFORM MOUNT DEVICES 18-INCHES ABOVE THE 12-INCH HIGH RAISED PLATFORM.



KEY PLAN

GRAPHIC SCALE

1/8" = 1'-0"



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

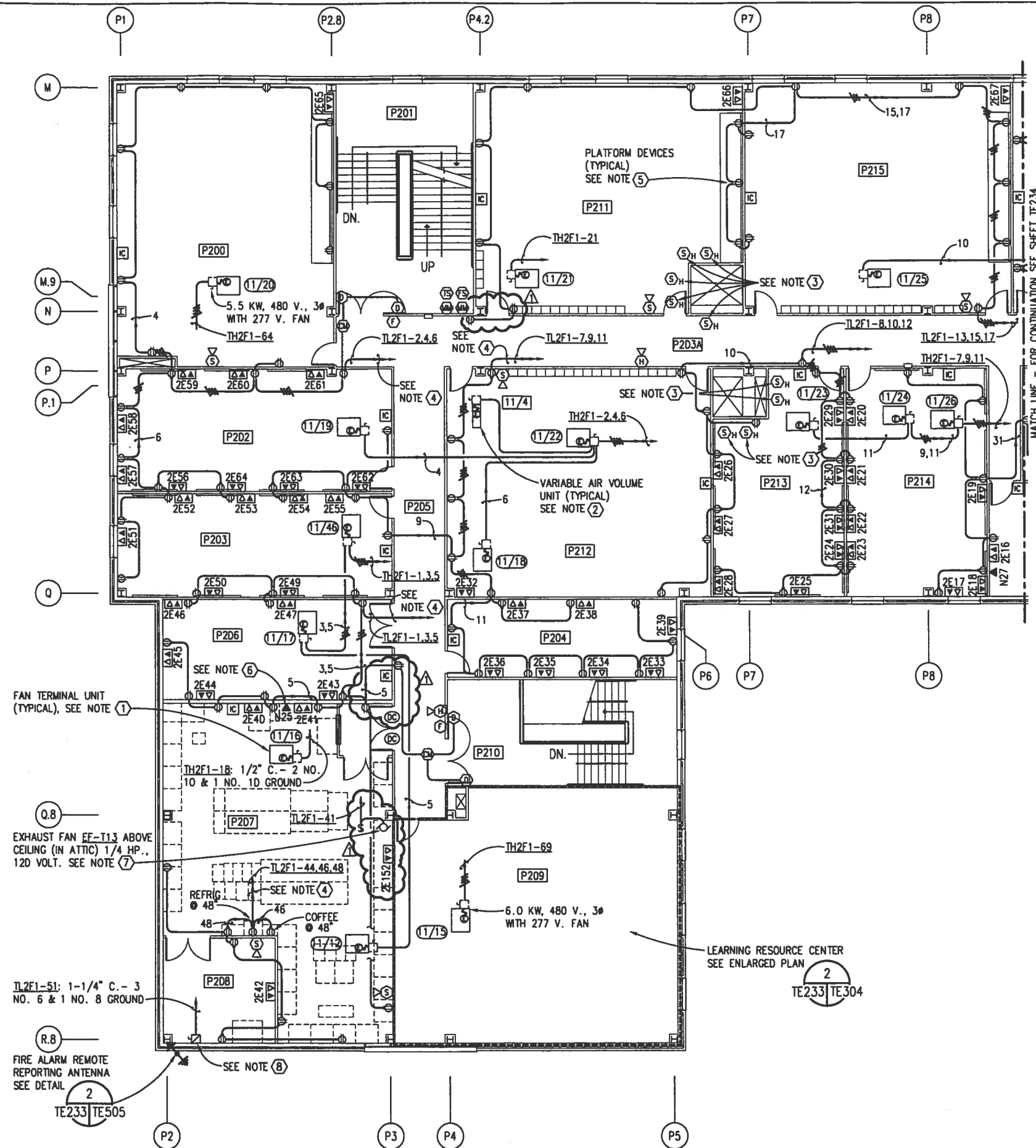
TRAINING FACILITY

REVISIONS	DATE	APPROVED	BY	PREP BY	DATE	APPROVED	BY
1	7/26/96	EA/7/1		K. BEAVERS	7/26/96	EA/7/1	
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FAN TERMINAL UNIT  
(TYPICAL), SEE NOTE (1)

EXHAUST FAN EF-T13 ABOVE  
CEILING (IN ATTIC) 1/4 HP.,  
120 VOLT. SEE NOTE (7)

TH2F1-51: 1-1/4" C. - 3  
NO. 6 & 1 NO. 8 GROUND

FIRE ALARM REMOTE  
REPORTING ANTENNA  
SEE DETAIL

TE233/TE505

## SECOND DECK PLAN - AREA E - POWER

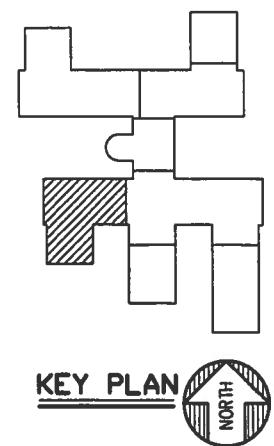
SCALE: 1/8"=1'-0"



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

## NOTES

- (1) UNITS DESIGNATED WITH AN ELONGATED OVAL ARE FAN TERMINAL UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A FRACTIONAL HORSEPOWER FAN AND ELECTRIC DUCT HEATER CONFIGURED FOR A SINGLE POINT 277 VOLT, 1 PHASE POWER CONNECTION.
- (2) UNITS DESIGNATED WITH A RECTANGLE ARE VARIABLE AIR VOLUME UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A 277 VOLT, 1 PHASE CONTROL POWER CONNECTION.
- (3) TYPICALLY DENOTES PHOTOELECTRIC SMOKE DETECTORS SENSING AN OPEN RETURN AIR OPENING ABOVE CEILING. SEE DETAIL 1/TE222/TE505.
- (4) PROVIDE 1/2-INCH CONDUIT WITH (4) NO. 10 AND (1) NO. 10 GROUND.
- (5) WHERE LOCATION OF A WIRING DEVICE CORRESPONDS WITH THE LOCATION OF A RAISED INSTRUCTION PLATFORM MOUNT DEVICES 18-INCHES ABOVE THE 12-INCH HIGH RAISED PLATFORM.
- (6) THIS OUTLET IS NOT INTENDED TO BE CATEGORY 5 COMPLIANT DUE TO THE LENGTH OF THE DATA STATION CABLE.
- (7) PROVIDE A SINGLE POLE TOGGLE SWITCH TO SERVE AS A DISCONNECT MEANS MOUNTED ABOVE CEILING ADJACENT TO FAN.
- (8) PROVIDE A 3 POLE, 60 AMP, NEMA 1 FUSED SWITCH WITH (3) 50 AMP, CLASS RK-5 FUSES FOR CONNECTION OF GOVERNMENT FURNISHED GOVERNMENT INSTALLED SHREDDER. ESTIMATED LOAD: 10 HP., 208 VOLT, 3 $\phi$ .



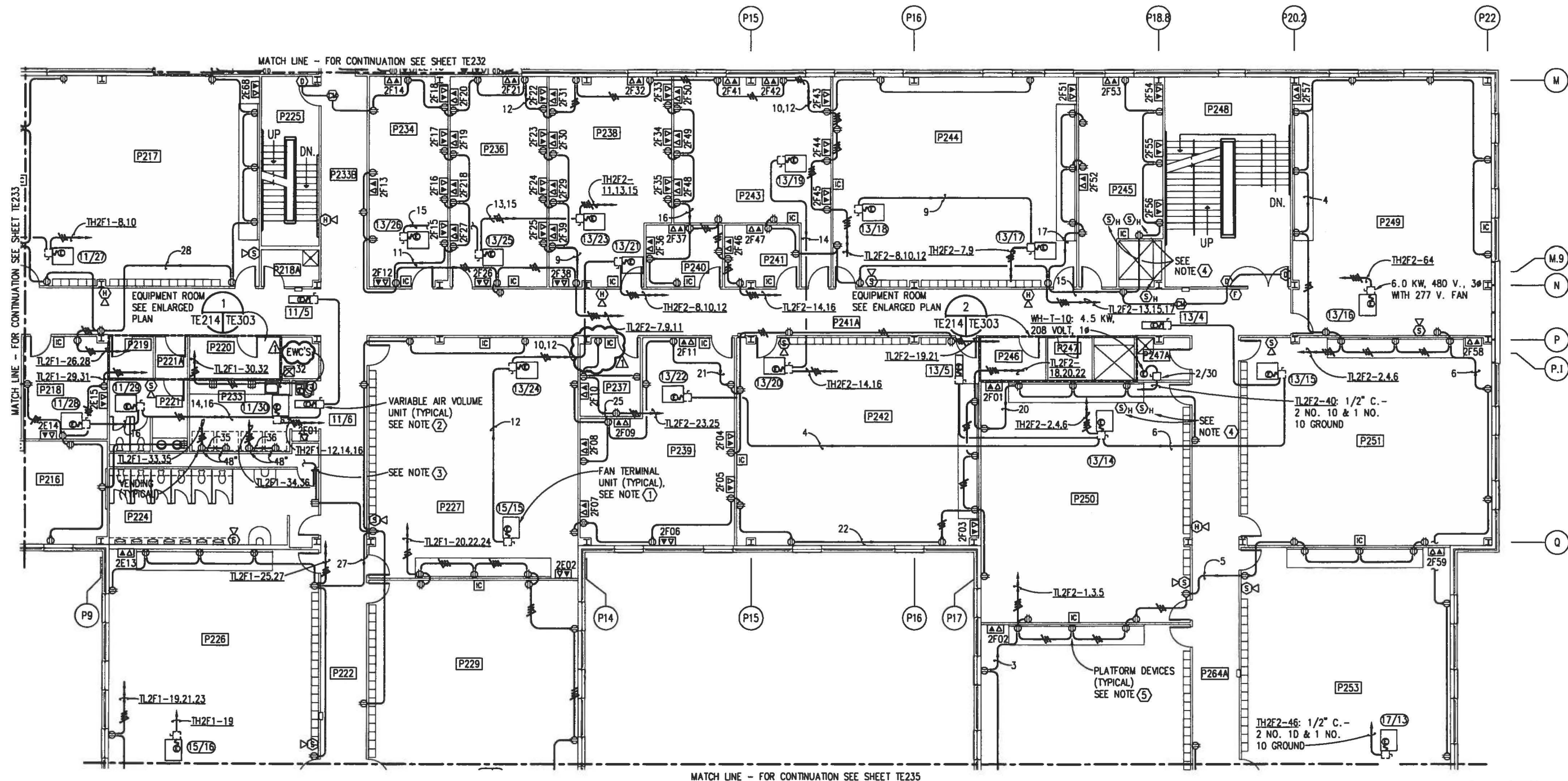
KEY PLAN

GRAPHIC SCALE

1/8" = 1'-0" 6' 3' 0' 6' 12' 18'

TRAINING FACILITY

REVISIONS	DATE	APPROVED	BY
1	7/26/96	CAW	K. BEAVERS
GENERAL REVISIONS			
SOUTHERN DIVISION			
CHARLESTON, S.C.			
NAVAL WEAPONS STATION			
NNPTC TRAINING COMPLEX			
DEPARTMENT OF THE NAVY			
NAVAL FACILITIES ENGINEERING COMMAND			
CHARLESTON, S.C.			
SEAL AREA			
RECORD DRAWING DATE			
CODE LD NO.			
DRAWING SIZE:			
SPEC. NO. 06-95-			
CONSTR. CONTR. NO.			
NAVJAC DRAWING NO.			
532131			
SHEET 427 OF			
TE23			

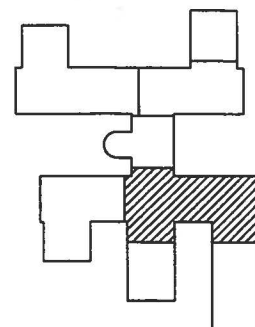


### NOTES

- ① UNITS DESIGNATED WITH AN ELONGATED OVAL ARE FAN TERMINAL UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A FRACTIONAL HORSEPOWER FAN AND ELECTRIC DUCT HEATER CONFIGURED FOR A SINGLE POINT 277 VOLT, 1 PHASE POWER CONNECTION, U.N.O.
- ② UNITS DESIGNATED WITH A RECTANGLE ARE VARIABLE AIR VOLUME UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A 277 VOLT, 1 PHASE CONTROL POWER CONNECTION.
- ③ TO LIGHTING, SEE SHEET TE214.
- ④ TYPICALLY DENOTES PHOTOELECTRIC SMOKE DETECTORS SENSING AN OPEN RETURN AIR OPENING ABOVE CEILING. SEE DETAIL 1/TE222/TE505.
- ⑤ WHERE LOCATION OF A WIRING DEVICE CORRESPONDS WITH THE LOCATION OF A RAISED INSTRUCTION PLATFORM MOUNT DEVICES 18-INCHES ABOVE THE 12-INCH HIGH RAISED PLATFORM.

### SECOND DECK PLAN - AREA F - POWER

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



KEY PLAN

GRAPHIC SCALE

1/8" = 1'-0"

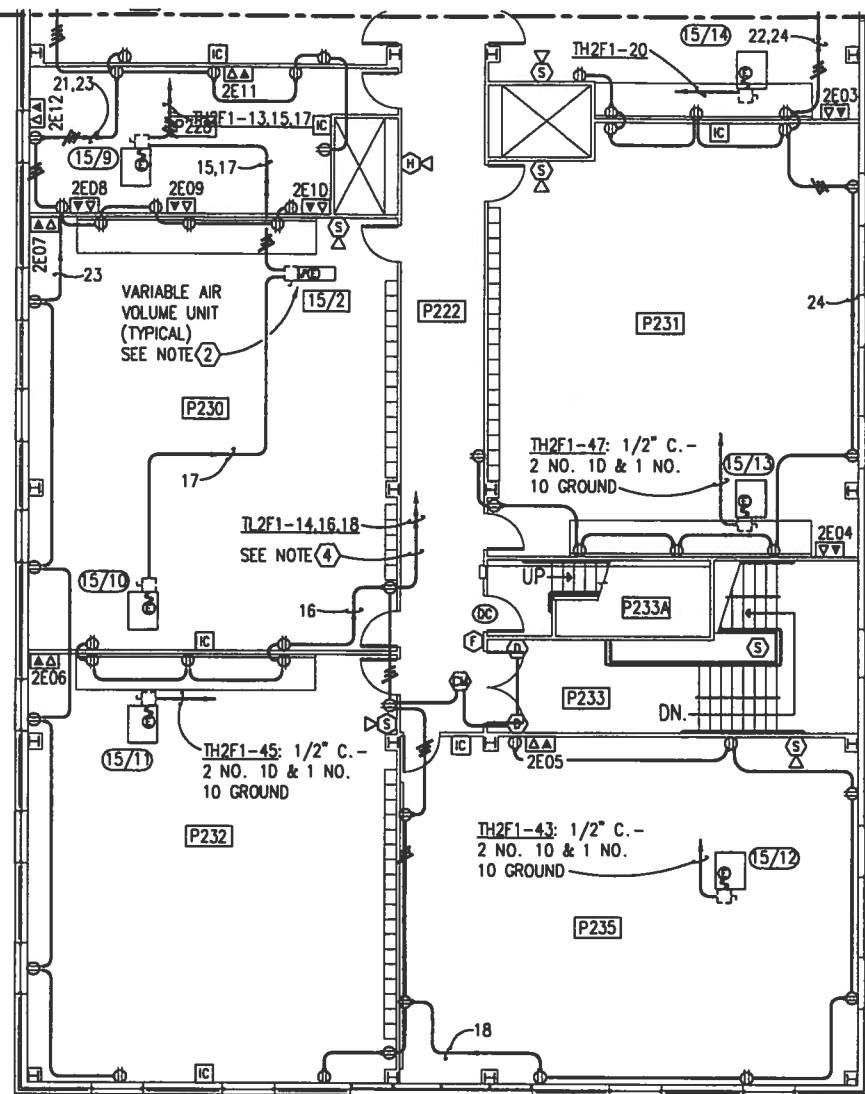
6' 3' 0' 6' 12' 18'

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

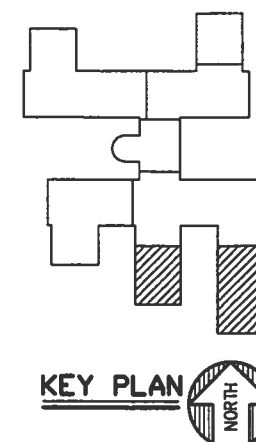
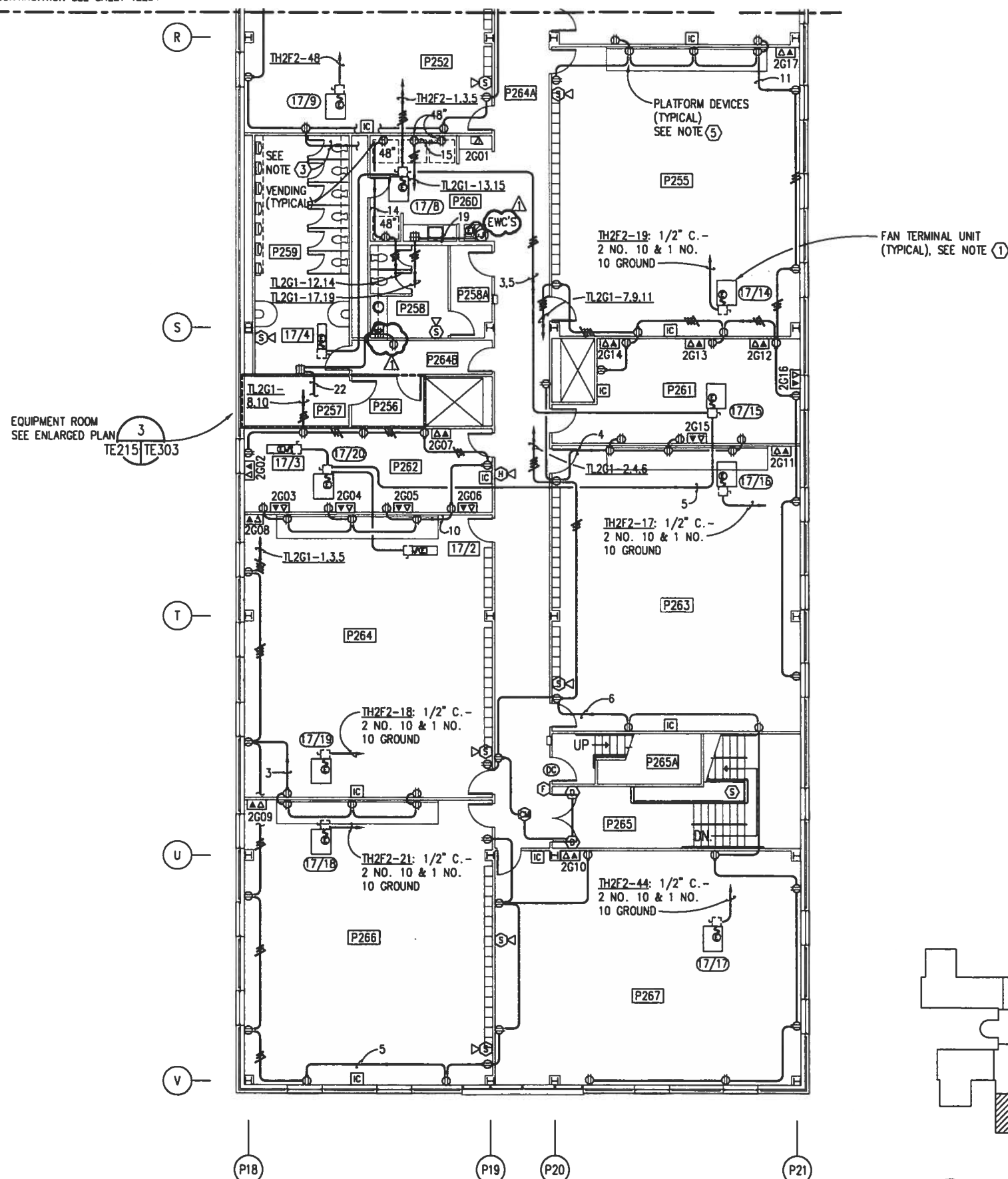
REVISIONS	DATE	APPROVED	BY	DATE	APPROVED	BY
1	7/26/95	K. BEAVERS	7/26/95	7/26/95	7/26/95	7/26/95
GENERAL REVISIONS						
SOUTHERN DIVISION						
CHARLESTON, S.C.						
NAVAL WEAPONS STATION						
NNPTC TRAINING COMPLEX						
DRAWING NO. 532131						
SHEET 428 OF 428						
TE23						

MATCH LINE - FOR CONTINUATION SEE SHEET TE234



## NOTES

- ① UNITS DESIGNATED WITH AN ELONGATE OVAL ARE FAN TERMINAL UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A FRACTIONAL HORSEPOWER FAN AND ELECTRIC DUCT HEATER CONFIGURED FOR A SINGLE POINT 277 VOLT, 1 PHASE POWER CONNECTION.
- ② UNITS DESIGNATED WITH A RECTANGLE ARE VARIABLE AIR VOLUME UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A 277 VOLT, 1 PHASE CONTROL POWER CONNECTION.
- ③ TO LIGHTING, SEE SHEET TE215.
- ④ PROVIDE 1/2-INCH CONDUIT WITH (4) NO. 10 AND (1) NO. 10 GROUND.
- ⑤ WHERE LOCATION OF A WIRING DEVICE CORRESPONDS WITH THE LOCATION OF A RAISED INSTRUCTION PLATFORM MOUNT DEVICES 18-INCHES ABOVE THE 12-INCH HIGH RAISED PLATFORM.



## SECOND DECK PLAN - AREA G - POWER

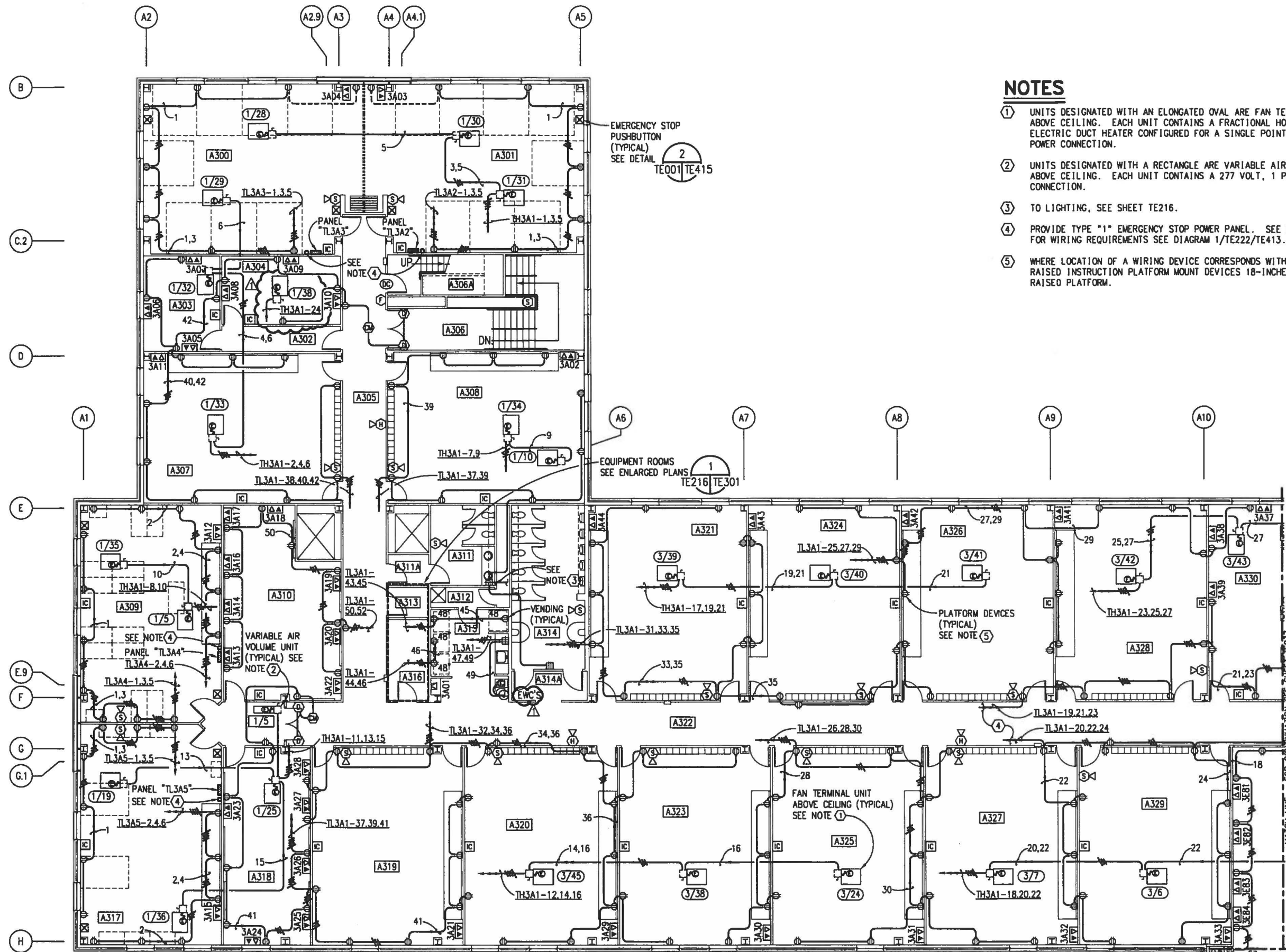
SCALE: 1/8"=1'-0"

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

## GRAPHIC SCALE

$$1/8'' = 1'-0''$$

## TRAINING FACILITY



# THIRD DECK PLAN - AREA A - POWER

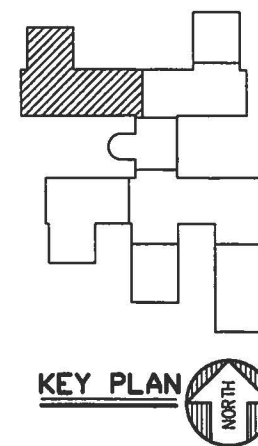
SCALE: 1/8"=1'-0"



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

## NOTES

- UNITS DESIGNATED WITH AN ELONGATED OVAL ARE FAN TERMINAL UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A FRACTIONAL HORSEPOWER FAN AND ELECTRIC DUCT HEATER CONFIGURED FOR A SINGLE POINT 277 VOLT, 1 PHASE POWER CONNECTION.
- UNITS DESIGNATED WITH A RECTANGLE ARE VARIABLE AIR VOLUME UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A 277 VOLT, 1 PHASE CONTROL POWER CONNECTION.
- TO LIGHTING, SEE SHEET TE216.
- PROVIDE TYPE "1" EMERGENCY STOP POWER PANEL. SEE DETAIL 1/TE222/TE412. FOR WIRING REQUIREMENTS SEE DIAGRAM 1/TE222/TE413.
- WHERE LOCATION OF A WIRING DEVICE CORRESPONDS WITH THE LOCATION OF A RAISED INSTRUCTION PLATFORM MOUNT DEVICES 18-INCHES ABOVE THE 12-INCH HIGH RAISED PLATFORM.



KEY PLAN

GRAPHIC SCALE

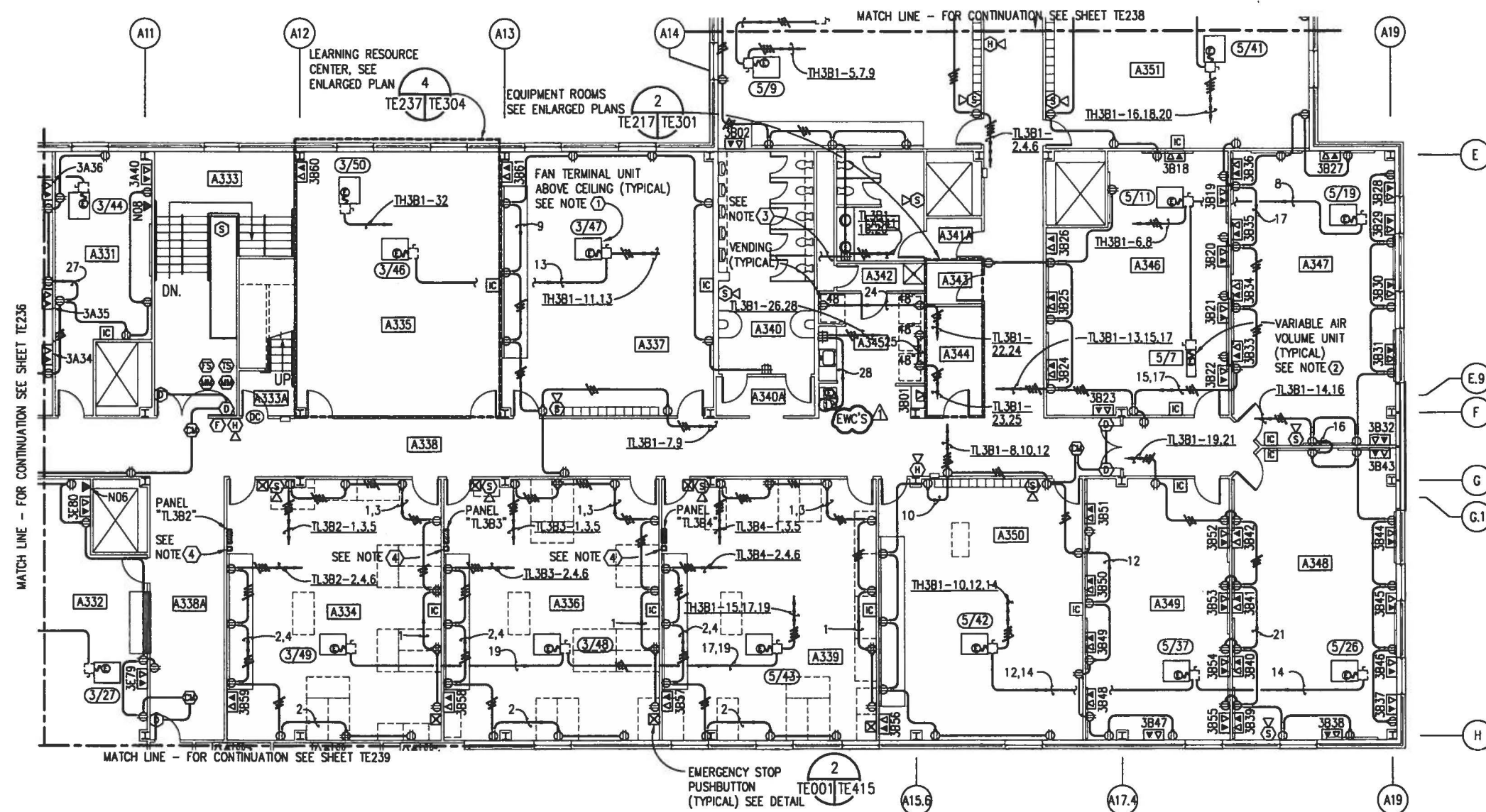
1/8" = 1'-0"

6' 3' 0' 6' 12' 18'

TRAINING FACILITY

REV.	DESCRIPTION	DATE	APPROVED
A	GENERAL REVISIONS	7/26/96	E.P.M.
1	REVISIONS	7/26/96	E.P.M.
2	REVISIONS	7/26/96	E.P.M.
3	REVISIONS	7/26/96	E.P.M.
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63	REVISIONS	7/26/96	E.P.M.
64	REVISIONS	7/26/96	E.P.M.
65	REVISIONS	7/26/96	E.P.M.
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95	REVISIONS	7/26/96	E.P.M.
96	REVISIONS	7/26/96	E.P.M.
97	REVISIONS	7/26/96	E.P.M.
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99	REVISIONS	7/26/96	E.P.M.
100	REVISIONS	7/26/96	E.P.M.





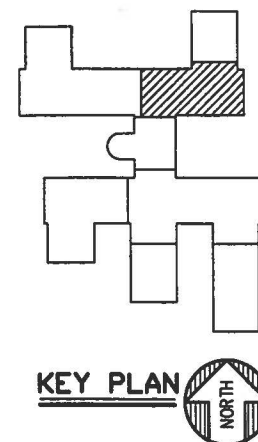
### THIRD DECK PLAN - AREA B - POWER

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

#### NOTES

- ① UNITS DESIGNATED WITH AN ELONGATED OVAL ARE FAN TERMINAL UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A FRACTIONAL HORSEPOWER FAN AND ELECTRIC DUCT HEATER CONFIGURED FOR A SINGLE POINT 277 VOLT, 1 PHASE POWER CONNECTION.
- ② UNITS DESIGNATED WITH A RECTANGLE ARE VARIABLE AIR VOLUME UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A 277 VOLT, 1 PHASE CONTROL POWER CONNECTION.
- ③ TO LIGHTING, SEE SHEET TE217.
- ④ PROVIDE TYPE "1" EMERGENCY STOP POWER PANEL. SEE DETAIL 1/TE222/TE412. FOR WIRING REQUIREMENTS SEE DIAGRAM 1/TE222/TE413.
- ⑤ WHERE LOCATION OF A WIRING DEVICE CORRESPONDS WITH THE LOCATION OF A RAISED INSTRUCTION PLATFORM MOUNT DEVICES 18-INCHES ABOVE THE 12-INCH HIGH RAISED PLATFORM.

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



KEY PLAN

GRAPHIC SCALE

1/8" = 1'-0"

6' 3' 0' 6' 12' 18'

TRAINING FACILITY

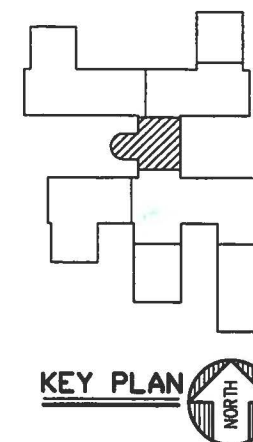
RECORD OF REVISIONS	REVISIONS	DATE	APPROVED	BY	DATE	APPROVED	BY
1	GENERAL REVISIONS	7/26/96	C.M.P.	K. BEAVERS	7/26/96	C.M.P.	K. BEAVERS
2							
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- ① UNITS DESIGNATED WITH AN ELONGATED OVAL ARE FAN TERMINAL UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A FRACTIONAL HORSEPOWER FAN AND ELECTRIC DUCT HEATER CONFIGURED FOR A SINGLE POINT 277 VOLT, 1 PHASE POWER CONNECTION.
- ② UNITS DESIGNATED WITH A RECTANGLE ARE VARIABLE AIR VOLUME UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A 277 VOLT, 1 PHASE CONTROL POWER CONNECTION.
- ③ PROVIDE POWER AND CONTROL JUNCTION BOXES ABOVE CEILING FOR FUTURE CARD READER, SEE DOOR MONITOR SYSTEM RISER DIAGRAM 1/TE225/TE416.
- ④ EXTEND CONDUITS FROM THESE OUTLETS BELOW FLOOR TO NEAREST PARTITION WALL THEN RISE IN WALL TO ABOVE CEILING.

D317  
2x  $\Delta$  ~~12~~ No 2



## KEY PLAIN

### GRAPHIC SCALE



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

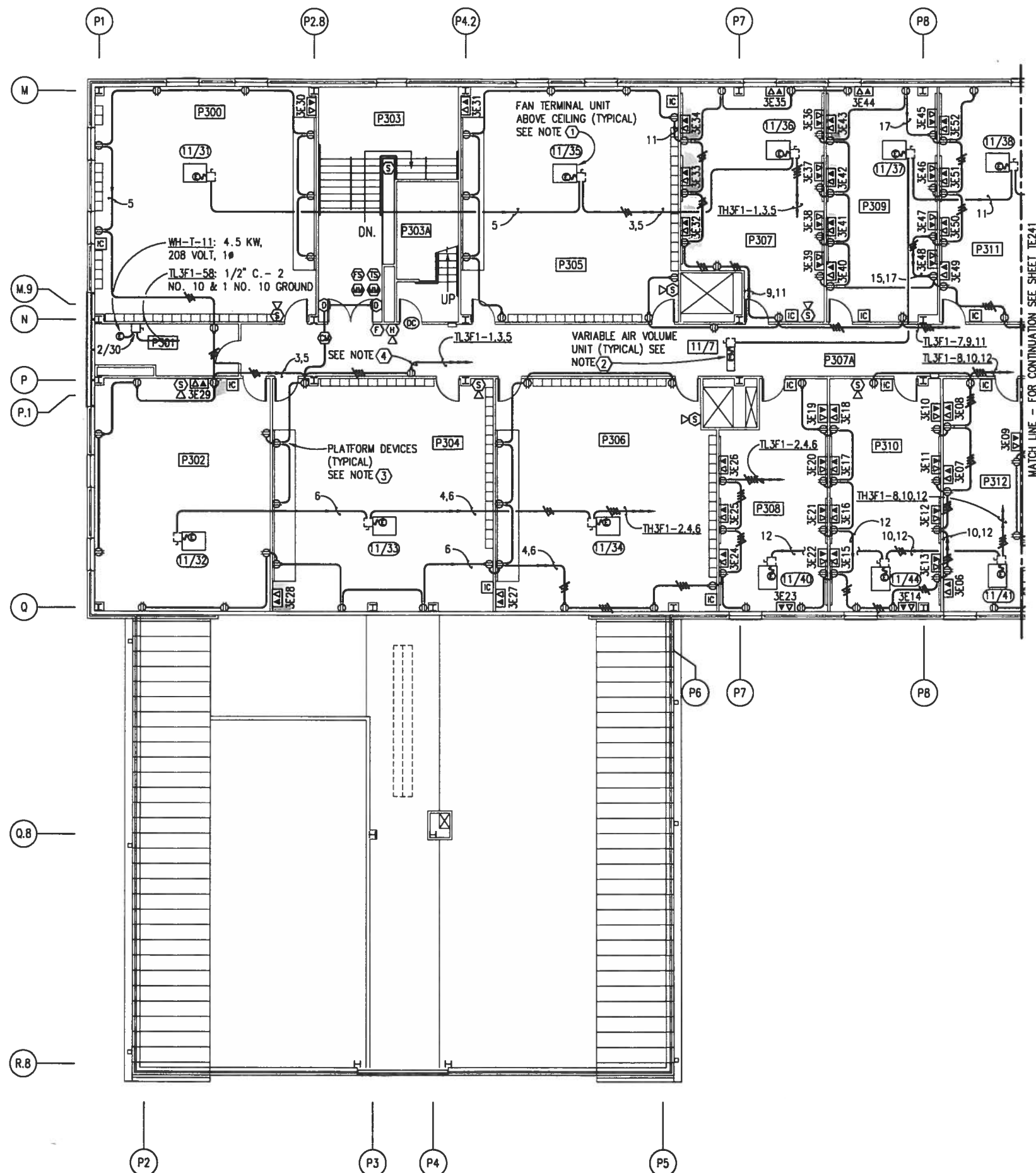
IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

## TRAINING FACILITY

[illegible]

9512TE07/NP3 (AREA\_D)





### THIRD DECK PLAN - AREA E - POWER

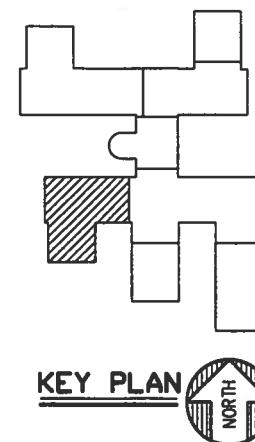
SCALE: 1/8"=1'-0"



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

### NOTES

- ① UNITS DESIGNATED WITH AN ELONGATED OVAL ARE FAN TERMINAL UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A FRACTIONAL HORSEPOWER FAN AND ELECTRIC DUCT HEATER CONFIGURED FOR A SINGLE POINT 277 VOLT, 1 PHASE POWER CONNECTION.
- ② UNITS DESIGNATED WITH A RECTANGLE ARE VARIABLE AIR VOLUME UNITS LOCATED ABOVE CEILING. EACH UNIT CONTAINS A 277 VOLT, 1 PHASE CONTROL POWER CONNECTION.
- ③ WHERE LOCATION OF A WIRING DEVICE CORRESPONDS WITH THE LOCATION OF A RAISED INSTRUCTION PLATFORM MOUNT DEVICES 18-INCHES ABOVE THE 12-INCH HIGH RAISED PLATFORM.
- ④ PROVIDE 1/2-INCH CONDUIT WITH (4) NO. 10 AND (1) NO. 10 GROUND.



KEY PLAN

GRAPHIC SCALE

1/8" = 1'-0"

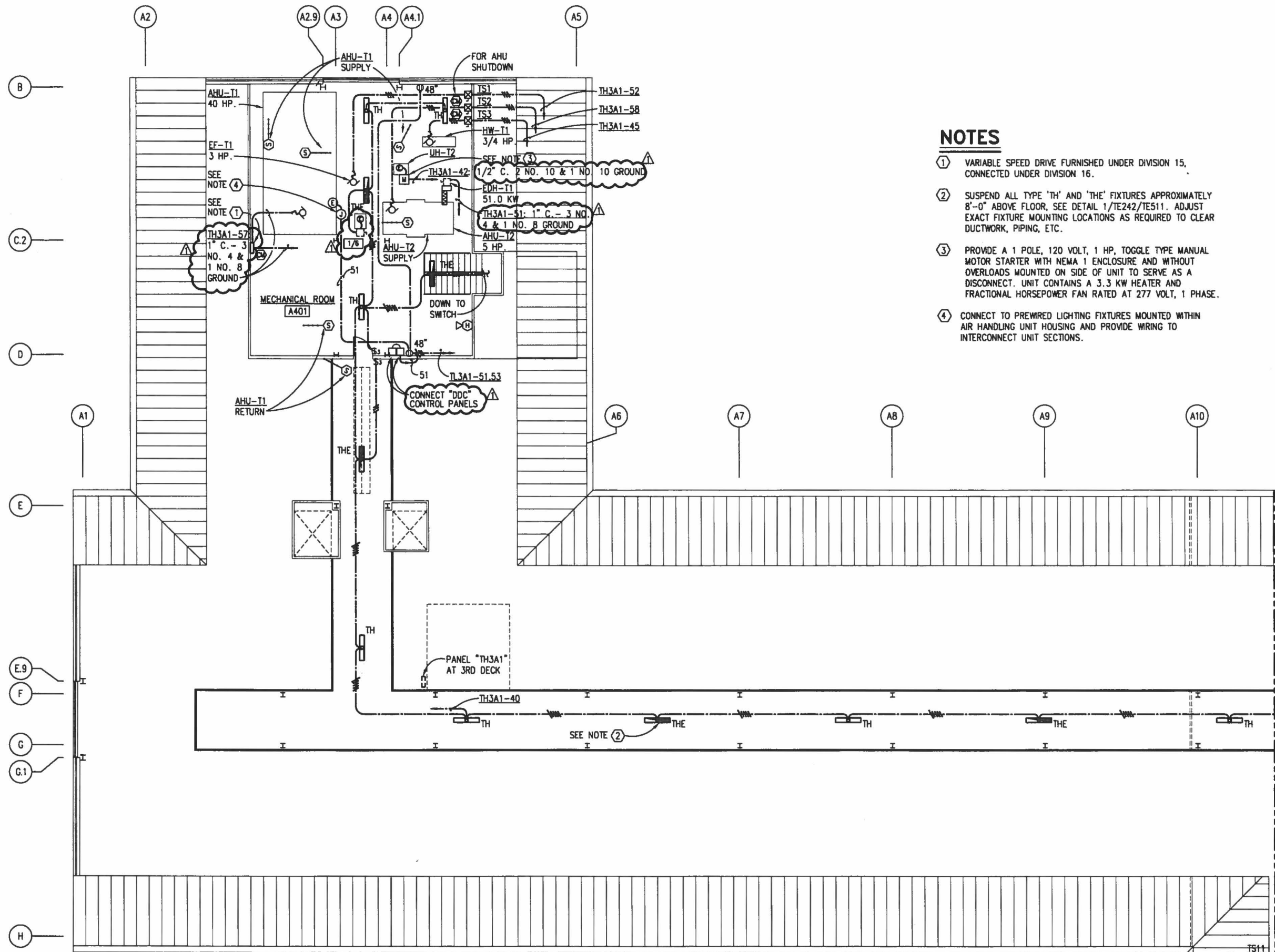
6' 3' 0' 6' 12' 18'

TRAINING FACILITY

REV.	DESCRIPTION	PREP BY	DATE	APPROV	ACCORD
Δ	GENERAL REVISIONS	K. BEAVERS	7/25/96	CRW	ACCORD
NAVAL WEAPONS STATION					NAVY
SOUTHERN DIVISION					NAVY
CHARLESTON, S.C.					NAVY
NNPTC TRAINING COMPLEX					NAVY
RECORD DRAWING DATE					NAVY
CODE LD NO.					NAVY
DRAWING SIZE:					NAVY
SPEC. NO. 06-95					NAVY
CONSTR. CONTR. NO.					NAVY
NAVJAC DRAWING NO.					NAVY
532132					NAVY
SHEET 434 OF					NAVY
TE24					NAVY

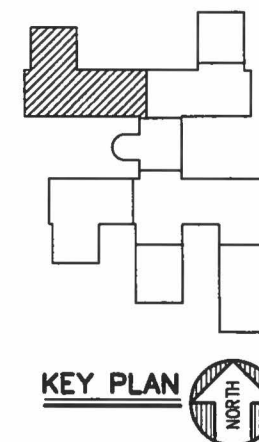






### NOTES

- ① VARIABLE SPEED DRIVE FURNISHED UNDER DIVISION 15, CONNECTED UNDER DIVISION 16.
- ② SUSPEND ALL TYPE 'TH' AND 'THE' FIXTURES APPROXIMATELY 8'-0" ABOVE FLOOR. SEE DETAIL 1/TE242/TE511. ADJUST EXACT FIXTURE MOUNTING LOCATIONS AS REQUIRED TO CLEAR DUCTWORK, PIPING, ETC.
- ③ PROVIDE A 1 POLE, 120 VOLT, 1 HP, TOGGLE TYPE MANUAL MOTOR STARTER WITH NEMA 1 ENCLOSURE AND WITHOUT OVERLOADS MOUNTED ON SIDE OF UNIT TO SERVE AS A DISCONNECT. UNIT CONTAINS A 3.3 KW HEATER AND FRACTIONAL HORSEPOWER FAN RATED AT 277 VOLT, 1 PHASE.
- ④ CONNECT TO PREWIRED LIGHTING FIXTURES MOUNTED WITHIN AIR HANDLING UNIT HOUSING AND PROVIDE WIRING TO INTERCONNECT UNIT SECTIONS.



GRAPHIC SCALE

1/8" = 1'-0"

### ATTIC DECK PLAN - AREA A - ELECTRICAL

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

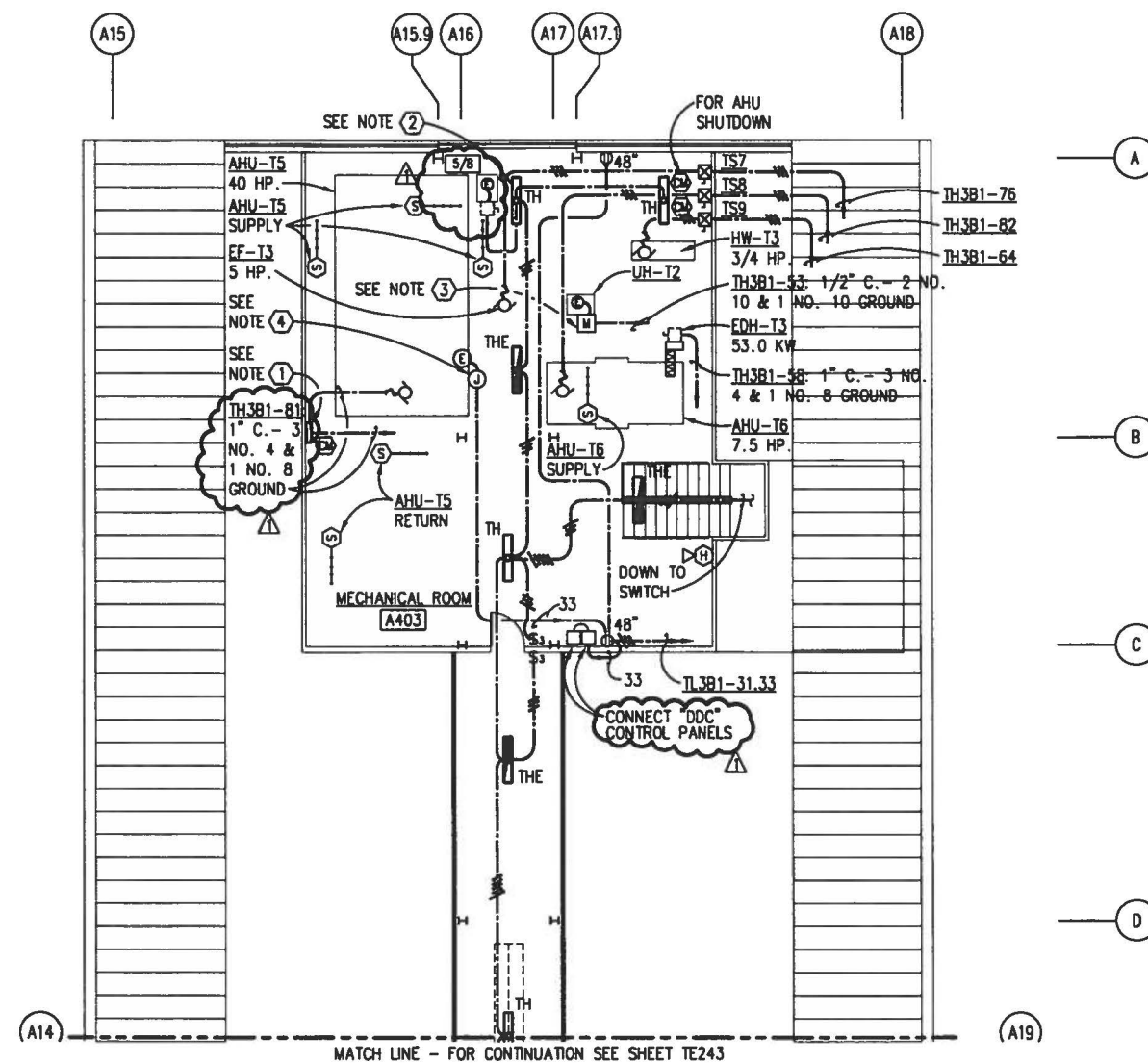


IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REV.	DESCRIPTION	PREP BY	DATE	APPROV
Δ	GENERAL REVISIONS	K. BEAVERS	7/26/96	C.R.771
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C. NAVAL WEAPONS STATION NNPTC TRAINING COMPLEX CHARLESTON, S.C.				
DESIGNED BY	K23 Architects, Inc. 30 North 14th Street Jacksonville, Florida 32202			
DRAWN BY	MORLEY			
CHECKED BY	PHILLIPS			
DATE	PARTNER 21 MAY 1996			
CODE LD NO.				
DRAWING SIZE:				
SPEC. NO. 06-95-				
CONSTRUCTION CONTR. NO.	N62467-95-C			
MANUFACTURING NO.	532132			
SHEET 436 OF	TE24			





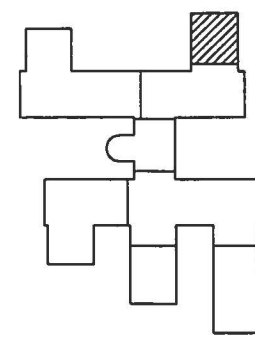
# ATTIC DECK PLAN - AREA C - ELECTRICAL

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



## NOTES

- VARIABLE SPEED DRIVE FURNISHED UNDER DIVISION 15, CONNECTED UNDER DIVISION 16.
- SUSPEND ALL TYPE 'TH' AND 'THE' FIXTURES APPROXIMATELY 8'-0" ABOVE FLOOR, SEE DETAIL 1/TE242/TE511. ADJUST EXACT FIXTURE MOUNTING LOCATIONS AS REQUIRED TO CLEAR DUCTWORK, PIPING, ETC.
- PROVIDE A 1 POLE, 120 VOLT, 1 HP, TOGGLE TYPE MANUAL MOTOR STARTER WITH NEMA 1 ENCLOSURE AND WITHOUT OVERLOADS MOUNTED ON SIDE OF UNIT TO SERVE AS A DISCONNECT. UNIT CONTAINS A 3.3 KW HEATER AND FRACTIONAL HORSEPOWER FAN RATED AT 277 VOLT, 1 PHASE.
- CONNECT TO PREWIRED LIGHTING FIXTURES MOUNTED WITHIN AIR HANDLING UNIT HOUSING AND PROVIDE WIRING TO INTERCONNECT UNIT SECTIONS.



KEY PLAN

GRAPHIC SCALE

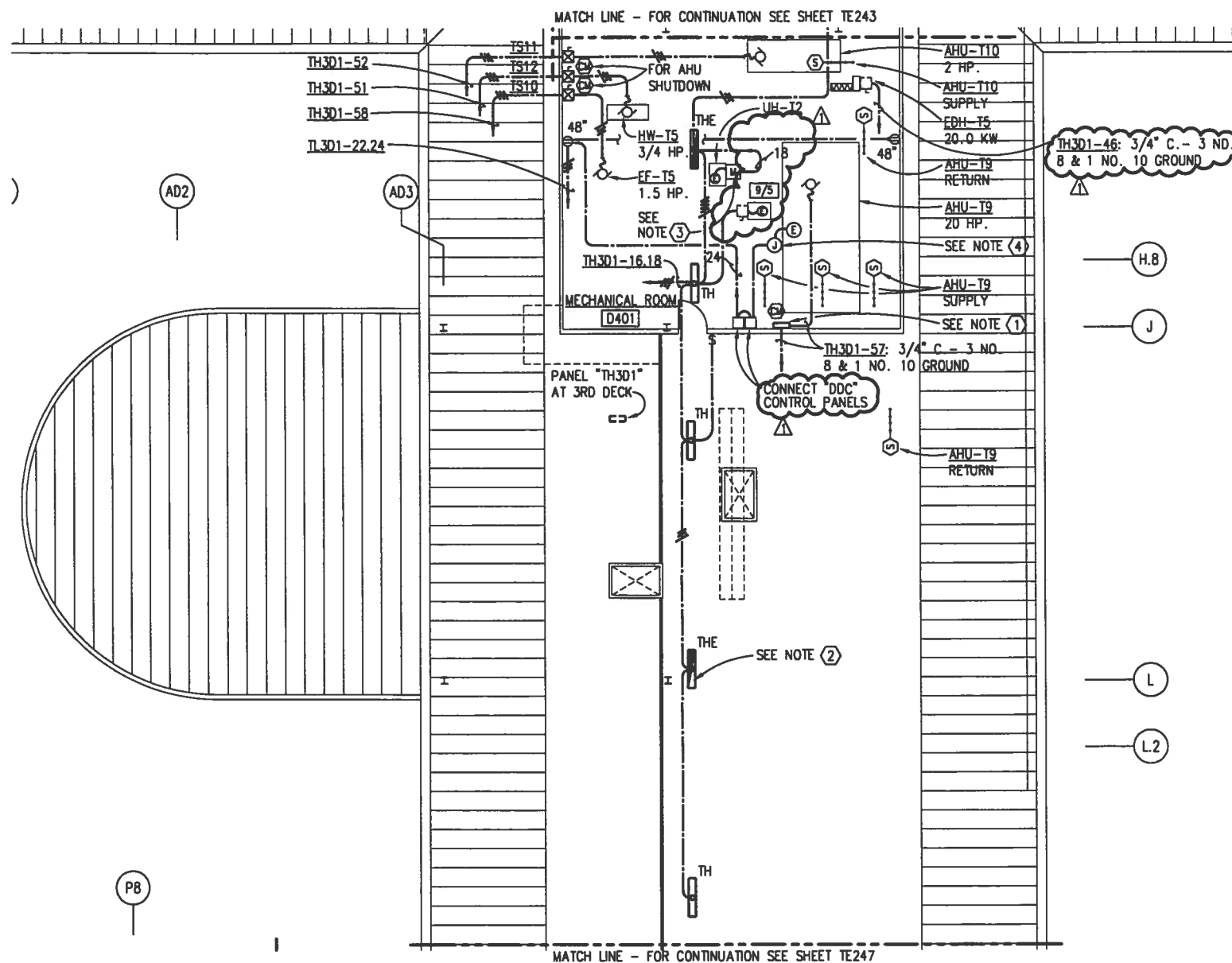
1/8" = 1'-0"

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REV.	DESCRIPTION	PREP BY	DATE	APPROV
1	GENERAL REVISIONS	K. BEANER	7/26/96	EA/T
DEPARTMENT OF THE NAVY SOUTHERN DIVISION CHARLESTON, S.C. NAVAL WEAPONS STATION NNPTC TRAINING COMPLEX CHARLESTON, S.C.				
SEAL AREA CERTIFIED No. 3166 REGISTERED ELECTRICAL ENGINEER RECORD DRAWING DATE CODE LD NO. DRAWING SIZE SPEC. NO. 06-95 CONSTRUCTION CODE NO. N62467-95-C DRAWING NO. 532132 SHEET 438 OF				
TE24				





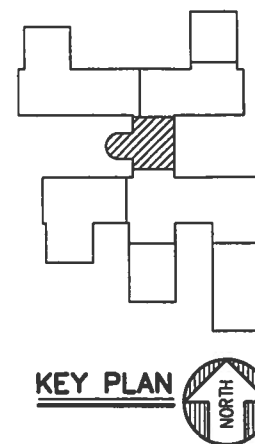
# ATTIC DECK PLAN - AREA D - ELECTRICAL

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



## NOTES

- VARIABLE SPEED DRIVE FURNISHED UNDER DIVISION 15, CONNECTED UNDER DIVISION 16.
- SUSPEND ALL TYPE 'TH' AND 'THE' FIXTURES APPROXIMATELY 8'-0" ABOVE FLOOR, SEE DETAIL 1/TE242/TE511. ADJUST EXACT FIXTURE MOUNTING LOCATIONS AS REQUIRED TO CLEAR DUCTWORK, PIPING, ETC.
- PROVIDE A 1 POLE, 120 VOLT, 1 HP, TOGGLE TYPE MANUAL MOTOR STARTER WITH NEMA 1 ENCLOSURE AND WITHOUT OVERLOADS MOUNTED ON SIDE OF UNIT TO SERVE AS A DISCONNECT. UNIT CONTAINS A 3.3 KW HEATER AND FRACTIONAL HORSEPOWER FAN RATED AT 277 VOLT, 1 PHASE.
- CONNECT TO PREWIRED LIGHTING FIXTURES MOUNTED WITHIN AIR HANDLING UNIT HOUSING AND PROVIDE WIRING TO INTERCONNECT UNIT SECTIONS.



KEY PLAN

GRAPHIC SCALE

1/8" = 1'-0"

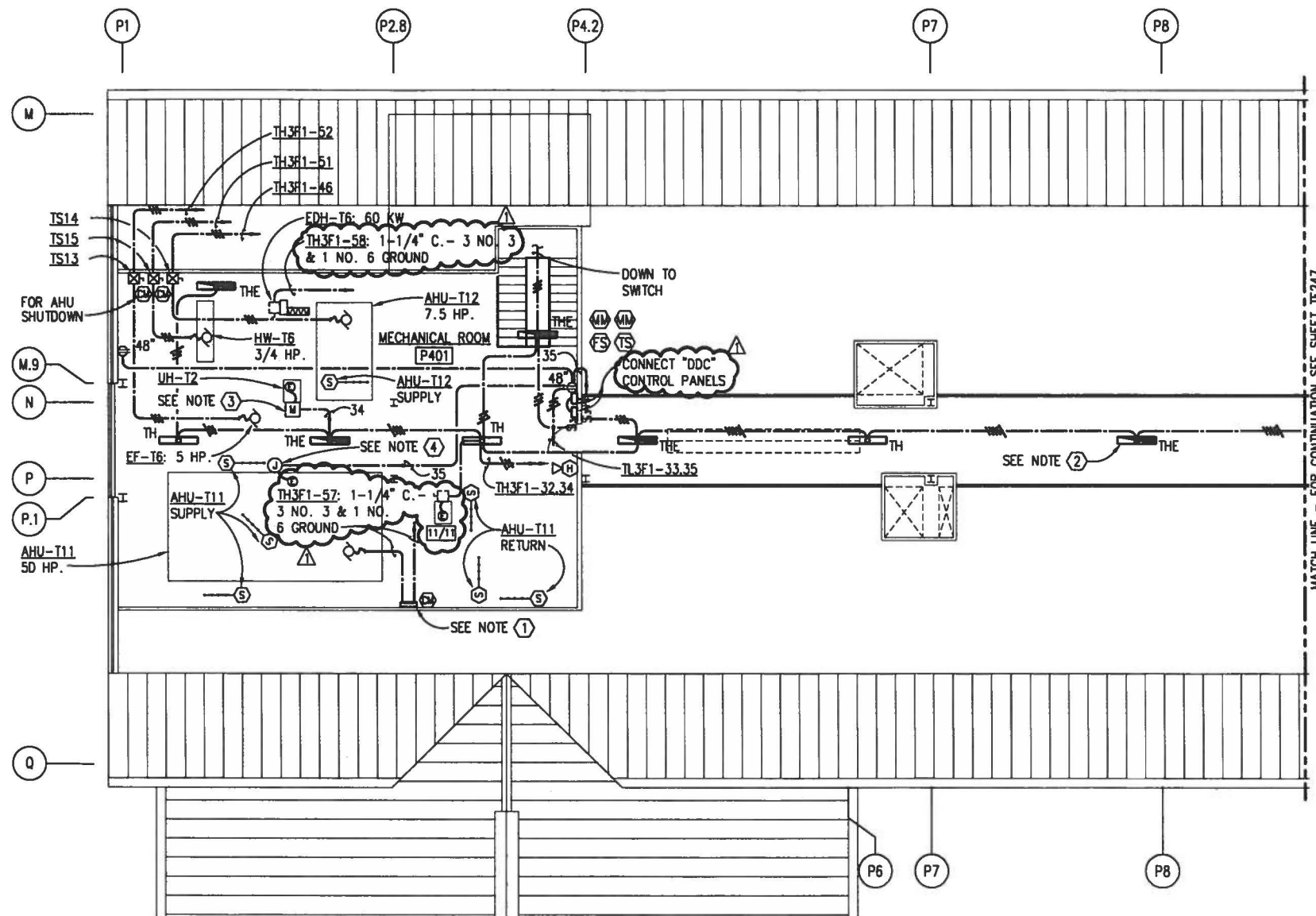


IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

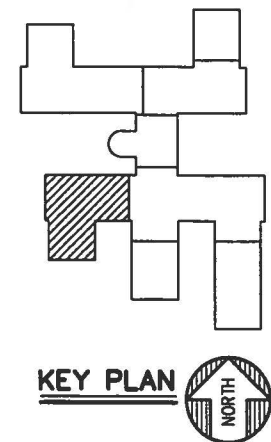
REV.	DESCRIPTION	PREP BY	DATE	APPROV
Δ	GENERAL REVISIONS	K. BEAVERS	7/26/96	CRT
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C. NAVAL WEAPONS STATION NNPTC TRAINING COMPLEX				
SEAL AREA AUTHORITY NO. 319 DATE 5/31/96 BY J. K. BEAVERS FOR J. K. BEAVERS RECORD DRAWMAN CODE LD NO. DRAWING SIZE: SPEC. NO. 06-95- CONSTR. CONTR. NO. N62467-95-C NAVFAC DRAWING NO. 532132 SHEET 439 OF				
TE24				

9512TE08/NP4 (AREA E)



# ATTIC DECK PLAN - AREA E - ELECTRICAL

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



KEY PLAN

GRAPHIC SCALE

1/8" = 1'-0" 6' 3' 0 6' 12' 18'

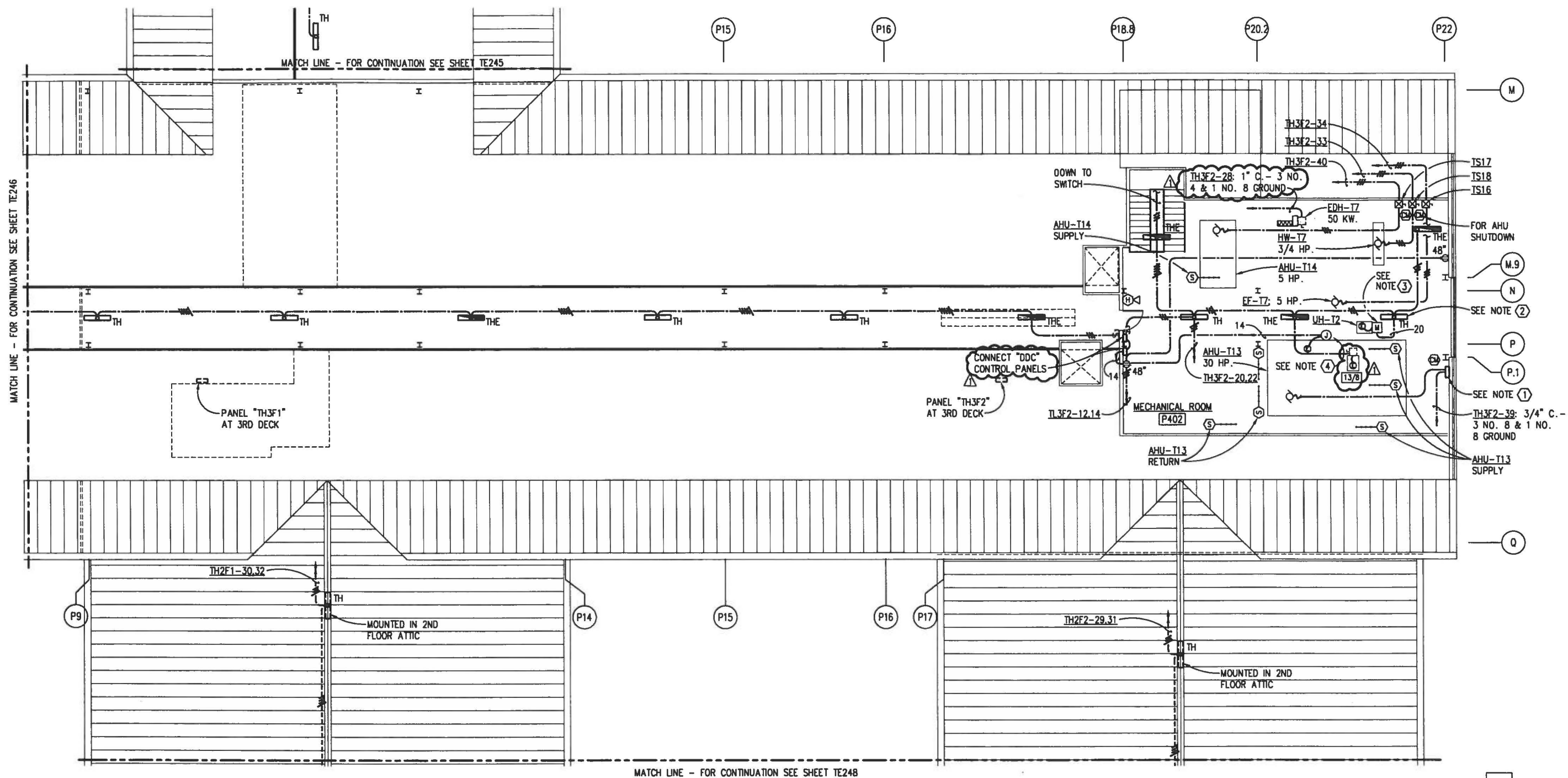
## NOTES

- 1 VARIABLE SPEED DRIVE FURNISHED UNDER DIVISION 15, CONNECTED UNDER DIVISION 16.
- 2 SUSPEND ALL TYPE 'TH' AND 'THE' FIXTURES APPROXIMATELY 8'-0" ABOVE FLOOR, SEE DETAIL 1/TE242/TE511. ADJUST EXACT FIXTURE MOUNTING LOCATIONS AS REQUIRED TO CLEAR DUCTWORK, PIPING, ETC.
- 3 PROVIDE A 1 POLE, 120 VOLT, 1 HP, TOGGLE TYPE MANUAL MOTOR STARTER WITH NEMA 1 ENCLOSURE AND WITHOUT OVERLOADS MOUNTED ON SIDE OF UNIT TO SERVE AS A DISCONNECT. UNIT CONTAINS A 3.3 KW HEATER AND FRACTIONAL HORSEPOWER FAN RATED AT 277 VOLT, 1 PHASE.
- 4 CONNECT TO PREWIRED LIGHTING FIXTURES MOUNTED WITHIN AIR HANDLING UNIT HOUSING AND PROVIDE WIRING TO INTERCONNECT UNIT SECTIONS.

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REV.		DESCRIPTION	PREP BY	DATE	APPROV
A		GENERAL REVISIONS	K. BEAVERS	7/26/96	EAT



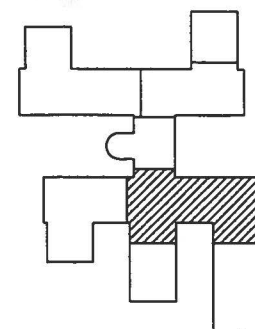
# ATTIC DECK PLAN - AREA F - ELECTRICAL

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

## NOTES

- ① VARIABLE SPEED DRIVE FURNISHED UNDER DIVISION 15, CONNECTED UNDER DIVISION 16.
- ② SUSPEND ALL TYPE 'TH' AND 'THE' FIXTURES APPROXIMATELY 8'-0" ABOVE FLOOR, SEE DETAIL 1/TE242/TE511. ADJUST EXACT FIXTURE MOUNTING LOCATIONS AS REQUIRED TO CLEAR DUCTWORK, PIPING, ETC.
- ③ PROVIDE A 1 POLE, 120 VOLT, 1 HP, TOGGLE TYPE MANUAL MOTOR STARTER WITH NEMA 1 ENCLOSURE AND WITHOUT OVERLOADS MOUNTED ON SIDE OF UNIT TO SERVE AS A DISCONNECT. UNIT CONTAINS A 3.3 KW HEATER AND FRACTIONAL HORSEPOWER FAN RATED AT 277 VOLT, 1 PHASE.
- ④ CONNECT TO PREWIRED LIGHTING FIXTURES MOUNTED WITHIN AIR HANDLING UNIT HOUSING AND PROVIDE WIRING TO INTERCONNECT UNIT SECTIONS.

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



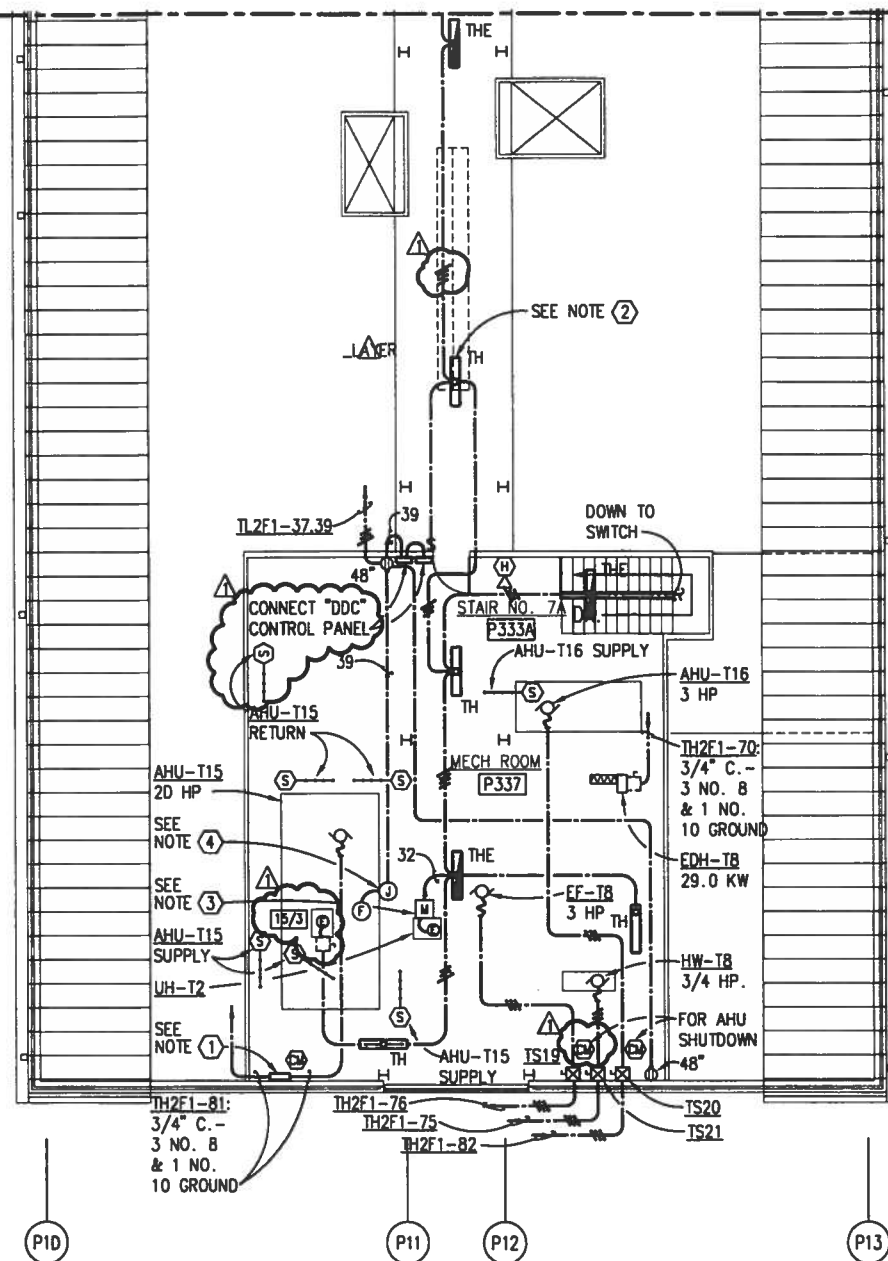
KEY PLAN

GRAPHIC SCALE

1/8" = 1'-0"



MATCH LINE - FOR CONTINUATION SEE SHEET TE247

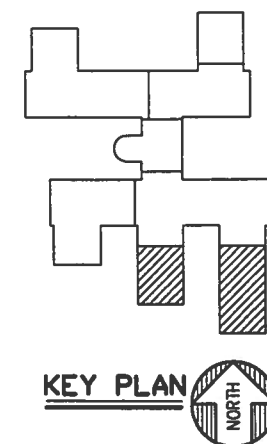
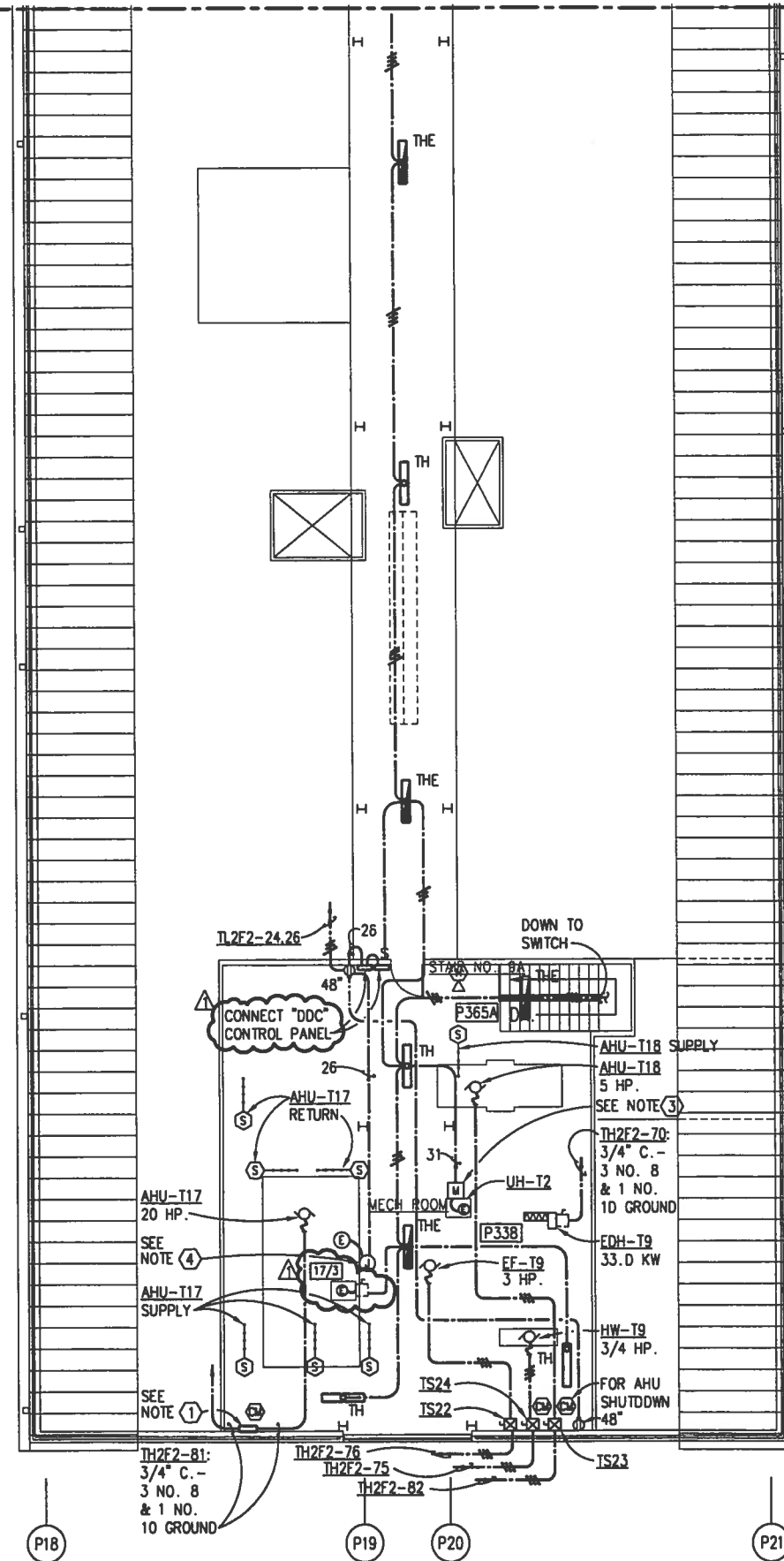
**NOTES**

- ① VARIABLE SPEED DRIVE FURNISHED UNDER DIVISION 15 CONNECTED UNDER DIVISION 16.
- ② SUSPEND ALL TYPE "TH" AND "THE" FIXTURES APPROXIMATELY 8'-0" ABOVE FLOOR, SEE DETAIL 1/TE242/TE511. ADJUST EXACT FIXTURE MOUNTING LOCATIONS AS REQUIRED TO CLEAR DUCTWORK, PIPING, ETC.
- ③ PROVIDE A 1 POLE, 120 VOLT, 1 HP, TOGGLE TYPE MANUAL MOTOR STARTER WITH NEMA 1 ENCLOSURE AND WITHOUT OVERLOADS MOUNTED ON SIDE OF UNIT TO SERVE AS A DISCONNECT. UNIT CONTAINS A 3.3 KW HEATER AND FRACTIONAL HORSEPOWER FAN RATED AT 277 VOLT, 1 PHASE.
- ④ CONNECT TO PREWIRED LIGHTING FIXTURES MOUNTED WITHIN AIR HANDLING UNIT HOUSING AND PROVIDE WIRING TO INTERCONNECT UNIT SECTIONS.

**ATTIC DECK PLAN - AREA G - ELECTRICAL**

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

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

**GRAPHIC SCALE**

1/8" = 1'-0"

6' 3' 0' 6' 12' 18'

TRAINING FACILITY

DEPARTMENT OF THE NAVY		NAVAL FACILITIES ENGINEERING COMMAND		DRAWING OF RECORD	
SOUTHERN DIVISION		CHARLESTON, S.C.		K03 Architects, Inc. 300 North Lake Street Jacksonville, Florida 32202	
NAVAL WEAPONS STATION		CHARLESTON, S.C.		11111	
NNPTC TRAINING COMPLEX		REV.		DESCRIPTION	
		A		GENERAL REVISIONS	
		PREP BY		DATE	
		K. BEAVERS		7/26/96	
		APPROV		CA/77	
		DATE		7/26/96	
		APPROV		CA/77	
		GENERAL REVISIONS		A	
		PREP BY		K. BEAVERS	
		DATE		7/26/96	
		APPROV		CA/77	
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		APPROV		CA/77	
		GENERAL REVISIONS		A	
		PREP BY		K. BEAVERS	
		DATE		7/26/96	
		APPROV		CA/77	
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		GENERAL REVISIONS		A	
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		DATE		7/26/96	
		APPROV		CA/77	
		DATE		7/26/96	
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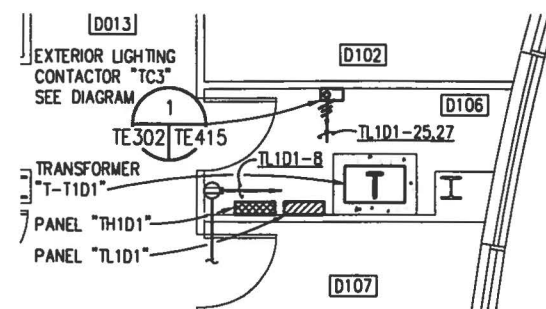
DESIGNED BY RECORD  
 KBJ Architects, Inc.  
 30 North Main Street  
 Jacksonville, Florida 32202  
 NO. 1000  
 53213  
 PHILLIPS  
 PARTNER 21 MAY 1996



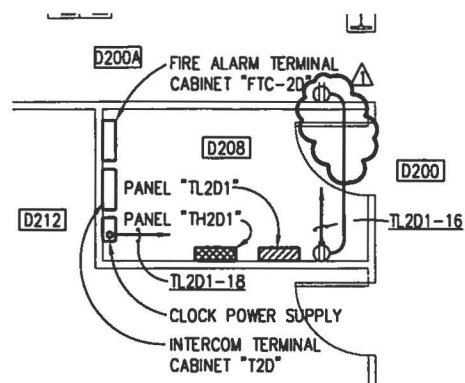




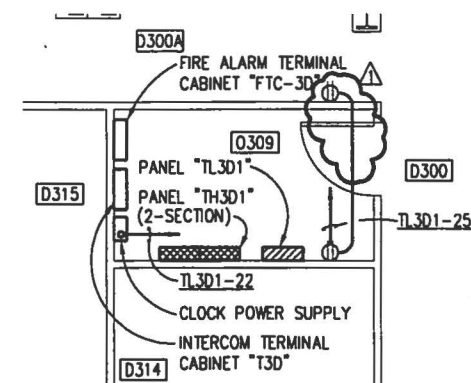




FIRST FLOOR



SECOND FLOOR

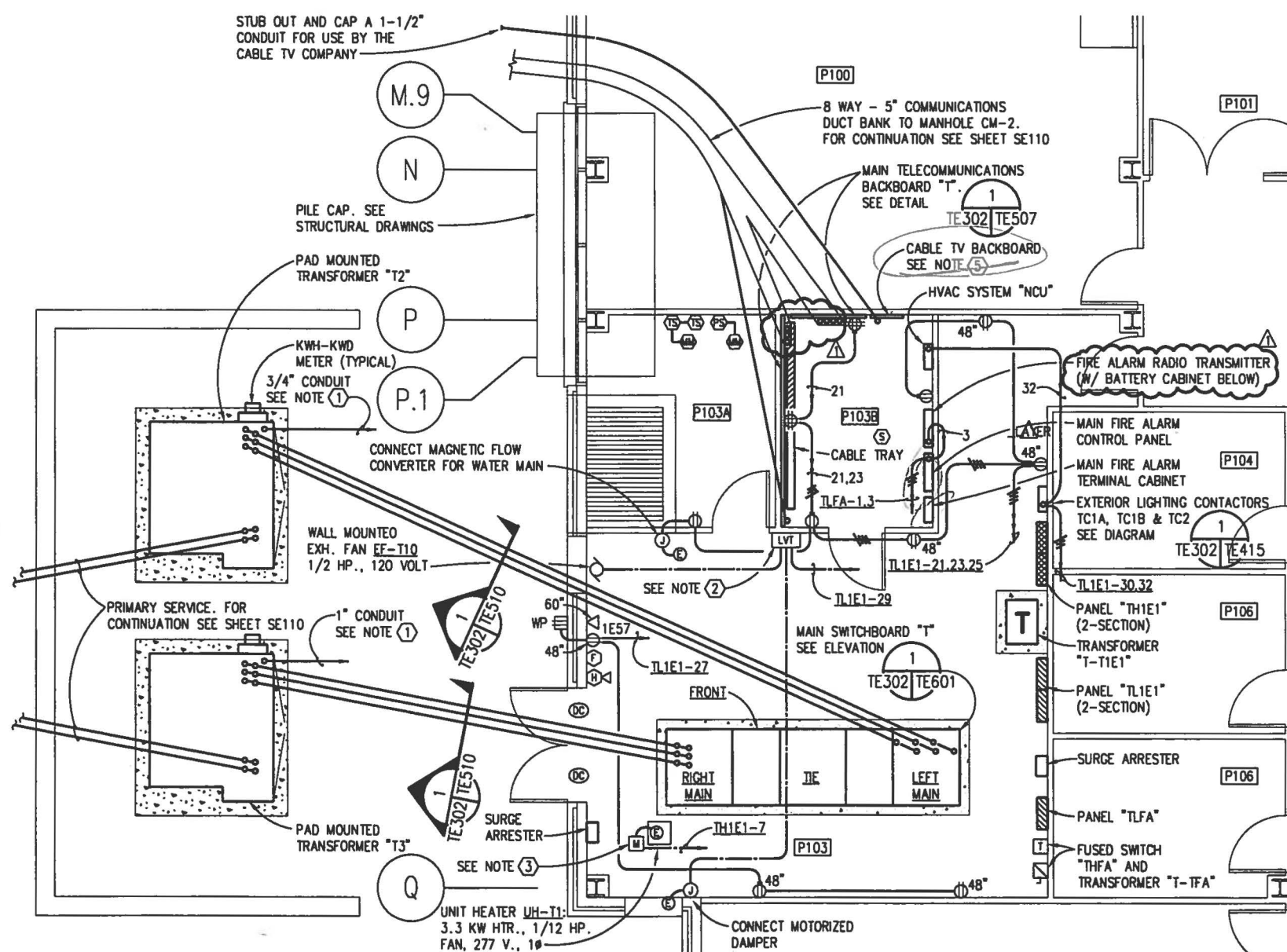


THIRD FLOOR

## AREA "D" ENLARGED EQUIPMENT ROOMS - ELECTRICAL

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

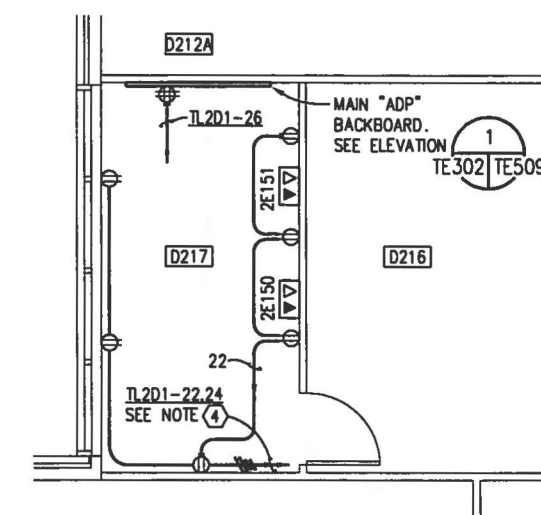
TE205 TE302



## ENLARGED MAIN ELECTRIC ROOM - ELECTRICAL

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

TE206 TE302



## ENLARGED DATA ROOM - ELECTRICAL

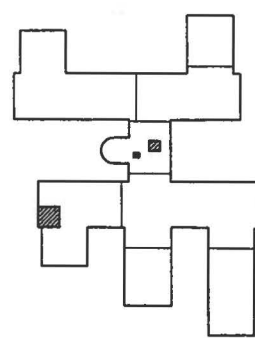
SCALE: 1/4"=1'-0"

TE232 TE302



## NOTES

- EXTEND A 3/4" CONDUIT FROM THE SECONDARY COMPARTMENT OF EACH PAD MOUNTED TRANSFORMER TO TELECOMMUNICATIONS BACKBOARD "T" FOR REMOTE MONITORING OF METER DATA.
- CONNECT LINE VOLTAGE THERMOSTAT TO SIMULTANEOUSLY ENERGIZE EXHAUST FAN AND ACTIVATE MOTORIZED DAMPER.
- PROVIDE A 1 POLE, 277 VOLT, 1 HP. TOGGLE TYPE MANUAL MOTOR STARTING SWITCH WITH NEMA 1 ENCLOSURE AND WITHOUT OVERLOADS MOUNTED ON SIDE OF UNIT TO SERVE AS A DISCONNECT.
- PROVIDE A SEPARATE NEUTRAL FOR EACH CIRCUIT.
- PROVIDE A 24" SQUARE, 3/4" THICK PLYWOOD BACKBOARD PAINTED TO MATCH WALL WITH TWO COATS OF FIRE RETARDANT PAINT FOR USE BY THE CABLE TV COMPANY.



## KEY PLAN

## GRAPHIC SCALE

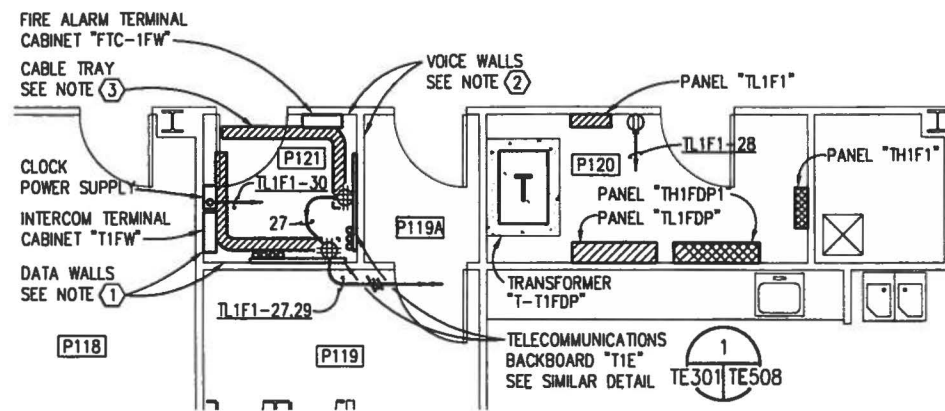
1/4" = 1'-0"

TRAINING FACILITY

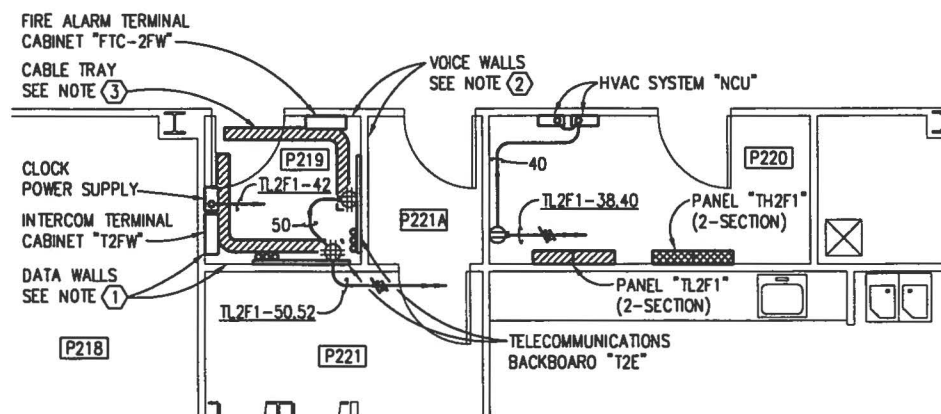
9512TE52/NP1/NP2/NP3 (PS2)

REVISION	DATE	APPROVED	BY	DESCRIPTION
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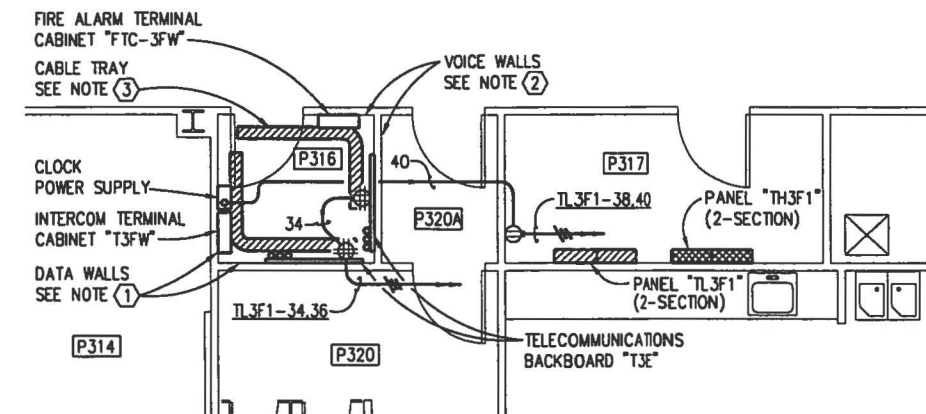




FIRST FLOOR



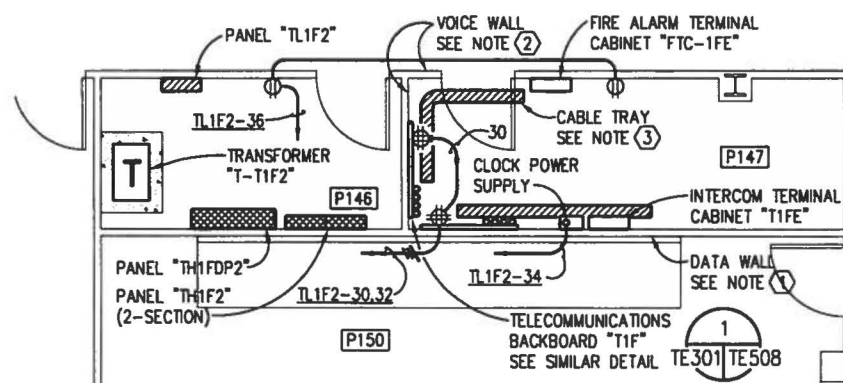
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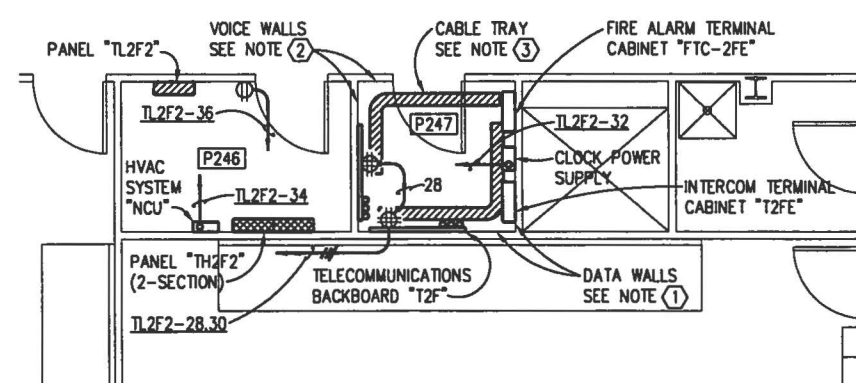
THIRD FLOOR

## AREA "F" WEST ENLARGED EQUIPMENT ROOMS - ELECTRICAL

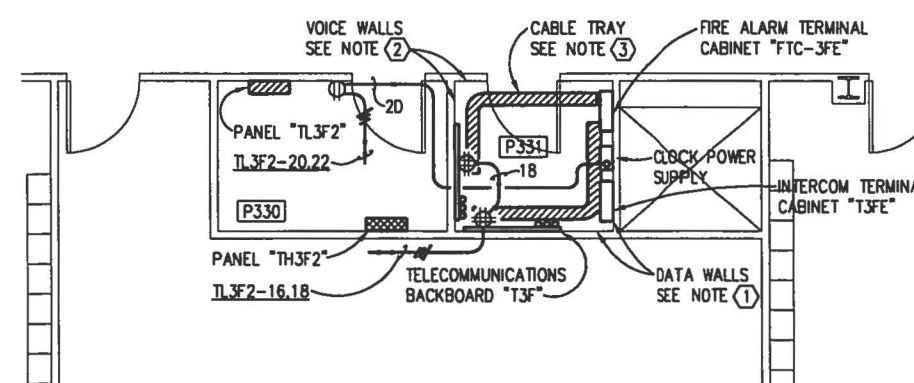
SCALE: 1/4"=1'-0"



FIRST FLOOR



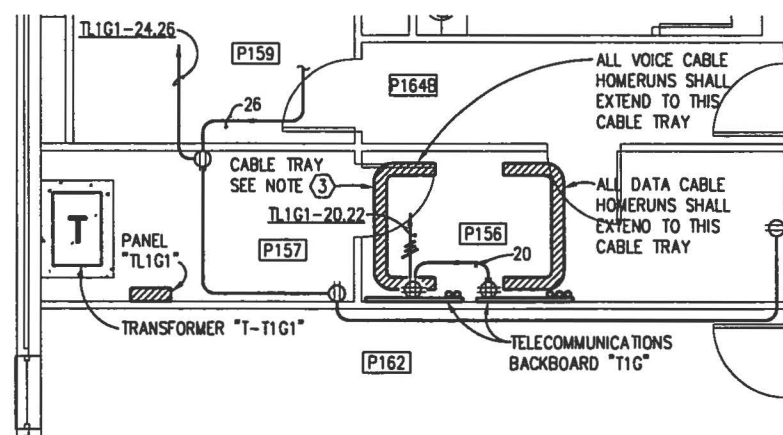
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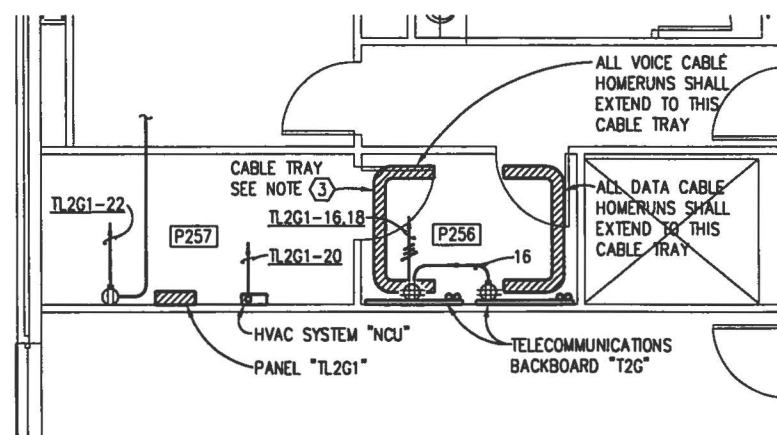
THIRD FLOOR

## AREA "F" EAST ENLARGED EQUIPMENT ROOMS - ELECTRICAL

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



FIRST FLOOR



SECOND FLOOR

### NOTES

- ALL DATA CONDUIT HOMERUNS SHALL PENETRATE THE INDICATED DATA WALLS AND TERMINATE.
- ALL VOICE CONDUIT HOMERUNS SHALL PENETRATE THE INDICATED VOICE WALLS AND TERMINATE.
- PROVIDE A 6" WIDE, 3" HIGH, ALUMINUM LADDER TYPE CABLE TRAY WITH RUNGS ON 6" CENTERS. FURNISH CABLE TRAY COMPLETE WITH ALL REQUIRED FITTINGS AND HARDWARE FOR ARRANGEMENT AS SHOWN ON PLAN. SUPPORT CABLE TRAY FROM WALL WITH BOTTOM 9'-4" ABOVE FLOOR.



### GRAPHIC SCALE

1/4" = 1'-0"

## AREA "G" ENLARGED EQUIPMENT ROOMS - ELECTRICAL

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



IF SHEET IS LFSS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

9512TE52/NP1/NP2/NP3 (PS3)

RECORD DRAUGHTING DATE: 27 MAY 1996

CODE LD NO. 06-95

SPEC. NO. 06-95

CONSTR. CONTROL NO. N62467-95-C

NAVJAG DRAWING NO. 53213

SHEET 447

TE30

CHARLESTON, S.C.

NNPTC TRAINING COMPLEX

NAVAL WEAPONS STATION

SOUTHERN DIVISION

CHARLESTON, S.C.

NAVAL FACILITIES ENGINEERING COMMAND

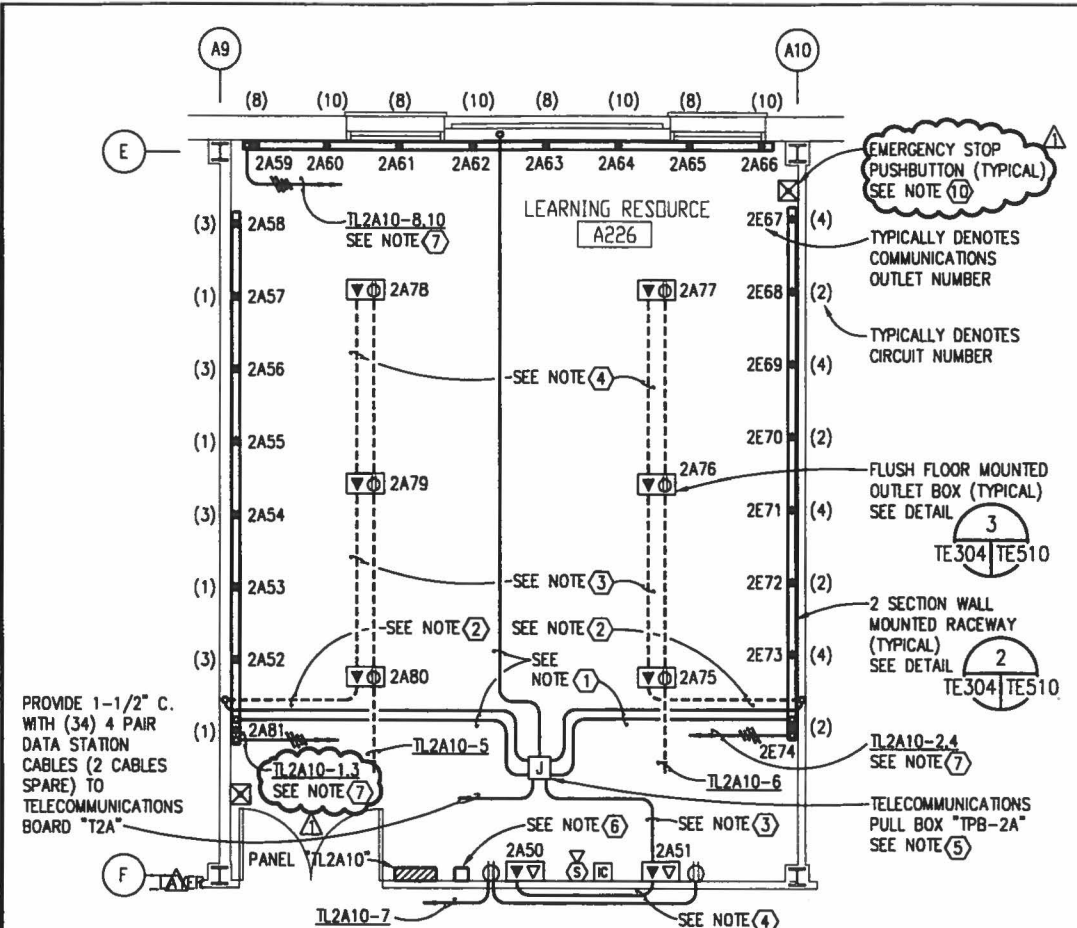
REV. DESCRIPTION

PREP BY DATE APPRVD

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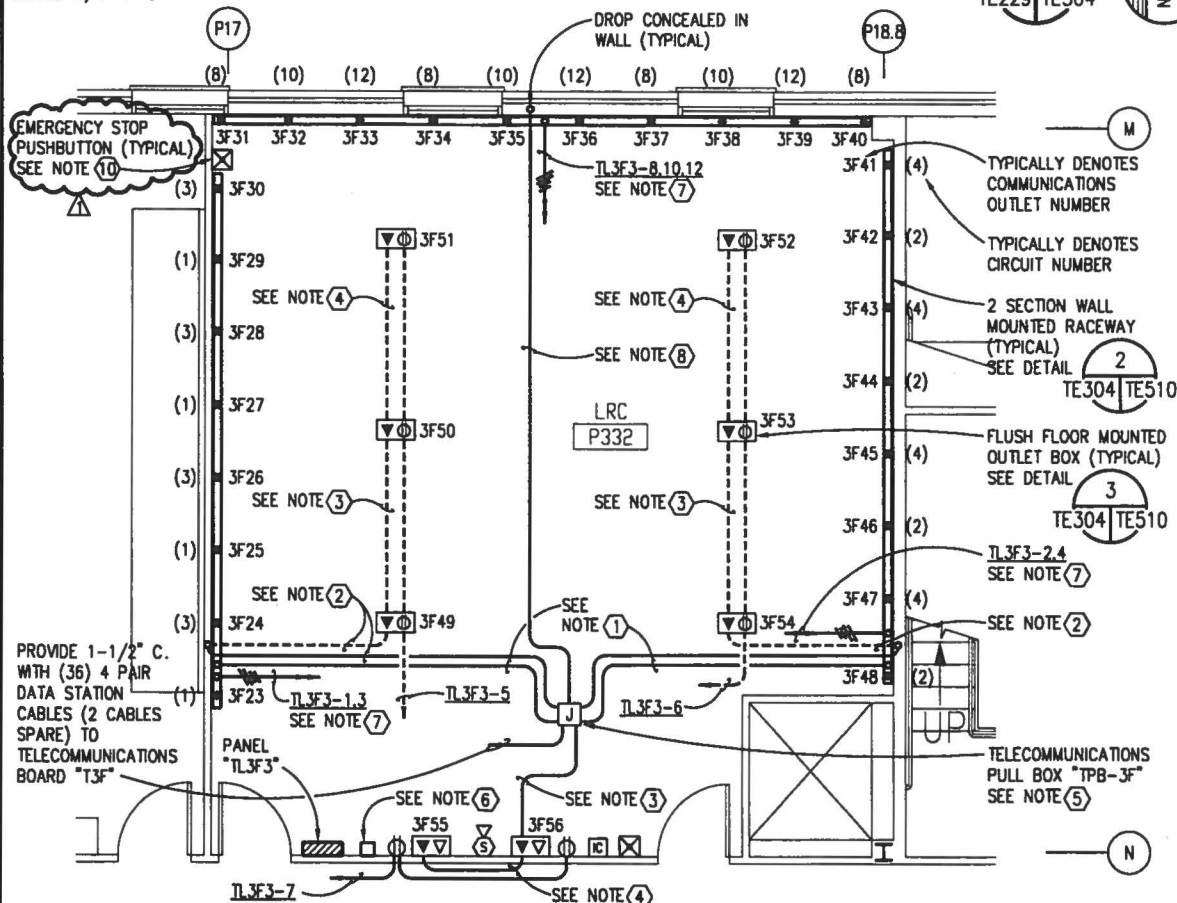
PHILLIPS

PARTNER



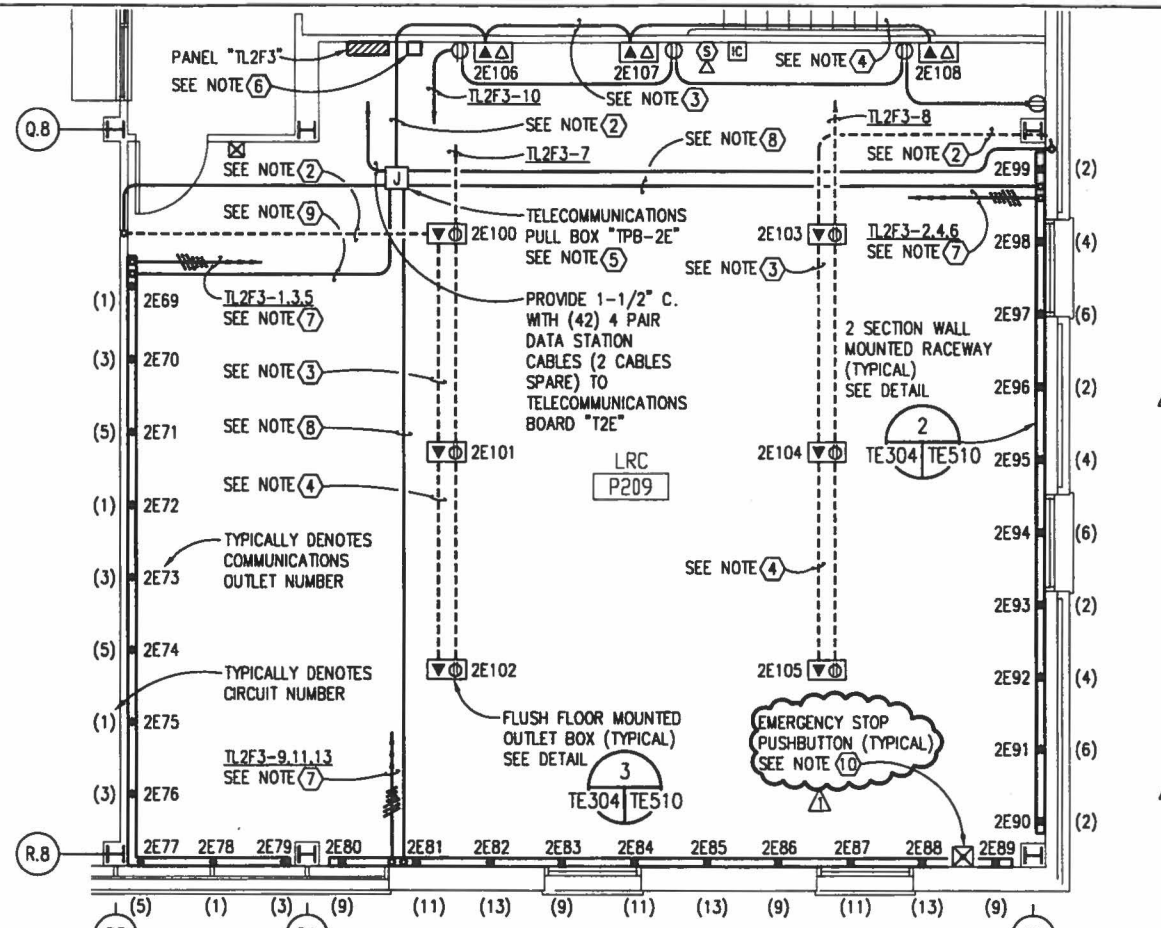
**ENLARGED RESOURCE CENTER PLAN - ELECTRICAL**

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



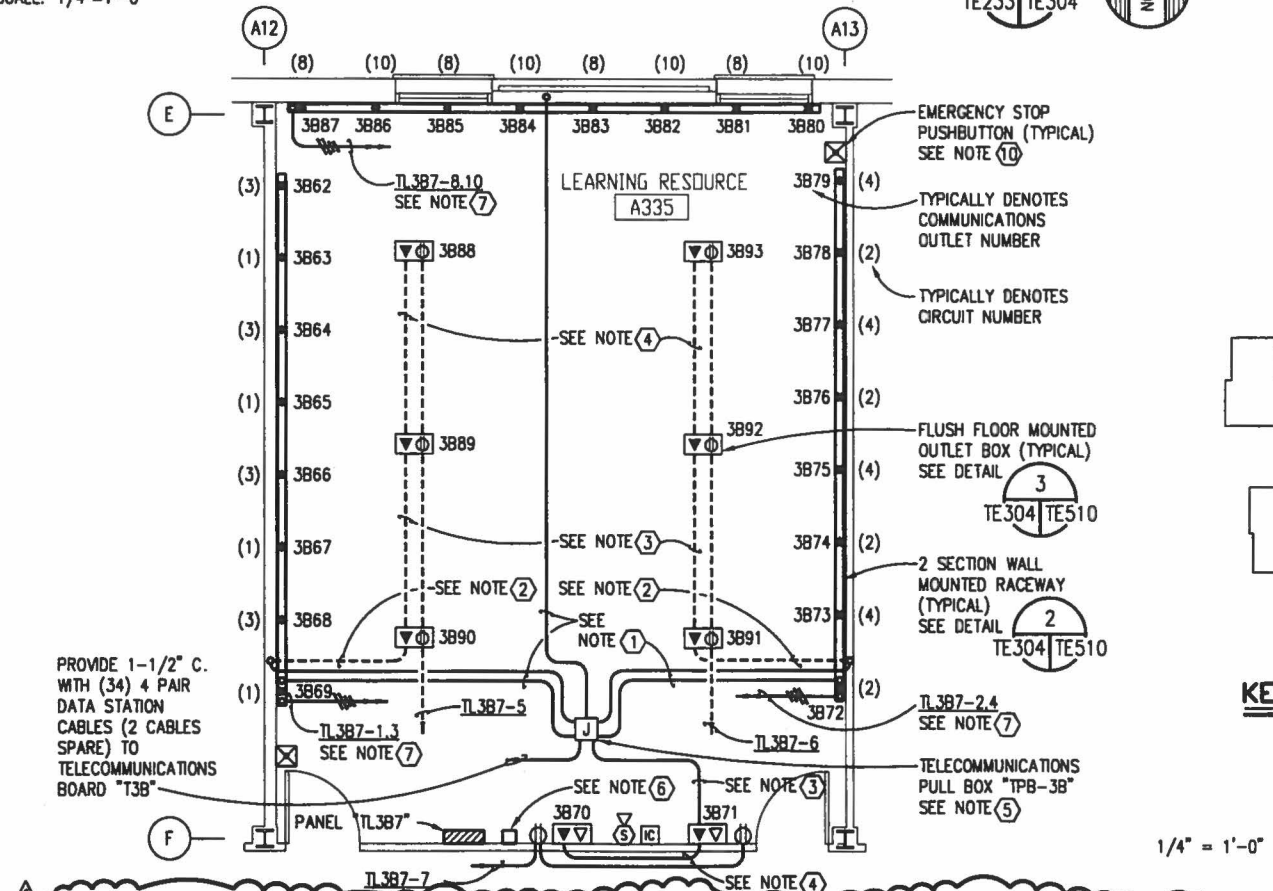
**ENLARGED RESOURCE CENTER PLAN - ELECTRICAL**

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



**ENLARGED RESOURCE CENTER PLAN - ELECTRICAL**

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

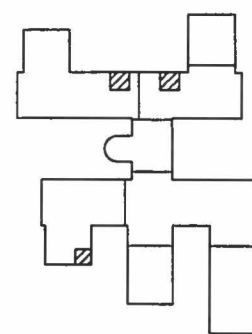


**ENLARGED RESOURCE CENTER PLAN - ELECTRICAL**

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

# **NOTES**

1. PROVIDE A 1" CONDUIT WITH (8) 4-PAIR DATA STATION CABLES.
2. PROVIDE A 1" CONDUIT WITH (3) 4-PAIR DATA STATION CABLES.
3. PROVIDE A 1" CONDUIT WITH (2) 4-PAIR DATA STATION CABLES.
4. PROVIDE A 1" CONDUIT WITH (1) 4-PAIR DATA STATION CABLE.
5. PROVIDE A 12" SQUARE, 8" DEEP NEMA 1 ENCLOSURE WITH SCREW COVER MOUNTED ABOVE CEILING WITH COVER FACING DOWN. COORDINATE EXACT LOCATION TO CLEAR ALL LIGHTING FIXTURES, HVAC EQUIPMENT, AND SPRINKLER PIPING. LABEL BOX AS INDICATED. (TERMINATE SPARE CABLES AT BOX WITH 25'-0" SLACK).
6. PROVIDE TYPE '1' EMERGENCY STOP POWER PANEL. SEE DETAIL 1/TE222/TE412. FOR WIRING REQUIREMENTS SEE DIAGRAM 2/TE222/TE413.
7. PROVIDE A SEPARATE NEUTRAL FOR EACH CIRCUIT.
8. PROVIDE A 1-1/4" CONDUIT WITH (10) 4-PAIR DATA STATION CABLES.
9. PROVIDE A 1-1/4" CONDUIT WITH (11) 4-PAIR DATA STATION CABLES.
10. EMERGENCY STOP PUSHBUTTON IN THESE ROOMS SHALL BE FLUSH MOUNTED, SEE SIMILAR DETAIL 2/TE001/TE415.



**KEY PLAN**

**GRAPHIC SCALE**

1/4" = 1'-0" 4' 2' 0' 4' 8'

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.


TRAINING FACILITY

FEEDER NUMBER	QUANTITY OF PARALLEL RUNS	PHASE		SIZE	NEUTRAL	EQUIPMENT GROUND
		CONDUIT	QUANTITY			
①	6	3"	3	400	400	—
②	1	2-1/2"	3	4/0	4/0	4
③	1	3"	3	350	350	3
④	1	1-1/4"	3	1	—	6
⑤	1	3-1/2"	3	500	500	3
⑥	1	1-1/2"	3	1	1	6
⑦	1	2"	3	250	—	4
⑧	2	3"	3	300	300	1
⑨	1	1-1/2"	3	1/0	1/0	6
⑩	1	1-1/4"	3	3	3	8
⑪	1	2"	3	2/0	2/0	6
⑫	1	1"	3	4	—	8
⑬	2	3-1/2"	3	500	500	1/0
⑭	1	1"	3	6	6	8
⑮	1	1-1/4"	3	1	—	6
⑯	1	3"	3	500	—	3
⑰	1	2"	3	4/0	—	4
⑱	1	1-1/4"	3	1/0	—	6
⑲	1	2-1/2"	3	400	—	3
⑳	4	3"	3	350	350	3/0
㉑	1	1"	3	6	6	6
㉒	1	1-1/4"	3	6	4	8
㉓	1	1/2"	1	10	10	10

- ① ALL DRY TYPE TRANSFORMERS SHALL BE 480 VOLT TO 120/208 VOLT 3 PHASE WITH NEMA 1 ENCLOSURE UNLESS NOTED OTHERWISE.
- ② PROVIDE A 4" THICK, NON-REINFORCED CONCRETE HOUSEKEEPING PAD WITH TOOLED EDGE TO EXTEND 6-INCHES BEYOND ALL SIDES OF TRANSFORMERS.
- ③ GROUND TRANSFORMER SECONDARY AS A SEPARATELY DERIVED SYSTEM, SEE DIAGRAM 2/TE401/TE411.
- ④ CONDUCTORS TO TIE BETWEEN EACH SECTION OF A TWO SECTION PANEL SHALL BE THE SAME SIZE AS THE RESPECTIVE PANEL MAIN FEEDER.
- ⑤ UNDERVOLTAGE RELEASE SYSTEM CONTROLS, SEE SHEETS TE412, TE413, TE414.
- ⑥ PROVIDE A 2 POLE, 30 AMP, NEMA 1 FUSED SWITCH WITH (2) 15 AMP, RK-1 FUSES. PAINT SWITCH RED AND LABEL: "FIRE ALARM".



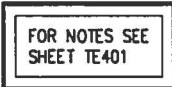
### TRAINING FACILITY

		RECORD DRAWING DATE	
DEPARTMENT OF THE NAVY		SOUTHERN DIVISION CHARLESTON, S.C.	
NAVAL WEAPONS STATION CHARLESTON, S.C.		CHARLESTON, S.C.	
NNPTC TRAINING COMPLEX		GENERAL REMONSONS	
REV.		PREP BY DATE APPROVD	
Δ		K. BEAVERS 7/26/96 ERM	
1301 Archibach, Inc. 50 North John Street Jacksonville, Florida 32202		1301 Archibach, Inc. 50 North John Street Jacksonville, Florida 32202	
MORLEY		PHILLIPS	
THOMPSON		PHILLIPS	









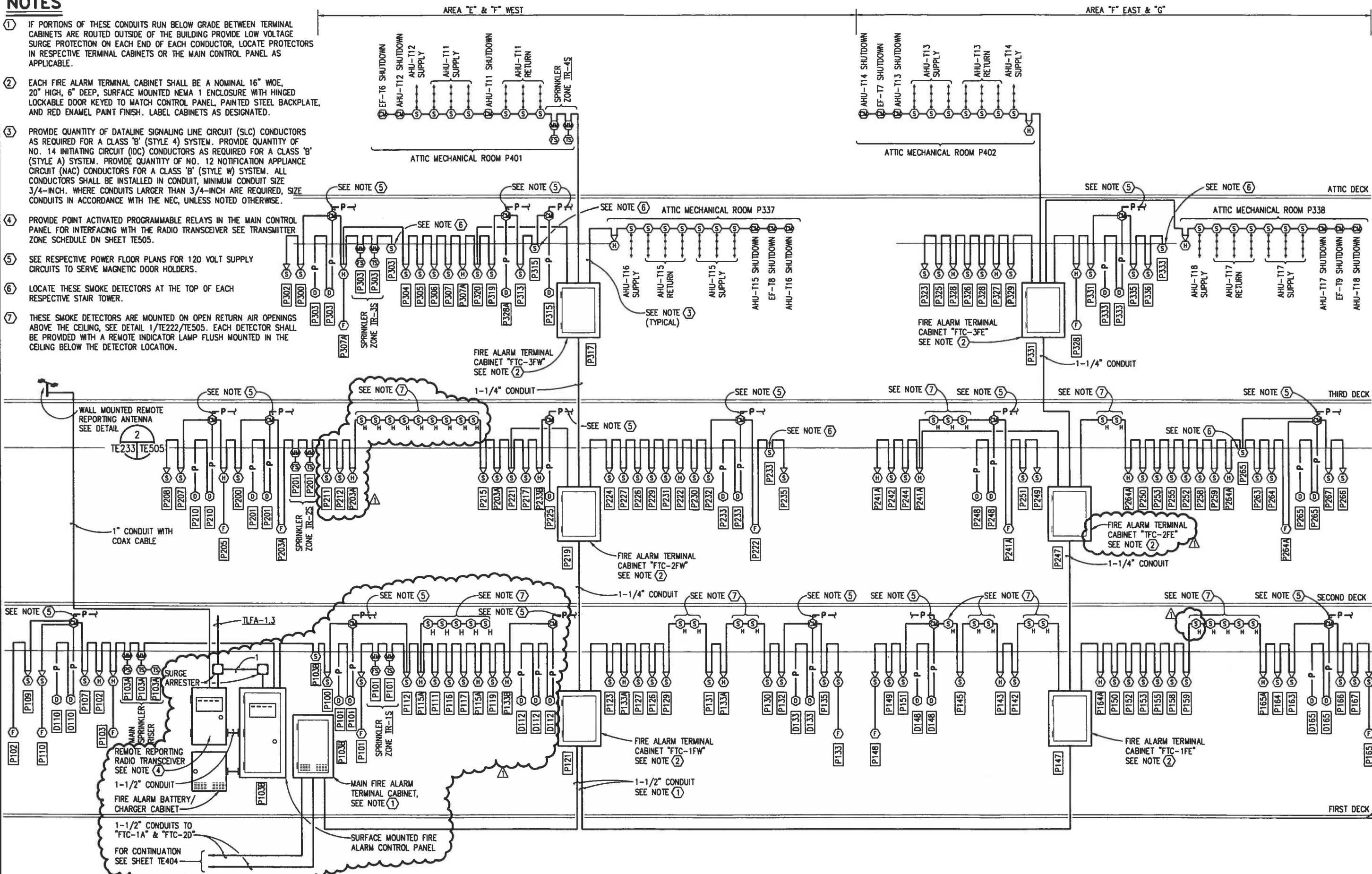
(AREA B,C & O)

**TRAINING FACILITY**



# NOTES

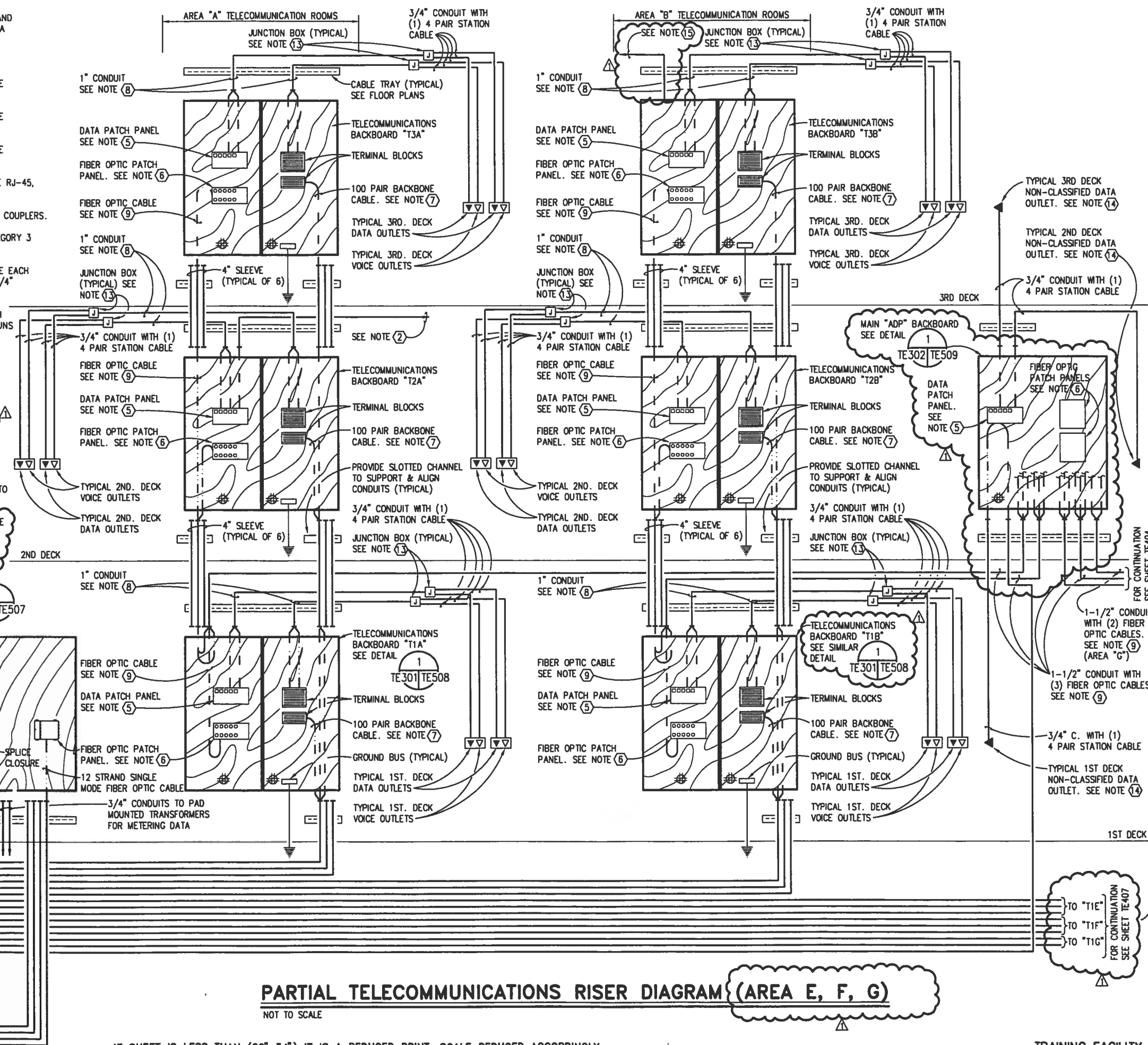
- IF PORTIONS OF THESE CONDUITS RUN BELOW GRADE BETWEEN TERMINAL CABINETS ARE ROUTED OUTSIDE OF THE BUILDING PROVIDE LOW VOLTAGE SURGE PROTECTION ON EACH END OF EACH CONDUCTOR, LOCATE PROTECTORS IN RESPECTIVE TERMINAL CABINETS OR THE MAIN CONTROL PANEL AS APPLICABLE.
- EACH FIRE ALARM TERMINAL CABINET SHALL BE A NOMINAL 16" WOE, 20" HIGH, 6" DEEP, SURFACE MOUNTED NEMA 1 ENCLOSURE WITH HINGED LOCKABLE DOOR KEYS TO MATCH CONTROL PANEL, PAINTED STEEL BACKPLATE, AND RED ENAMEL PAINT FINISH. LABEL CABINETS AS DESIGNATED.
- PROVIDE QUANTITY OF DATALINE SIGNALING LINE CIRCUIT (SLC) CONDUCTORS AS REQUIRED FOR A CLASS 'B' (STYLE 4) SYSTEM. PROVIDE QUANTITY OF NO. 14 INITIATING CIRCUIT (IC) CONDUCTORS AS REQUIRED FOR A CLASS 'B' (STYLE A) SYSTEM. PROVIDE QUANTITY OF NO. 12 NOTIFICATION APPLIANCE CIRCUIT (NAC) CONDUCTORS FOR A CLASS 'B' (STYLE W) SYSTEM. ALL CONDUCTORS SHALL BE INSTALLED IN CONDUIT, MINIMUM CONDUIT SIZE 3/4-INCH. WHERE CONDUITS LARGER THAN 3/4-INCH ARE REQUIRED, SIZE CONDUITS IN ACCORDANCE WITH THE NEC, UNLESS NOTED OTHERWISE.
- PROVIDE POINT ACTIVATED PROGRAMMABLE RELAYS IN THE MAIN CONTROL PANEL FOR INTERFACING WITH THE RADIO TRANSCIVER SEE TRANSMITTER ZONE SCHEDULE ON SHEET TE505.
- SEE RESPECTIVE POWER FLOOR PLANS FOR 120 VOLT SUPPLY CIRCUITS TO SERVE MAGNETIC DOOR HOLDERS.
- LOCATE THESE SMOKE DETECTORS AT THE TOP OF EACH RESPECTIVE STAIR TOWER.
- THESE SMOKE DETECTORS ARE MOUNTED ON OPEN RETURN AIR OPENINGS ABOVE THE CEILING, SEE DETAIL 1/TE222/TE505. EACH DETECTOR SHALL BE PROVIDED WITH A REMOTE INDICATOR LAMP FLUSH MOUNTED IN THE CEILING BELOW THE DETECTOR LOCATION.





# NOTES

- 1 DUCT WAY SHALL CONTAIN (3) 1-1/2" INNERDUCTS (1) INNERDUCT WITH (1) 12 STRAND SINGLEMODE FIBER OPTIC CABLE, (2) INNERDUCTS SPARE; 1 DUCT WAY SHALL CONTAIN A 400 PAIR, 22 AWG CABLE; 1 DUCT WAY SHALL CONTAIN (3) 1-1/2" INNERDUCTS (1) INNERDUCT WITH (1) 4 STRAND MULTIMODE FIBER OPTIC CABLE AND (2) 2 STRAND MULTIMODE FIBER OPTIC CABLES, (2) INNERDUCTS SPARE; 5 DUCT WAYS SPARE.
- 2 PROVIDE A 1-1/2" CONDUIT WITH (34) 4-PAIR STATION CABLES TO LEARNING RESOURCE ROOM A226, SEE ENLARGED PLAN 1/TE229/TE304.
- 3 PROVIDE A 1-1/2" CONDUIT WITH (42) 4-PAIR STATION CABLES TO LEARNING RESOURCE ROOM P209, SEE ENLARGED PLAN 2/TE233/TE304.
- 4 PROVIDE A 1-1/2" CONDUIT WITH (36) 4-PAIR STATION CABLES TO LEARNING RESOURCE ROOM P332, SEE ENLARGED PLAN 3/TE241/TE304.
- 5 TERMINATE ALL PAIRS OF ALL DATA STATION CABLES ON WALL MOUNTED MODULAR TYPE RJ-45, CATEGORY 5 PATCH PANELS WITH TYPE 110 TERMINATING HARDWARE.
- 6 PROVIDE WALL MOUNTED FRONT ACCESSIBLE FIBER OPTIC PATCH PANELS WITH TYPE 'ST' COUPLERS.
- 7 EACH VOICE BACKBONE CABLE SHALL BE A 24 AWG, COPPER TYPE 'CM' OR 'CMR', CATEGORY 3 CABLE WITH QUANTITY OF PAIRS AS INDICATED.
- 8 PROVIDE A SEPARATE 1" CONDUIT HOMERUN WITH (2) 4 PAIR STATION CABLES TO SERVE EACH PAIR OF DATA OR VOICE OUTLETS. A SINGLE OUTLET MAY BE SERVED WITH A SINGLE 3/4" CONDUIT WHERE APPLICABLE.
- 9 EACH FIBER OPTIC CABLE SHALL BE A 12 STRAND, MULTIMODE, TIGHT TUBE, CABLE WITH NONMETALLIC STRENGTH MEMBERS. ALL CABLES SHALL BE INSTALLED IN CONTINUOUS RUNS WITHOUT INTERMEDIATE SPLICES.
- 10 PROVIDE (3) 4" CONDUITS, (1) CONDUIT WITH (3) 100 PAIR VOICE BACKBONE CABLES; (2) CONDUITS SPARE.
- 11 PROVIDE (3) 4" CONDUITS, (1) CONDUIT WITH (2) 150 PAIR AND (1) 100 PAIR VOICE BACKBONE CABLES; (2) CONDUITS SPARE.
- 12 PROVIDE (2) 4" CONDUITS, (1) CONDUIT WITH (2) 100 PAIR VOICE BACKBONE CABLES; (1) CONDUIT SPARE.
- 13 PROVIDE A 4-INCH SQUARE JUNCTION BOX ABOVE CEILING IN THE VICINITY OF ONE OF THE TWO 3/4-INCH CONDUIT DROPS TO OUTLETS TO FACILITATE FUTURE MODIFICATIONS.
- 14 ALL CONDUIT HOMERUNS FOR NON-CLASSIFIED DATA OUTLETS SHALL EXTEND DIRECTLY TO THE MAIN "ADP" BACKBOARD.
- 15 PROVIDE A 1-1/2" CONDUIT WITH (34) 4-PAIR STATION CABLES TO LEARNING RESOURCE ROOM A335, SEE ENLARGED PLAN 4/TE237/TE304.
- 16 PROVIDE A 4" CONDUIT WITH (3) 1" INNERDUCTS. (1) INNERDUCT WITH (1) 4 STRAND FIBER OPTIC CABLE AND (2) 2 STRAND FIBER OPTIC CABLES; (2) INNERDUCTS SPARE.



## PARTIAL TELECOMMUNICATIONS RISER DIAGRAM (AREA E, F, G)

NOT TO SCALE

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1	GENERAL REVISIONS	7/26/96	K. BEAVERS

PREP BY: K. BEAVERS

DATE: 7/26/96

APPROVED: K. BEAVERS

DESIGNED BY: K. BEAVERS

CHECKED BY: K. BEAVERS

DATE: 21 MAY 1996

PROJECT: NNPTC TRAINING COMPLEX

LOCATION: CHARLESTON, S.C.

DIVISION: NAVAL WEAPONS STATION

BRANCH: SOUTHERN DIVISION

OFFICE: NAVAL FACILITIES ENGINEERING COMMAND

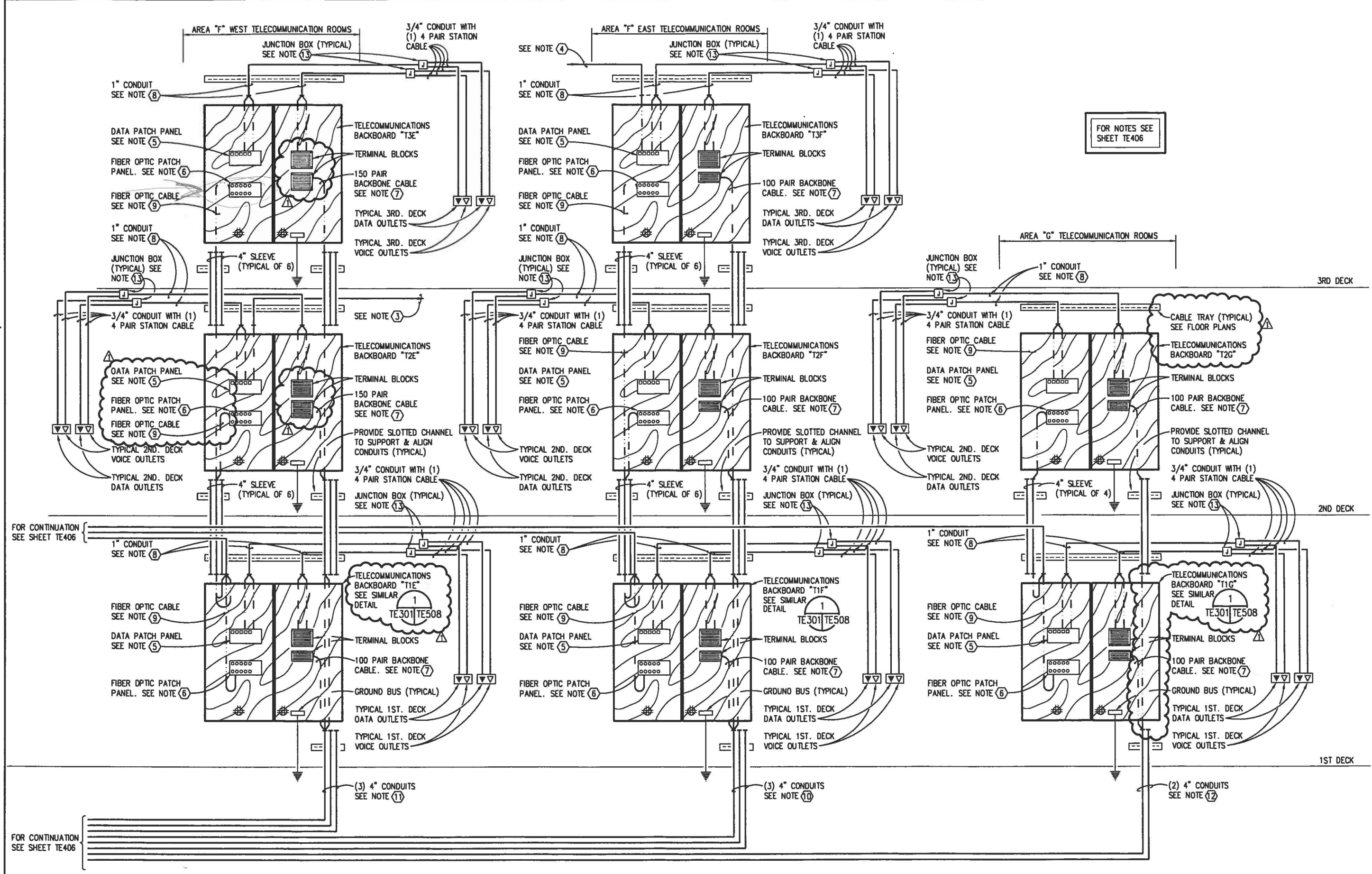
PROJECT NO.: 532134

SHEET NO.: 454

TE4C



9512TE56 (PS2)

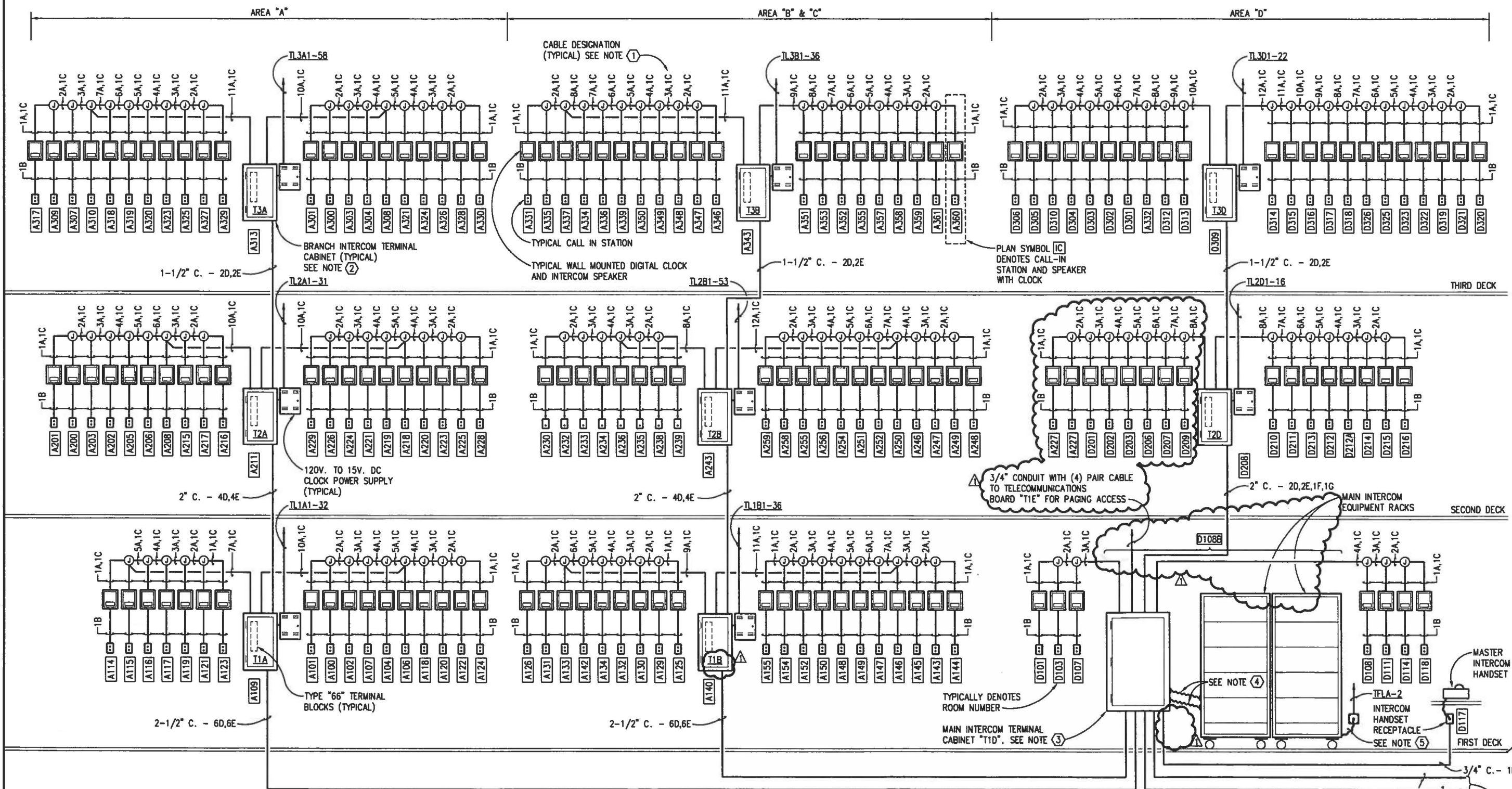


**PARTIAL TELECOMMUNICATIONS RISER DIAGRAM (AREA A, B, C, D)**  
NOT TO SCALE

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REVISIONS	DATE	APPROVED	BY
1	7/25/95	CAW	K. BEAVERS
GENERAL REVISIONS			
SOUTHERN DIVISION			
NAVAL WEAPONS STATION			
CHARLESTON, S.C.			
NNPTC TRAINING COMPLEX			
RECORD DRAWING DATE			
DRAWING SIZE			
SPEC. NO. 06-95			
CONSTR. CONTR. NO.			
N62467-95-C			
NAVFAC DRAWING NO.			
532134			
SHEET 455 OF			
TE406			



# PARTIAL CLOCK & INTERCOM RISER DIAGRAM (AREA A, B, C, D)

NOT TO SCALE

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TRAINING FACILITY

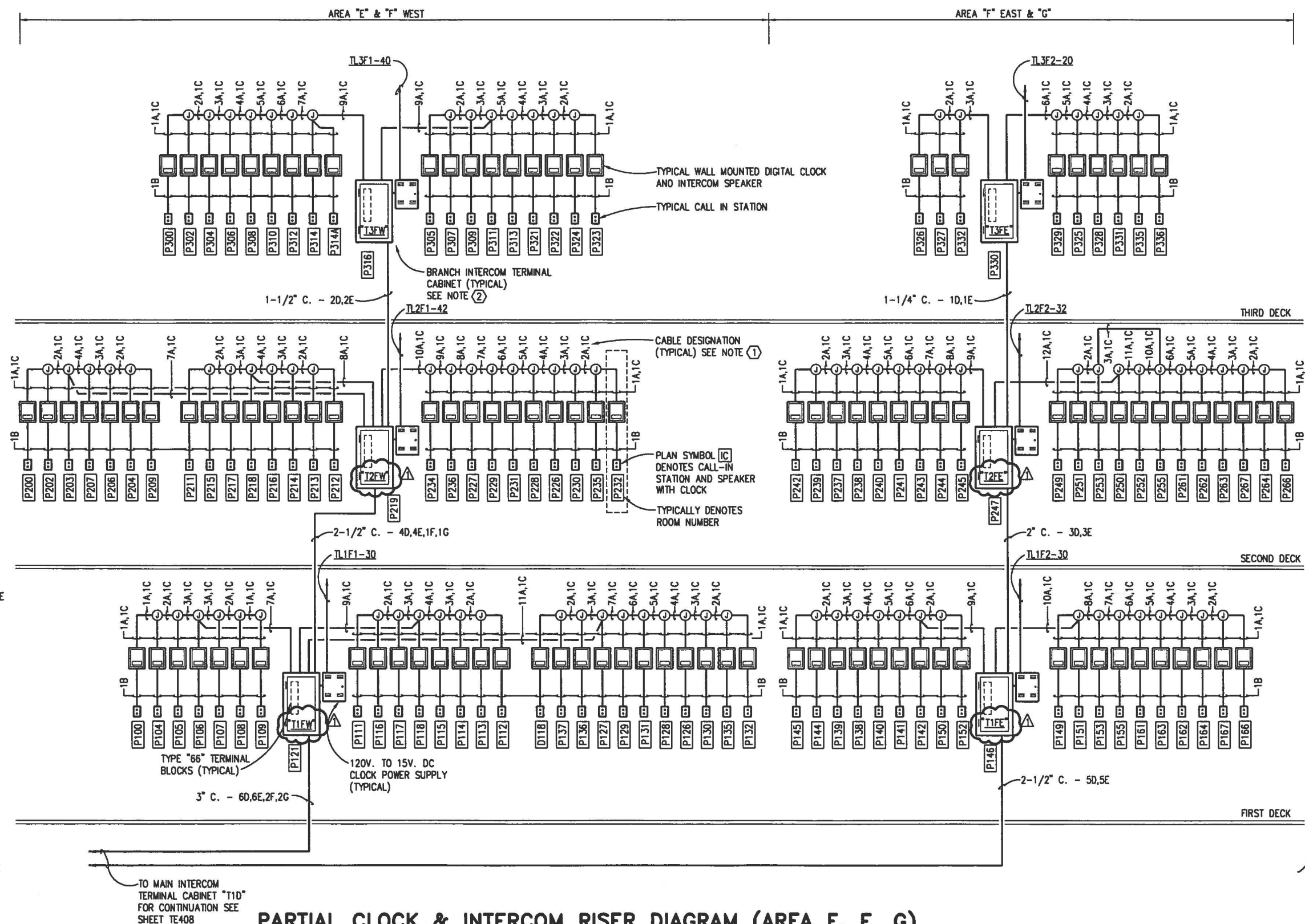
<u>MARK</u>	<u>FUNCTION</u>	<u>DESCRIPTION</u>
A	STATION AUDIO/CONTROL	(3) PAIR 22 GAUGE, SOLID COPPER TYPE 'CM' WITH (1) PAIR SHIELDED AND (2) PAIR UNSHIELDED. MAXIMUM OUTSIDE DIAMETER: 0.186 INCHES.
B	STATION CONTROL	(4) CONDUCTOR 22 GAUGE, SOLID COPPER TYPE 'CM' UNSHIELDED. MAXIMUM OUTSIDE DIAMETER: 0.154 INCHES.
C	CLOCK POWER AND AND CONTROL	(1) 2 CONDUCTOR NO. 14 STRANDED COPPER TYPE 'CM' UNSHIELDED, MAXIMUM OUTSIDE DIAMETER: 0.245 INCHES (POWER); (1) 2 CONDUCTOR NO. 19 TWISTED PAIR STRANDED COPPER TYPE 'CM' SHIELDED. MAXIMUM OUTSIDE DIAMETER: 0.169 INCHES. (CONTROL)
D	AUDIO DISTRIBUTION	(1) 12 PAIR, 22 GAUGE, SOLID COPPER TYPE 'CM' CABLE WITH INDIVIDUALLY SHIELDED PAIRS. MAXIMUM OUTSIDE DIAMETER: 0.390 INCHES.
E	CONTROL DISTRIBUTION	(1) 23 PAIR, 22 GAUGE, SOLID COPPER, TYPE 'CM' UNSHIELDED CABLE. MAXIMUM OUTSIDE DIAMETER: 0.472 INCHES.
F	AUDIO DISTRIBUTION	(1) 6 PAIR, 22 GAUGE SOLID COPPER, TYPE 'CM' CABLE WITH INDIVIDUALLY SHIELDED PAIRS. MAXIMUM OUTSIDE DIAMETER: 0.259 INCHES.
G	CONTROL DISTRIBUTION	(1) 12 PAIR, 22 GAUGE, COPPER, TYPE 'CM' UNSHIELDED SOLID CABLE. MAXIMUM OUTSIDE DIAMETER: 0.364 INCHES.
H	MASTER STATION	(1) 2 PAIR 22 GAUGE COPPER TYPE 'CM' SHIELDED CABLE (DATA); (1) 1 PAIR 22 GAUGE SOLID COPPER TYPE 'CM' SHIELDED CABLE (AUDIO); AND (1) 2 CONDUCTOR 16 GAUGE TWISTED PAIR STRANDED COPPER SOLID UNSHIELDED TYPE 'CM' CABLE (POWER).

**NOTES**

1 NUMBER DENOTES CABLE QUANTITY, LETTER DENOTES CABLE TYPE SEE CABLE SCHEDULE THIS SHEET. ALL CABLES SHALL BE INSTALLED IN CONDUIT SIZED AS FOLLOWS:

<u>CABLES</u>	<u>CONDUIT SIZE</u>
(1)B	1/2"
(1)A, (1)C	1/2"
(2-4)A, (1)C	3/4"
(5-9)A, (1)C	1"
(10-15)A, (1)C	1-1/4"

- ② EACH BRANCH INTERCOM TERMINAL CABINET SHALL BE A NOMINAL 20" WIDE, 36" HIGH, 6" INCH DEEP SURFACE NEMA 1 ENCLOSURE WITH HINGED LOCKABLE DOOR AND PAINTED STEEL BACKPLATE. ALL CABLE TERMINATIONS IN EACH CABINET SHALL BE MADE ON TYPE 66 TERMINAL BLOCKS.
- ③ THE MAIN INTERCOM TERMINAL CABINET SHALL BE A NOMINAL 36" WIDE, 48" HIGH, 6" INCH DEEP SURFACE NEMA 1 ENCLOSURE WITH HINGED LOCKABLE DOOR AND PAINTED STEEL BACKPLATE. ALL CABLE TERMINATIONS IN CABINET SHALL BE MADE ON TYPE 66 TERMINAL BLOCKS.
- ④ PROVIDE (2) 3" DIAMETER GROMMETTED OPENINGS IN SIDE OF CABINET FOR EXTENDING CABLES TO EQUIPMENT RACKS. BUNDLE CABLES AND PROVIDE A MINIMUM OF 15" SLACK BETWEEN CABINET AND RACK.
- ⑤ PROVIDE MINIMUM 12'-0" LONG FLEXIBLE CONDUIT POWER CONNECTION TO RACKS.



### PARTIAL CLOCK & INTERCOM RISER DIAGRAM (AREA E, F, G)

NOT TO SCALE

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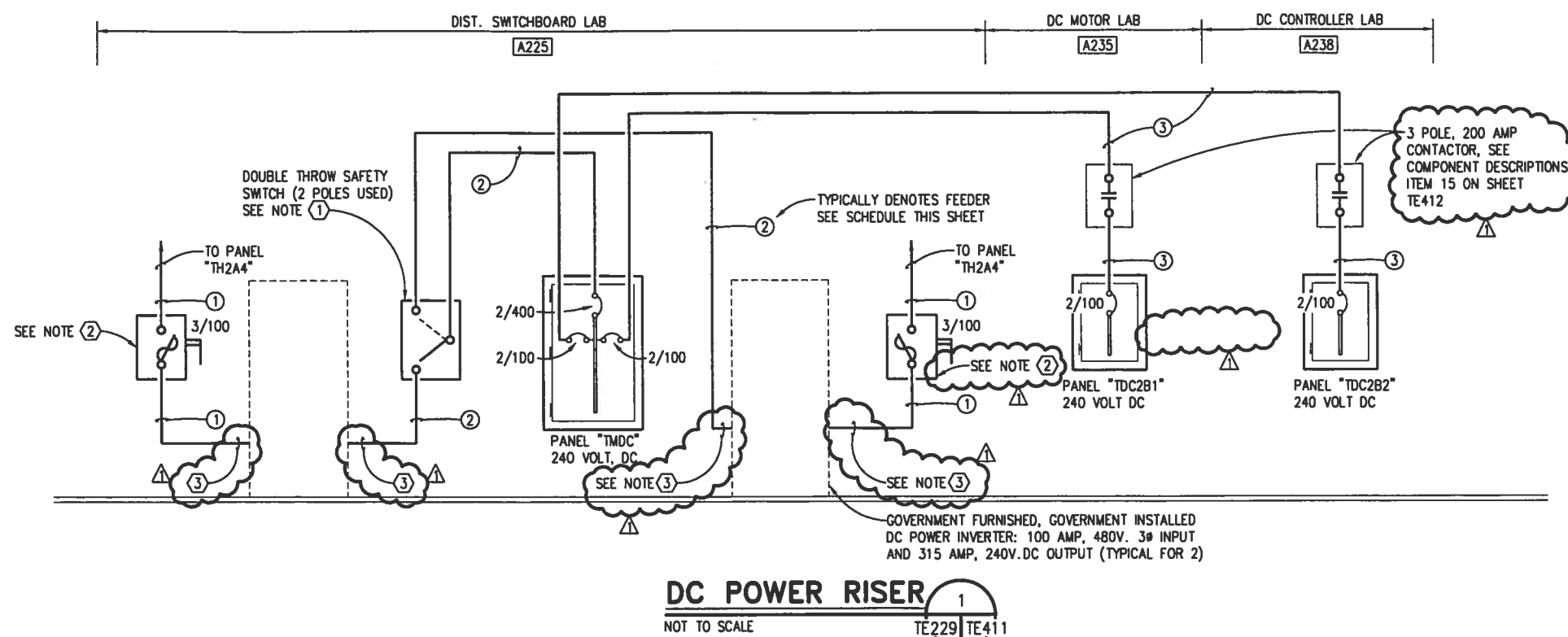
## TRAINING FACILITY

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MODE LD NO. DRAINING SIZE:		SPEC. NO. 06-95- 662467-95-C	
CONSTRUCTION, CONTR. NO.		4532134	
NAVY A/C DRAINING NO.		532134	
MEET 52 OF		TE40	
NAVAL WEAPONS STATION CHARLESTON, S.C.		CHARLESTON, S.C.	
SOUTHERN DIVISION		NNP TC TRAINING COMPLEX	
REV.	DESCRIPTION	PREP BY	DATE
Δ	GENERAL REVISIONS	K. BEAVERS	7/26/96
133J Architects, Inc. 38 North John Street Jacksonville, Florida 32202		MORLEY OR THOMPSON PHILLIPS	
AC00000		PARTNER 21 MAY 1996	



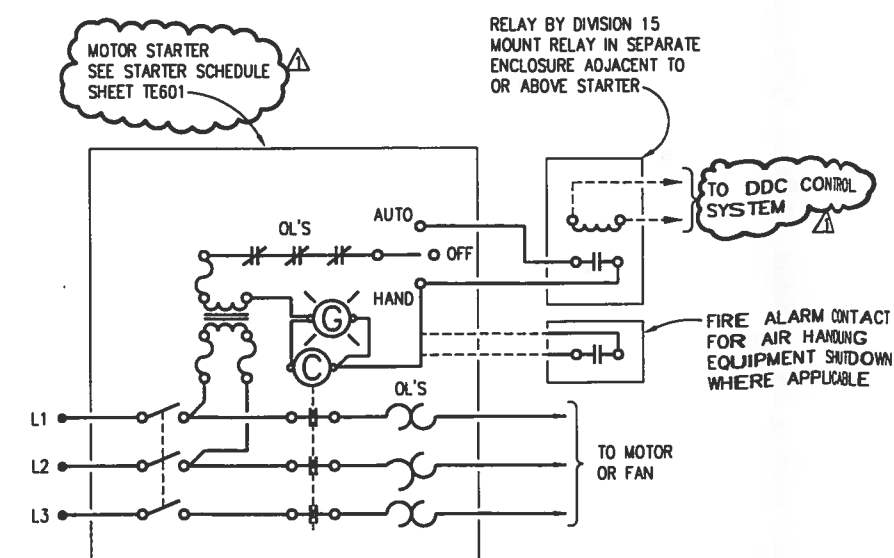
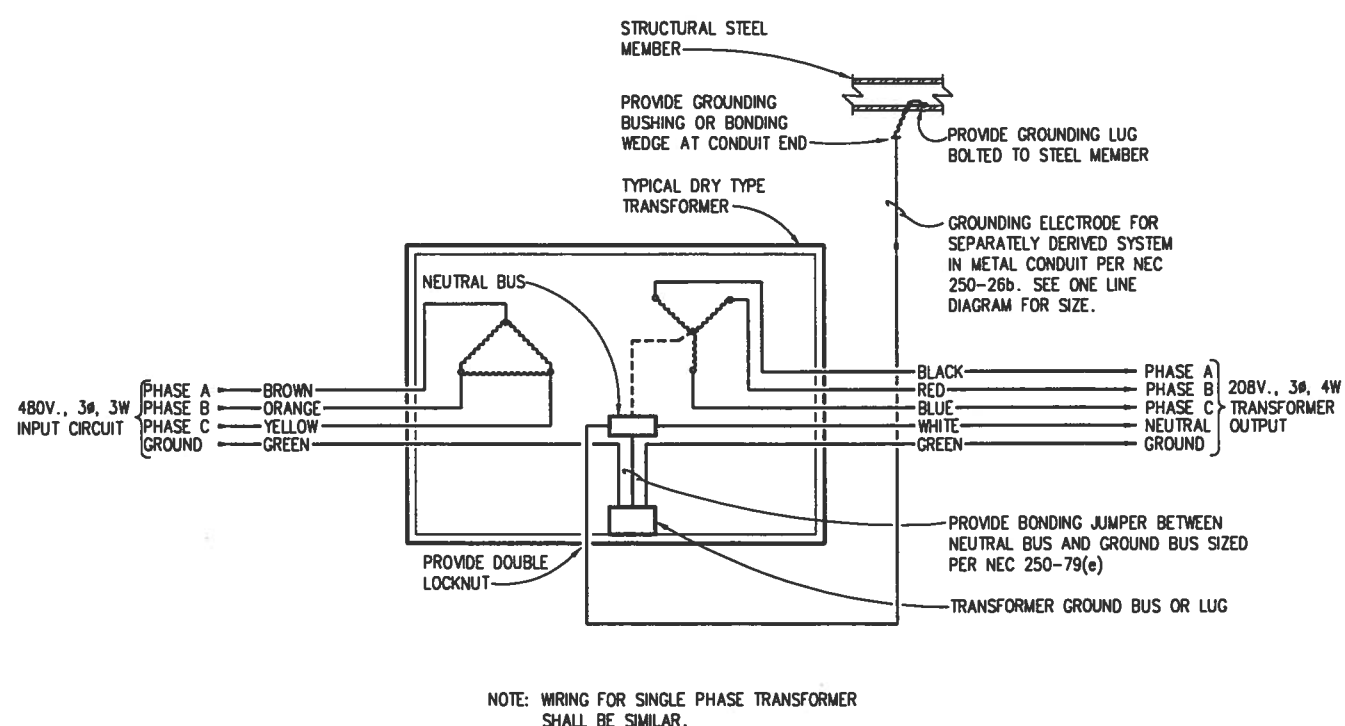


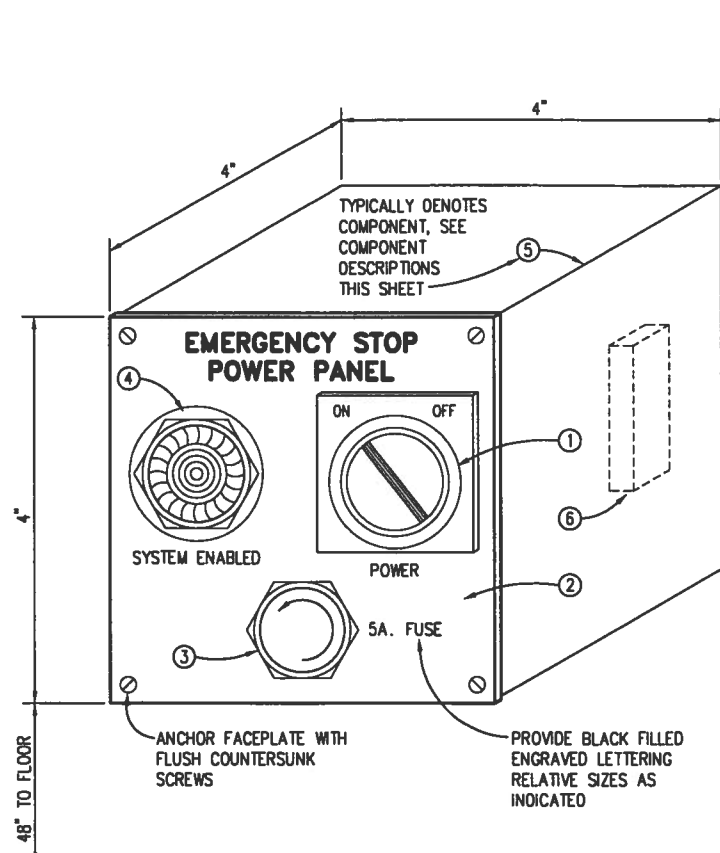




FEEDER SCHEDULE					
FEEDER NUMBER	QUANTITY OF PARALLEL RUNS	CONDUIT	PHASE		EQUIPMENT GROUND
			QUANTITY	SIZE	
①	1	1-1/4"	3	3	8
②	1	2-1/2"	2	500	3
③	1	1"	2	3	8

- ## NOTES

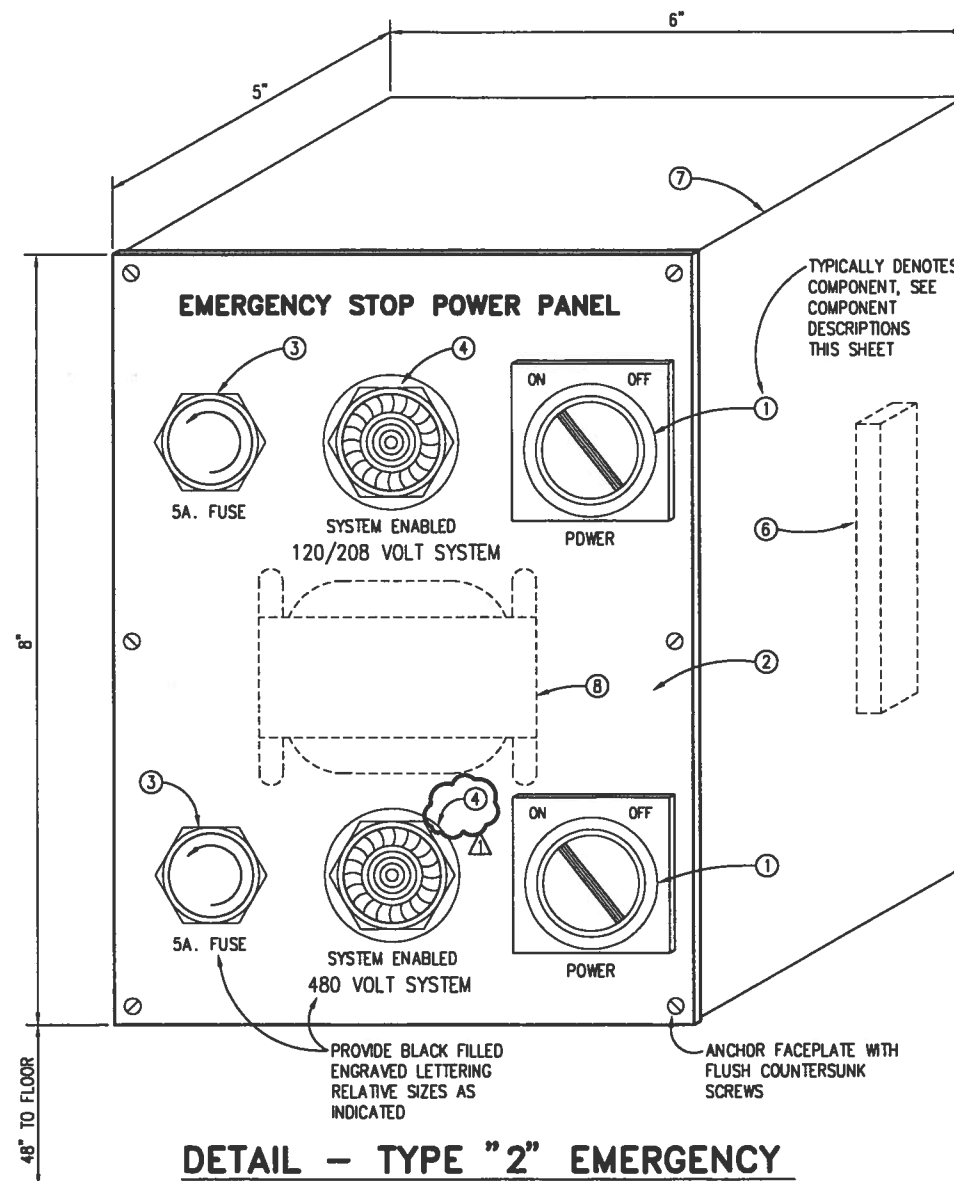




**DETAIL - TYPE "1" EMERGENCY STOP POWER PANEL**

NOT TO SCALE

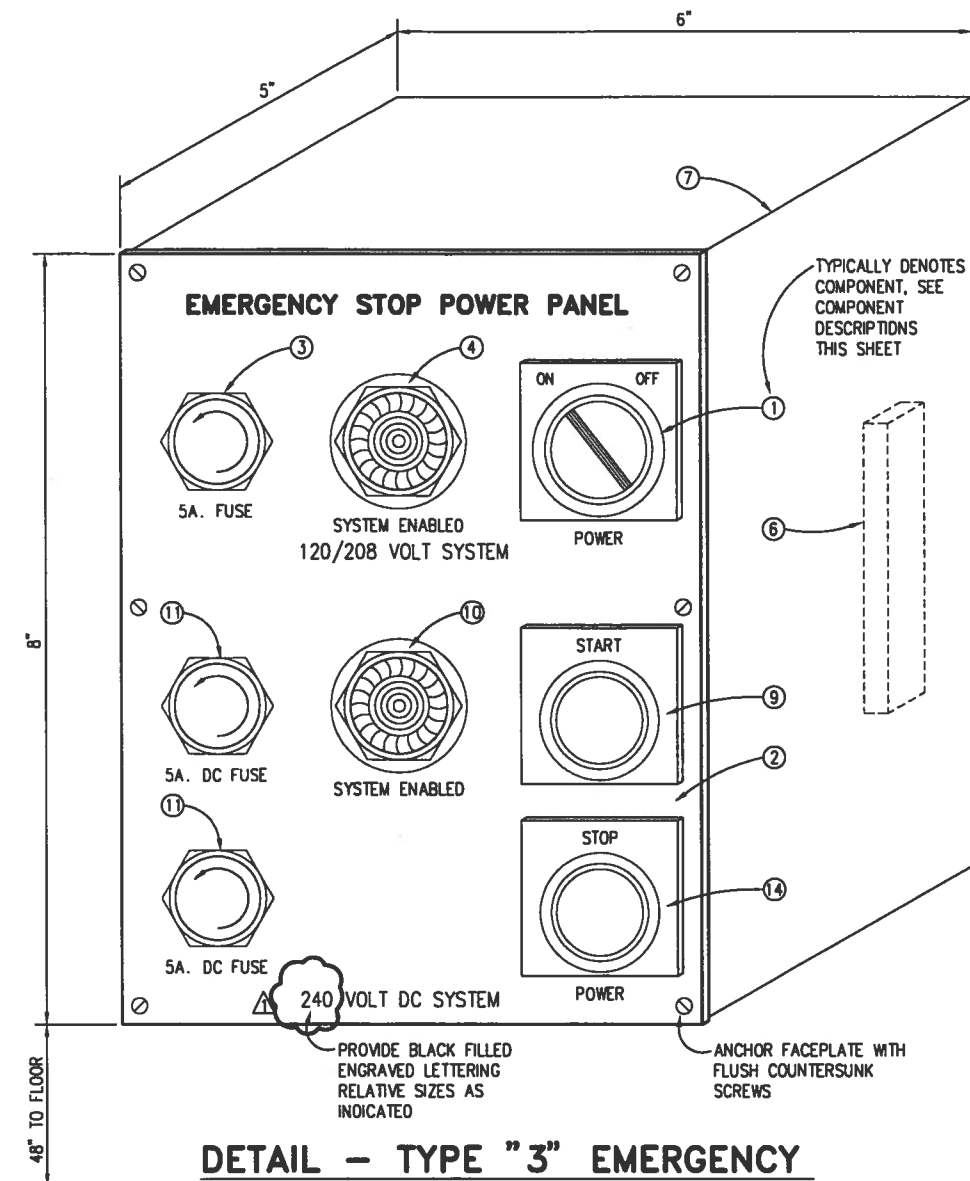
TE222 TE412



**DETAIL - TYPE "2" EMERGENCY STOP POWER PANEL**

NOT TO SCALE

TE222 TE412



**DETAIL - TYPE "3" EMERGENCY STOP POWER PANEL**

NOT TO SCALE

TE230 TE412

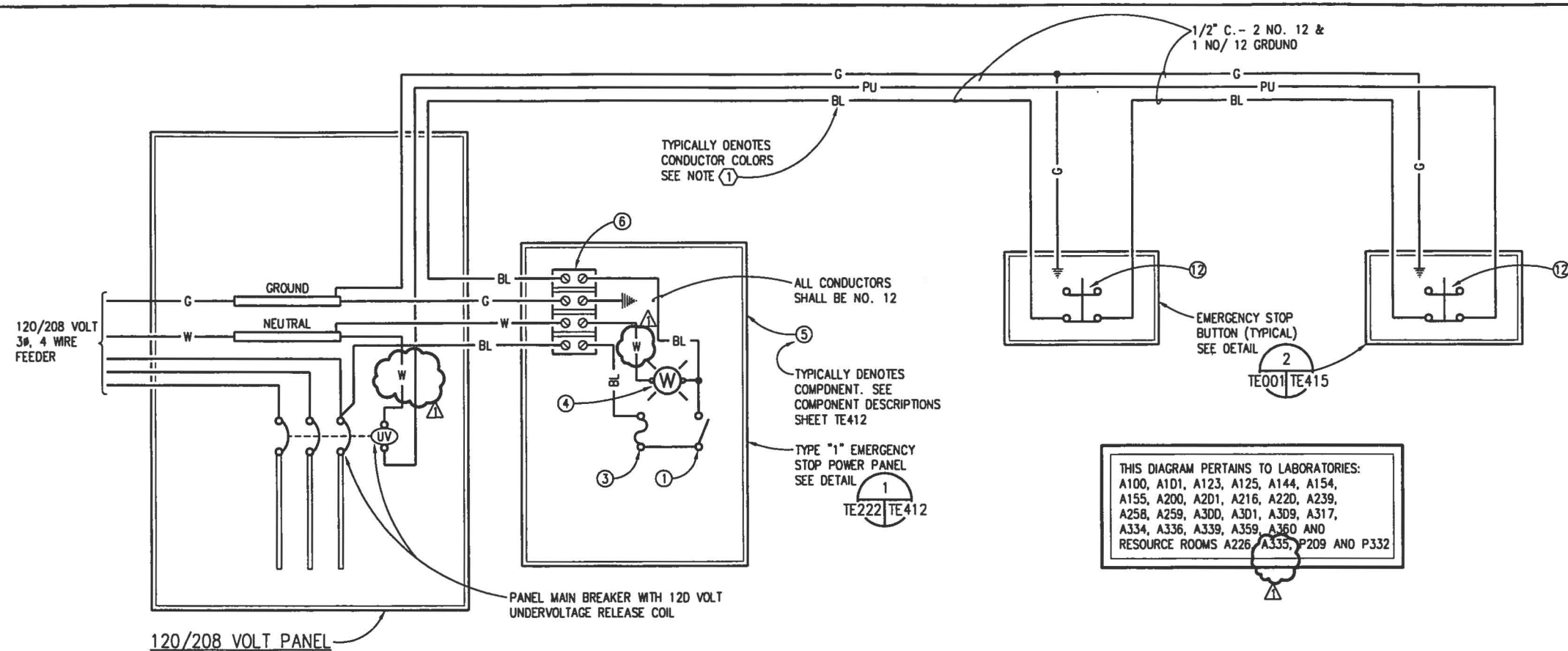
## COMPONENT DESCRIPTIONS

- ① PANEL MOUNT OIL-TIGHT SELECTOR SWITCH, SINGLE POLE, SINGLE THROW MAINTAINED CONTACT, 120 VOLT, NEMA A600 CONTACT. UNIT TO HAVE BLACK ROTARY KNOB WITH STANDARD DEPTH CIRCULAR METALLIC GUARD TO PREVENT INADVERTENT SWITCH OPERATION.
- ② MINIMUM 3/16" THICK ALUMINUM FACEPLATE WITH BEVELED EDGE AND BRUSHED ALUMINUM FINISH. FACEPLATE SIZE AND ENGRAVING AS INDICATED.
- ③ UL RECOGNIZED, HEAVY DUTY PANEL MOUNT FUSE HOLDER WITH THREADED CAP, 300 VOLT AC, 15 AMP RATING WITH CLASS 'CC' REJECTION FEATURE. PROVIDE HOLDER WITH A 13/32" DIAMETER, 5.0 AMP, 250 VOLT AC, CLASS 'CC' NON-TIME-DELAY FUSE.
- ④ PANEL MOUNT OIL-TIGHT FULL VOLTAGE 120 VOLT AC PILOT LIGHT WITH MINIMUM 1" DIAMETER WHITE LENS.
- ⑤ 4" WIDE, 4" HIGH, 4" DEEP, MINIMUM 16 GAUGE FORMED ALUMINUM ENCLOSURE WITH ALL SEAMS WELDED AND GROUND SMOOTH. ENCLOSURE EXTERIOR TO HAVE GRAY ENAMEL PAINT FINISH.
- ⑥ SCREW TYPE BARRIERED TYPE TERMINAL STRIP RATED 30 AMPS, 600 VOLT WITH A TERMINAL CONDUCTOR RANGE OF 22-10 AWG. PROVIDE QUANTITY OF TERMINALS AS INDICATED. ALL TERMINALS SHALL BE IDENTIFIED TO DENOTE FUNCTION.
- ⑦ 6" WIDE, 8" HIGH, 5" DEEP, MINIMUM 16 GAUGE FORMED ALUMINUM ENCLOSURE WITH ALL SEAMS WELDED AND GROUND SMOOTH. ENCLOSURE EXTERIOR TO HAVE GRAY ENAMEL PAINT FINISH.
- ⑧ MINIMUM 50 VA, 480 VOLT TO 120 VOLT, SINGLE PHASE CONTROL POWER TRANSFORMER WITH FUSE BLOCK AND TWO PRIMARY FUSES.
- ⑨ PANEL MOUNT OIL-TIGHT MOMENTARY CONTACT PUSH-BUTTON, SINGLE POLE, NORMALLY OPEN, 600 VOLT DC, NEMA P600 WITH BLACK OPERATOR BUTTON AND STANDARD DEPTH CIRCULAR METALLIC GUARD TO PREVENT INADVERTENT BUTTON OPERATION.
- ⑩ PANEL MOUNT OIL-TIGHT FULL VOLTAGE 240 VOLT DC PILOT LIGHT WITH MINIMUM 1" DIAMETER WHITE LENS.
- ⑪ UL RECOGNIZED, HEAVY DUTY PANEL MOUNT FUSE HOLDER WITH THREADED CAP, 300 VOLT DC, 15 AMP RATING WITH CLASS 'CC' REJECTION FEATURE. PROVIDE HOLDER WITH A 13/32" DIAMETER, 5.0 AMP, 300 VOLT DC, CLASS 'CC' NON-TIME-DELAY FUSE.
- ⑫ PANEL MOUNT OIL-TIGHT MOMENTARY CONTACT PUSH-BUTTON, TWO POLE, NORMALLY CLOSED, 600 VOLT AC/DC, NEMA P600 WITH MINIMUM 2-1/2" DIAMETER RED OPERATOR BUTTON AND STANDARD DEPTH CIRCULAR METALLIC GUARD TO PREVENT INADVERTENT BUTTON OPERATION.
- ⑬ NOMINAL 4" SQUARE, 4" DEEP, FLUSH NEMA 1 ENCLOSURE.
- ⑭ PANEL MOUNT OIL-TIGHT MOMENTARY CONTACT PUSH-BUTTON, SINGLE POLE, NORMALLY CLOSED, 600 VOLT DC, NEMA P600 WITH RED OPERATOR BUTTON AND STANDARD DEPTH CIRCULAR METALLIC GUARD TO PREVENT INADVERTENT BUTTON OPERATION.
- ⑮ 'DC' CONTACTOR: 3 POLE, 200 AMP ELECTRICALLY HELD CONTACTOR WITH 240 VOLT DC COIL, SURFACE NEMA 1 ENCLOSURE, AND (1) 10 AMP AUXILIARY CONTACT. EACH CONTACTOR POLE TO BE RATED FOR A MINIMUM OF 80 VOLTS DC.

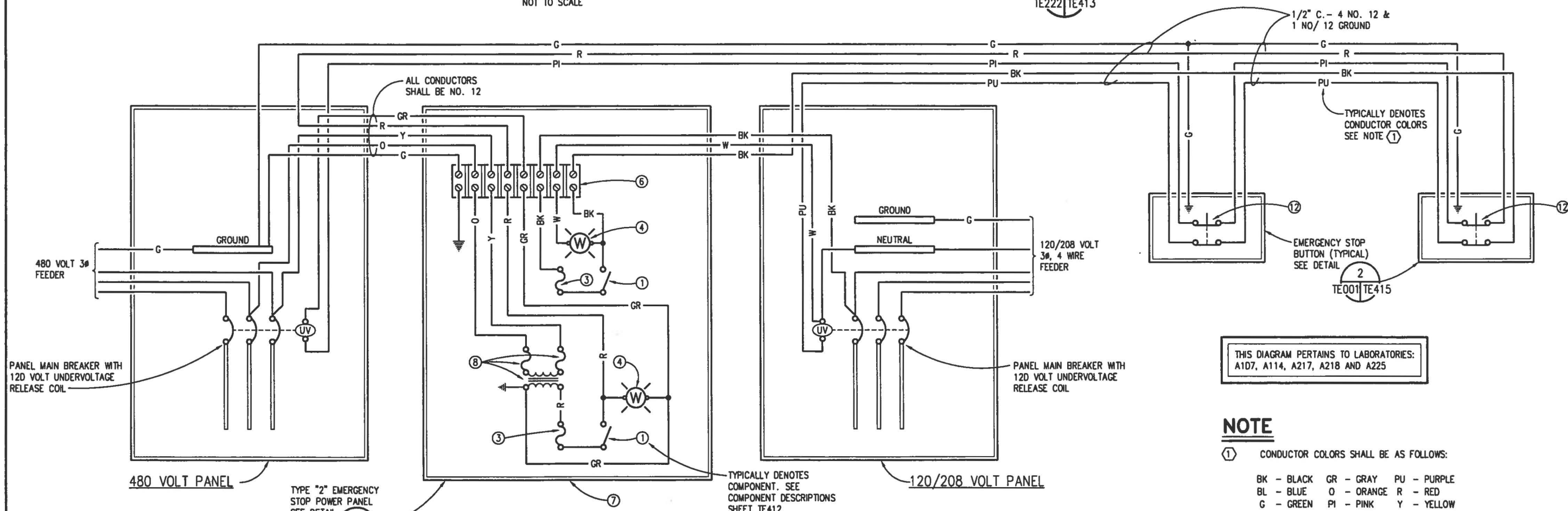
IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REVISIONS	APPROVED	DATE	PREP BY	DATE	APPROVED
1			K. BEAVERS	7/26/96	E. L. MELETS
GENERAL REVISIONS					
DESCRIPTION					
NAVAL WEAPONS STATION					
SOUTHERN DIVISION					
CHARLESTON, S.C.					
NNPTC TRAINING COMPLEX					
EMERGENCY STOP POWER PANELS					
DATE 5-21-96					
DRAWN BY E. L. MELETS					
CHECKED BY KENNETH F. BEAVERS					
RECORD DRAWING DATE					
CODE LB NO. 00001					
DRAWING SIZE: 0					
SPEC. NO. 06-95-0748					
CONSTR. CONTR. NO. N62467-95-C-0748					
NAVFAC DRAWING NO. 5321349					
SHEET 460 OF					
TE412					



**EMERGENCY STOP WIRING DIAGRAM 120/208V. AC**  
NOT TO SCALE



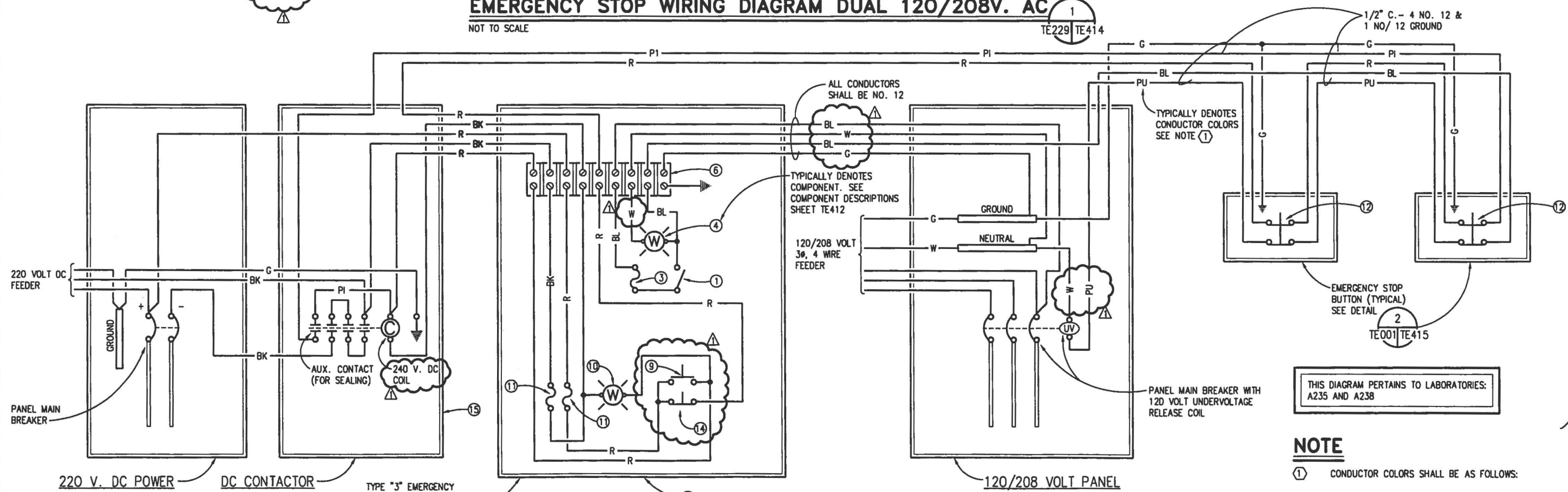
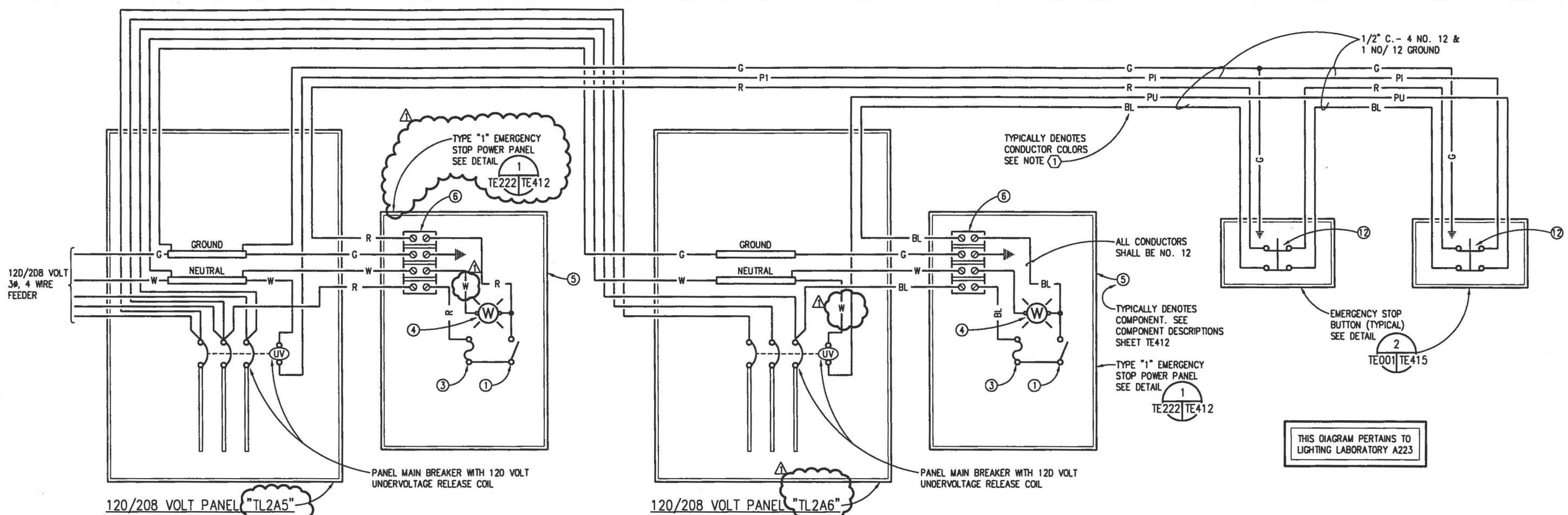
**EMERGENCY STOP WIRING DIAGRAM 480V. AND 120/208V. AC**  
NOT TO SCALE

**NOTE**

- ① CONDUCTOR COLORS SHALL BE AS FOLLOWS:
- |            |            |             |
|------------|------------|-------------|
| BK - BLACK | GR - GRAY  | PU - PURPLE |
| BL - BLUE  | O - ORANGE | R - RED     |
| G - GREEN  | PI - PINK  | Y - YELLOW  |

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

REV. DESCRIPTION	APPROV. DATE	PREP BY	DATE
GENERAL REVISIONS	7/26/96	K. BEAVERS	7/26/96
KCB Architects, Inc. 30 North 1st Street Jacksonville, Florida 32202 E. L. MELETS 21 MAY 1996			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C. NAVAL WEAPONS STATION NNPTC TRAINING COMPLEX EMERGENCY STOP WIRING DIAGRAMS DATE 5-21-96 APPROVED <i>effe</i>			
SEAL AREA ROBERT F. BEAVER No. 3145 1996 REGISTERED ENGINEER			
RECORD DRAWING DATE CODE LD NO. 00091 DRAWING SIZE: D SPEC. NO. 06-95-0748 CONSTR. CONTR. NO. N62467-95-C-0748 NAVFAC DRAWING NO. 5321350 SHEET 461 OF			
TRAINING FACILITY <b>TE413</b>			



**NOTE**

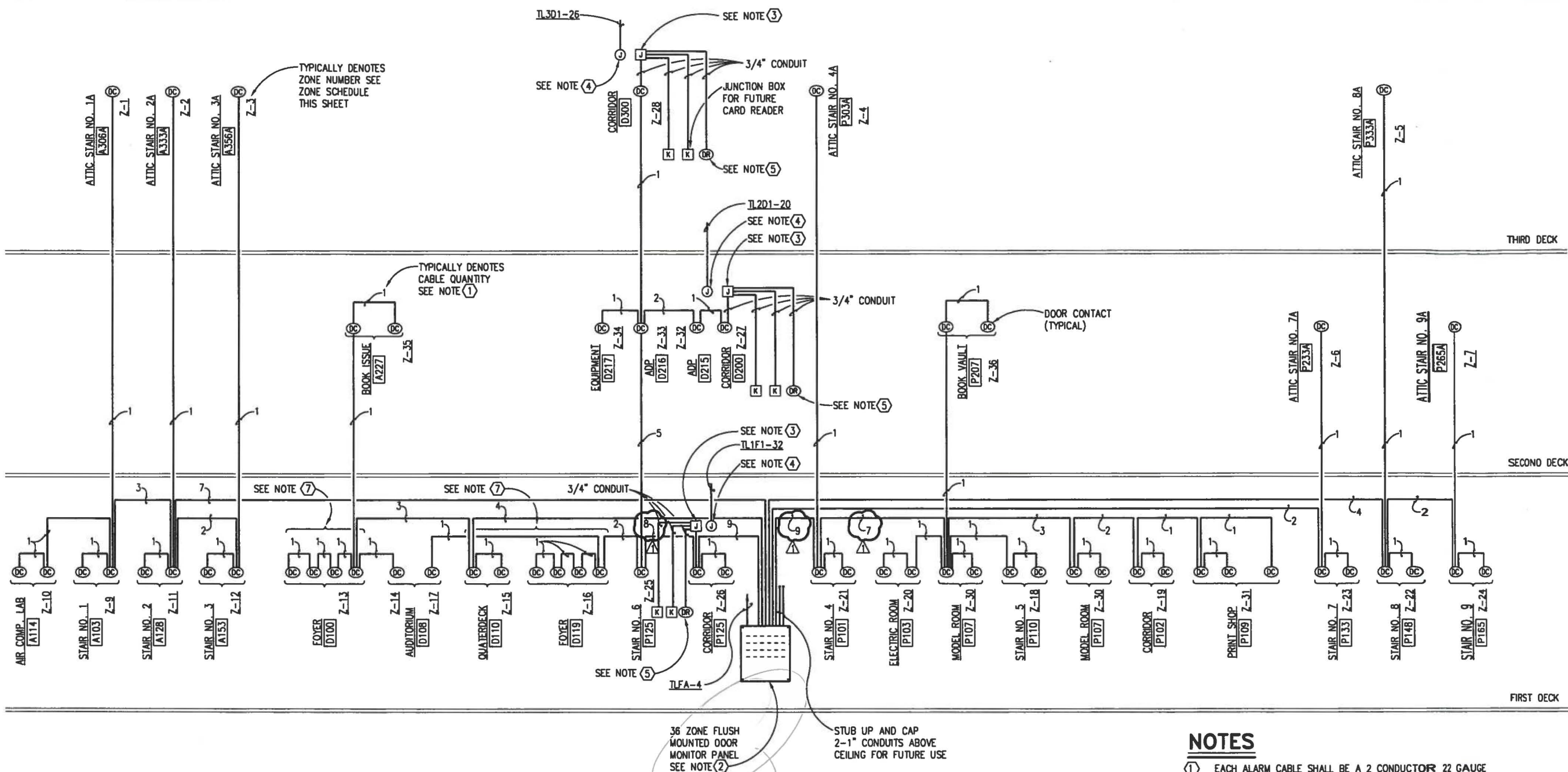
① CONDUCTOR COLORS SHALL BE AS FOLLOWS:

BK - BLACK	GR - GRAY	PU - PURPLE
BL - BLUE	O - ORANGE	R - RED
G - GREEN	PI - PINK	Y - YELLOW

APPROVED E. L. MELETS 5-21-96		PARTNER 21 MAY 1996 THOMPSON 300 North John Street Jacksonville, Florida 32202	
REV. DESCRIPTION GENERAL REVISIONS	PREP BY K. BEAVERS	DATE 7/26/96	APPROV E. L. MELETS
SOUTHERN DIVISION CHARLESTON, S.C. NAVAL WEAPONS STATION NNPTC TRAINING COMPLEX EMERGENCY STOP WIRING DIAGRAMS			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON, S.C.			
SEAL AREA KENNETH F. BEAVERS No. 31962 REGISTERED ENGINEER			
RECORD DRAWING DATE CODE LD NO. 80091 DRAWING SIZE: D SPEC. NO. 06-95-0748 CONSTR. CONTR. NO. N62467-95-C-0748 NAVFAC DRAWING NO. 5321351 SHEET 462 OF			







DOOR ZONE SCHEDULE

ZONE	DESCRIPTION	ZONE	DESCRIPTION
1	ATTIC STAIR AREA 'A'	19	LOADING DOCK AREA 'E'
2	ATTIC STAIR AREA 'B'	20	ELECTRIC ROOM AREA 'E'
3	ATTIC STAIR AREA 'C'	21	STAIR NO. 4 AREA 'E'
4	ATTIC STAIR AREA 'E'	22	STAIR NO. 8 AREA 'F'
5	ATTIC STAIR AREA 'F'	23	STAIR NO. 7 AREA 'G' WEST
6	ATTIC STAIR AREA 'G' WEST	24	STAIR NO. 9 AREA 'G' EAST
7	ATTIC STAIR AREA 'G' EAST	25	STAIR NO. 6 AREA 'D'
8	SPARE	26	CORRIDOR 'P' SCHOOL 1ST. DECK
9	STAIR NO. 1 AREA 'A'	27	CORRIDOR 'P' SCHOOL 2ND. DECK
10	AIR COMPRESSOR LAB	28	CORRIDOR 'P' SCHOOL 3RD. DECK
11	STAIR NO. 2 AREA 'B'	29	SPARE
12	STAIR NO. 3 AREA 'C'	30	MODEL ROOM
13	NORTH FOYER AREA 'D'	31	PRINT SHDP
14	NORTH AUDITORIUM	32	ADP ROOM EAST
15	QD ENTRY AREA 'D'	33	ADP ROOM WEST
16	SOUTH FOYER AREA 'D'	34	ADP EQUIPMENT ROOM
17	SOUTH AUDITORIUM	35	BOOK ISSUE
18	STAIR NO. 5 AREA 'E'	36	BOOK VAULT

SECURITY SYSTEMS RISER DIAGRAM

NOT TO SCALE

TE225 TE416

## NOTES

- 1 EACH ALARM CABLE SHALL BE A 2 CONDUCTOR 22 GAUGE UNSHIELDED TYPE 'CM' COPPER CABLE INSTALLED IN CONDUIT AS FOLLOWS:  
1 TO 4 CABLES - 1/2 INCH CONDUIT  
5 TO 6 CABLES - 3/4 INCH CONDUIT  
7 TO 9 CABLES - 1 INCH CONDUIT
- 2 LABEL ACTIVE DOOR POSITIONS AS INDICATED BY THE ZONE SCHEDULE.
- 3 CARD READER CONTROL BOX: PROVIDE A 6" SQUARE, 4" DEEP NEMA 1 ENCLOSURE ABOVE CEILING ON POWER SCHOOL SIDE OF INDICATED DOOR FOR FUTURE CARD READER EQUIPMENT.
- 4 PROVIDE A SINGLE GANG JUNCTION BOX ABOVE CEILING ADJACENT TO CARD READER CONTROL BOX AND TERMINATE CIRCUIT FOR FUTURE.
- 5 LOCATE DOOR RELEASE JUNCTION BOX ON POWER SCHOOL SIDE OF DOOR AT STRIKE SIDE OF DOOR IN LOCATION TO ACCOMMODATE FUTURE CONNECTION TO ELECTRIC DOOR STRIKE.
- 6 LOCATE DOOR RELEASE JUNCTION BOX ON POWER SCHOOL SIDE OF DOOR AT HINGE SIDE OF DOOR IN LOCATION TO ACCOMMODATE FUTURE CONNECTION TO ELECTRIC DOOR STRIKE VIA ELECTRIC DOOR HINGE.
- 7 ROUTE WIRING FOR THESE DOOR CONTACTS CONCEALED WITHIN STORE FRONT MULLIONS.

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

REVISIONS	DESCRIPTION	DATE	APPROVED
1	GENERAL REVISIONS	7/26/96	EAH
PREP BY K. BEAVERS REV. DESCRIPTION DATE APPROVED 1 7/26/96 EAH			
SOUTHERN DIVISION CHARLESTON, S.C. NAVAL WEAPONS STATION NNPTC TRAINING COMPLEX RISER DIAGRAM 5-21-96 ETS FOR COMNAVEP, NAVFAC			
AUTHORIZED ENGINEER F. BEAVERS No. 3148 State of South Carolina Licensed Professional Engineer			
RECORD DRAWING DATE CODE LD NO. 80091 DRAWING SIZE: 0 SPEC. NO. 06-95-0748 CONSTR. CONTR. NO. N62467-95-C-0748 NAVFAC DRAWING NO. 5321353 SHEET 464 OF			

TE416







HINGED FLAT STEEL LENS DOOR WITH MITERED CORNERS DESIGNED TO FORM A MECHANICAL LIGHT SEAL. DOOR TO BE SECURED WITH CAM LATCHES. DOOR FINISHED AFTER FABRICATION TO MATCH HOUSING.

PROVIDE EMERGENCY FLUORESCENT BALLAST IN FIXTURE TYPE "TGE".

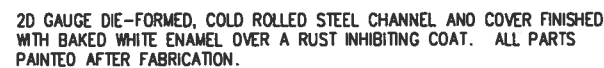
NOT TO SCALE



PRE-ANODIZED ALUMINUM, 3-INCH DEEP, 16 CELL, PARABOLIC LOUVER WITH SEMI-SPECULAR LOW IRIDESCENT FINISH. LOUVER SHALL HAVE DIE-FORMED STEEL HINGES SUITABLE FOR HINGING FROM EITHER SIDE. LOUVER SHALL BE DESIGNED TO FORM A MECHANICAL LIGHT SEAL AND SHALL INCLUDE CONCEALED SPRING STEEL LATCHES.

FIXTURE SHALL BE SUITABLE FOR INSTALLATION IN AN INVERTED T-GRID CEILING.

NOT TO SCALE



20 GAUGE PORCELAIN ENAMELING STEEL, ONE PIECE REFLECTOR FINISHED  
INSIDE AND OUT IN WHITE PORCELAIN ENAMEL, APERTURED FOR 10%  
UPLIGHT.

FIXTURE TO BE CHAIN HUNG 8'-0" ABOVE FLOOR, UNLESS NOTED OTHERWISE.

PROVIDE EMERGENCY FLUORESCENT BALLAST IN FIXTURE TYPE "THE".

NOT TO SCALE



REFLECTORS: UPPER - ELLIPSOIDAL SEMI-SPECULAR CLEAR ALZAK ALUMINUM;  
LOWER-COMPOUND CURVED, SELF-FLANGED, LOW IRIDESCENCE CLEAR  
ALZAK ALUMINUM.

U.L. LISTED FOR THRU BRANCH CIRCUIT WIRING AND DAMP LOCATIONS.

NOT TO SCALE



PRISMATIC GLASS SPREAD LENS SECURELY ATTACHED TO DOOR.

BEVELED CAST ALUMINUM DOOR FRAME FINISHED TO MATCH FIXTURE HOUSING.

ONE PIECE. MULTI-FACETED, SPECULAR ALUMINUM REFLECTOR.

277 VOLT BALLAST.

TWO 26 WATT, HORIZONTALLY MOUNTED, COMPACT FLUORESCENT LAMPS.

U.L. LISTED FOR DAMP LOCATIONS.

SURFACE MOUNT FIXTURE TO CEILING U.N.O.

NOT TO SCALE



NOMINAL 1/2-INCH DIAMETER, STEEL FIXTURE STEM TO ALLOW 360 DEGREE HORIZONTAL ROTATION AND 90 DEGREE VERTICAL ROTATION.

NO EXPOSED CONDUCTORS.

BLACK MILLIGROOVE ALUMINUM BAFFLE SECURED WITH RETAINING CLIP.

VIBRATION RESISTANT TRACTION AIMING MECHANISM.

PORCELAIN LAMPHOLDER SOCKET WITH NICKEL PLATED SCREW SHELL.


SINGLE CIRCUIT TRACK MOUNTING HEAD DESIGNED FOR 90 DEGREE TURN AND LATCH INSTALLATION.

INTEGRAL ON/OFF SWITCH MOUNTED IN LAMPHEAD.

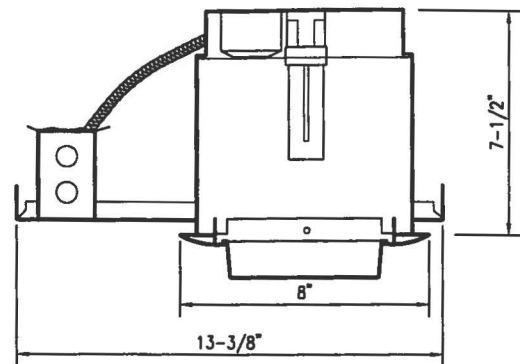
HOUSING, STEM, AND MOUNTING HEAD FINISHED WITH BAKED WHITE ENAMEL PAINT.

150 WATT, PAR-38, SPOT LAMP.

**NOT TO SCALE**

		DEPARTMENT OF THE NAVY SOUTHERN DIVISION CHARLESTON, S.C.		NAVAL FACILITIES ENGINEERING COMMAND NAVAL WEAPONS STATION CHARLESTON, S.C.		REV. DESCRIPTION A GENERAL REMOVALS		PREP BY K. BEAVERS		DATE 7/26/96		APPROVD E.P.W.		1000 PHILLIPS PRATT PARTNER 21 MAY 1996 E. L. MELETS	
SEAL AREA NAVAL WEAPONS STATION NNPTC TRAINING COMPLEX LIGHTING FIXTURE DETAILS		APPROVED <i>officer</i>		DATE 5-21-96		EFB FOR COMMANDER, NAVAL FAC		REV. DESCRIPTION A GENERAL REMOVALS		PREP BY K. BEAVERS		DATE 7/26/96		APPROVD E.P.W.	
CODE LD NO. DRAWING DATE SPEC. NO. 06-95-0748 CONSTR. CONTR. NO. NS2467-95-C-0748 NAVAL DRAWING NO. 5321355		80091 0 06-95-0748 0748 5321355		SHEET 466 OF TE502		1000 PHILLIPS PRATT PARTNER 21 MAY 1996 E. L. MELETS		REV. DESCRIPTION A GENERAL REMOVALS		PREP BY K. BEAVERS		DATE 7/26/96		APPROVD E.P.W.	





MINIMUM 22 GAUGE STEEL HOUSING WITH ENAMEL PAINT FINISH OVER A RUST INHIBITING COATING.

DIE-CAST ALUMINUM TRIM RING WITH WHITE ENAMEL PAINT FINISH.

DROP OPAL IMPACT RESISTANT DIFFUSER SEALED FOR SHOWER APPLICATION

GLASS FILLED THERMOPLASTIC SOCKET.

BALLAST AND WIRING JUNCTION BOX ACCESSIBLE FROM BELOW CEILING.

120 VOLT BALLAST.

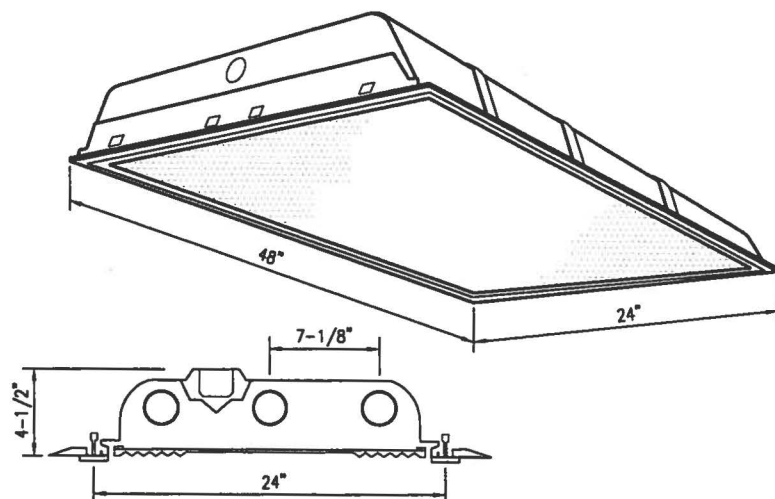
ONE, 13 WATT, DOUBLE TWIN TUBE, COMPACT FLUORESCENT LAMP.

FIXTURE SUITABLE FOR INSTALLATION IN A GYPSUM BOARD OR PLASTER CEILING.

U.L. LISTED FOR DAMP LOCATIONS AND IN DIRECT CONTACT WITH INSULATION.

### FIXTURE TYPE "TN"

NOT TO SCALE



DIE-FORMED STEEL HOUSING AND END PLATES FINISHED AFTER FABRICATION WITH MINIMUM 89% REFLECTIVE, ELECTROSTATICALLY APPLIED BAKED WHITE ENAMEL FINISH OVER A PHOSPHATE PRIME COATING WITH RUST INHIBITOR.

FIXTURE END PLATES ATTACHED WITH A MINIMUM OF (4) SCREWS.

HINGED FLAT STEEL LENS DOOR WITH MITERED CORNERS DESIGNED TO FORM A MECHANICAL LIGHT SEAL. DOOR TO BE SECURED WITH CAM LATCHES. DOOR FINISHED AFTER FABRICATION TO MATCH HOUSING.

SNAP IN BALLAST COVER WITH 277 VOLT BALLAST, SECURED WITH TWO CAPTIVE BOLTS.

MINIMUM 0.125 INCH THICK, 100% VIRGIN ACRYLIC, PATTERN 12 PRISMATIC LENS.

PRESSURE LOCK LAMP HOLDERS.

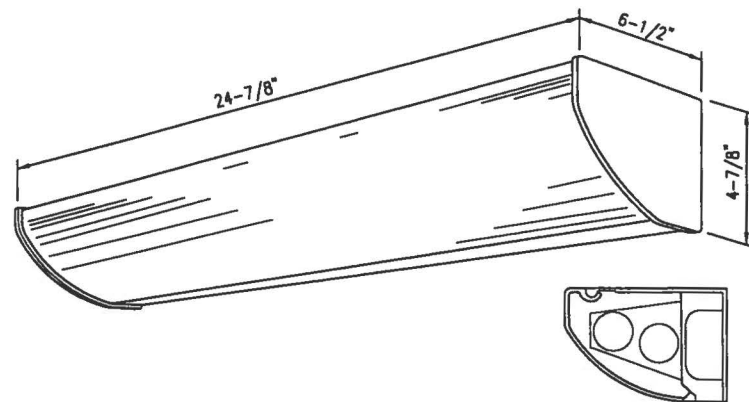
THREE, 48-INCH, T-8 FLUORESCENT LAMPS.

FIXTURE TO BE SUITABLE FOR INSTALLATION IN AN INVERTED T GRID CEILING.

PROVIDE EMERGENCY FLUORESCENT BALLAST IN FIXTURE TYPE "TRE".

### FIXTURE TYPES "TR" & "TRE"

NOT TO SCALE



SECTION

HEAVY GAUGE EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE KNOCKOUT OPENINGS, AND CLEAR ANODIZED FINISH.

KNOCK-OUT FREE, DIE-CAST ALUMINUM END PANELS WITH BAKED ENAMEL PAINT FINISH.

FORMED STEEL REFLECTOR PAINTED AFTER FABRICATION WITH HIGH REFLECTANCE BAKED WHITE ENAMEL.

MOLDED, ONE-PIECE, FLEXIBLE, WHITE TRANSLUCENT, HIGH-IMPACT, LIGHT STABILIZED POLYCARBONATE LENS MOUNTED TO FULL LENGTH RETAINER SUPPORTS.

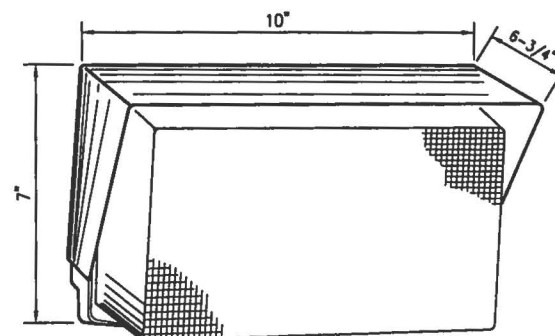
120 VOLT BALLAST, SECURED TO HOUSING WITH TWO CAPTIVE BOLTS.

TWO, 24-INCH, T-8 FLUORESCENT LAMPS.

WALL MOUNT FIXTURE OVER MIRROR.

### FIXTURE TYPE "TP"

NOT TO SCALE



DIE-CAST ALUMINUM HOUSING WITH CAST ALUMINUM GLARE SHIELD FINISHED WITH BRONZE POLYESTER PAINT.

ALL EXPOSED HARDWARE TO BE STAINLESS STEEL.

MINIMUM 0.10" THICK, ONE-PIECE, INJECTION MOLDED, U.V. STABILIZED, POLYCARBONATE PRISMATIC LENS, MOUNTED TO A CONTINUOUS NEOPRENE GASKET FORMED ALUMINUM REFLECTOR.

277 VOLT BALLAST.

PULSE RATED MEDIUM BASE SOCKET.

100 WATT, CLEAR, HIGH PRESSURE SODIUM LAMP.

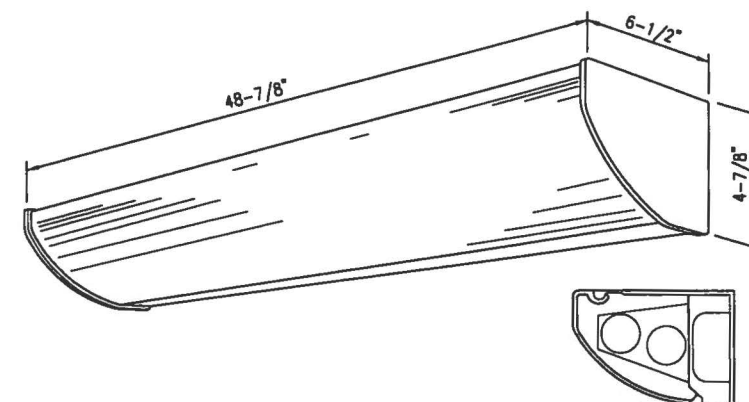
INTEGRAL PHOTOCELL MOUNTED WITHIN FIXTURE HOUSING.

WALL MOUNT FIXTURE, HEIGHT AS INDICATED ON PLAN.

U.L. LISTED FOR WET LOCATION.

### FIXTURE TYPE "TT"

NOT TO SCALE



SECTION

HEAVY GAUGE EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE KNOCKOUT OPENINGS, AND CLEAR ANODIZED FINISH.

KNOCK-OUT FREE, DIE-CAST ALUMINUM END PANELS WITH BAKED ENAMEL PAINT FINISH.

FORMED STEEL REFLECTOR PAINTED AFTER FABRICATION WITH HIGH REFLECTANCE BAKED WHITE ENAMEL.

MOLDED, ONE-PIECE, FLEXIBLE, WHITE TRANSLUCENT, HIGH-IMPACT, LIGHT STABILIZED POLYCARBONATE LENS MOUNTED TO FULL LENGTH RETAINER SUPPORTS.

277 VOLT BALLAST, SECURED TO HOUSING WITH TWO CAPTIVE BOLTS.

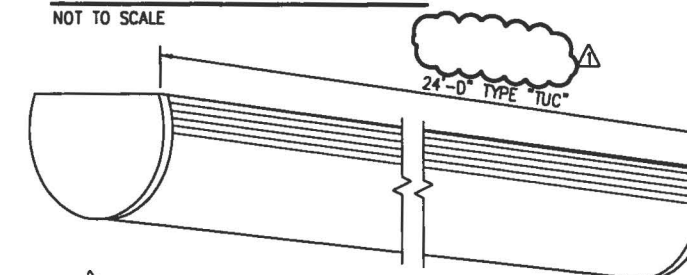
TWO, 48-INCH, T-8 FLUORESCENT LAMPS.

WALL MOUNT FIXTURE OVER 7'-0" ABOVE LANDING, U.N.O..

FIXTURE EQUIPPED WITH EMERGENCY FLUORESCENT BALLAST.

### FIXTURE TYPE "TQE"

NOT TO SCALE



ONE PIECE MINIMUM 0.14" THICK EXTRUDED ALUMINUM HOUSING WITH WHITE ENAMEL PAINT FINISH TO PROVIDE A 180 DEGREES APERTURE.

STEEL INTERNAL REFLECTOR FINISHED WITH MINIMUM 88% REFLECTIVE WHITE PAINT.

NOMINAL 0.125" THICK ACRYLIC LENS WITH INTERIOR LINEAR SIDE PRISMS MECHANICALLY SECURED TO HOUSING.

MINIMUM 0.125" THICK DIE-CAST ALUMINUM END PLATES FINISHED TO MATCH FIXTURE.

3 LAMP CROSS SECTION COMPRISED OF 48-INCH T-8 FLUORESCENT LAMPS.

277 VOLT BALLAST EACH SECURED WITH TWO CAPTIVE MOUNTING BOLTS. EMERGENCY FLUORESCENT BALLASTS AT LOCATIONS INDICATED ON PLANS BY CROSSHATCHING.

PENDANT SYSTEM TO SECURE FIXTURE AS INDICATED IN FIXTURE MOUNTING DETAIL 2/TE205/TE511.

MINIMUM FIXTURE EFFICIENCY 86% OF BARE LAMP LUMENS.

### FIXTURE TYPE "TUC"

NOT TO SCALE

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

TRAINING FACILITY

RECORD OF REVISION	DATE	APPROVED	REVISION	DESCRIPTION
1	7/26/96	K. BEAVERS	1	GENERAL REVISIONS
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NAVAL WEAPONS STATION  
CHARLESTON, S.C.  
NNPTC TRAINING COMPLEX  
LIGHTING FIXTURE DETAILS

APPROVED: *[Signature]* DATE: 5-21-96

RECORD DRAWING DATE: 5-21-96

CODE LD NO. 80091

DRAWING SIZE: 0

SPEC. NO. 06-95-0748

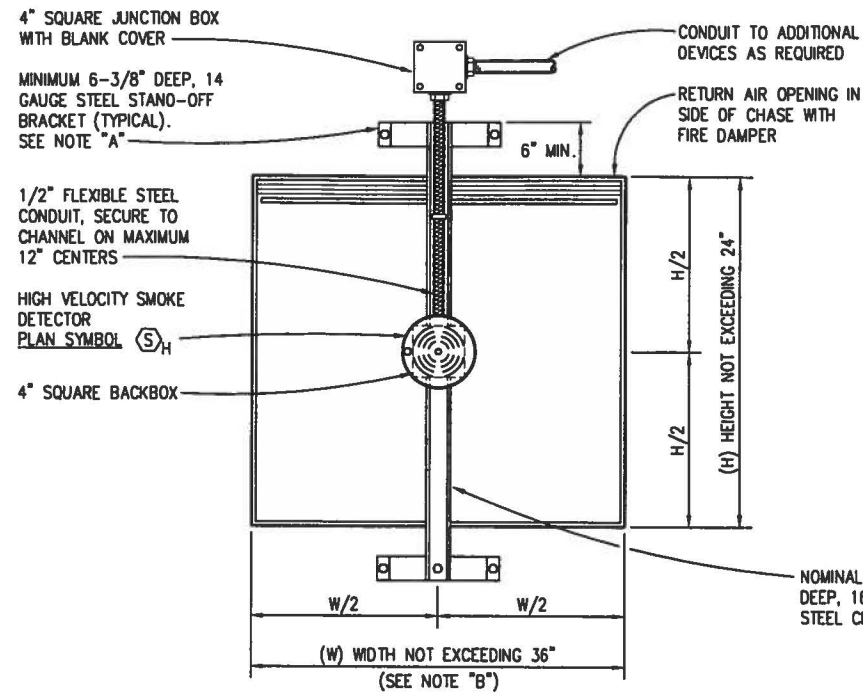
CONSTR. CONTR. NO. N62467-95-C-0748

NAVFAC DRAWING NO. 5321356

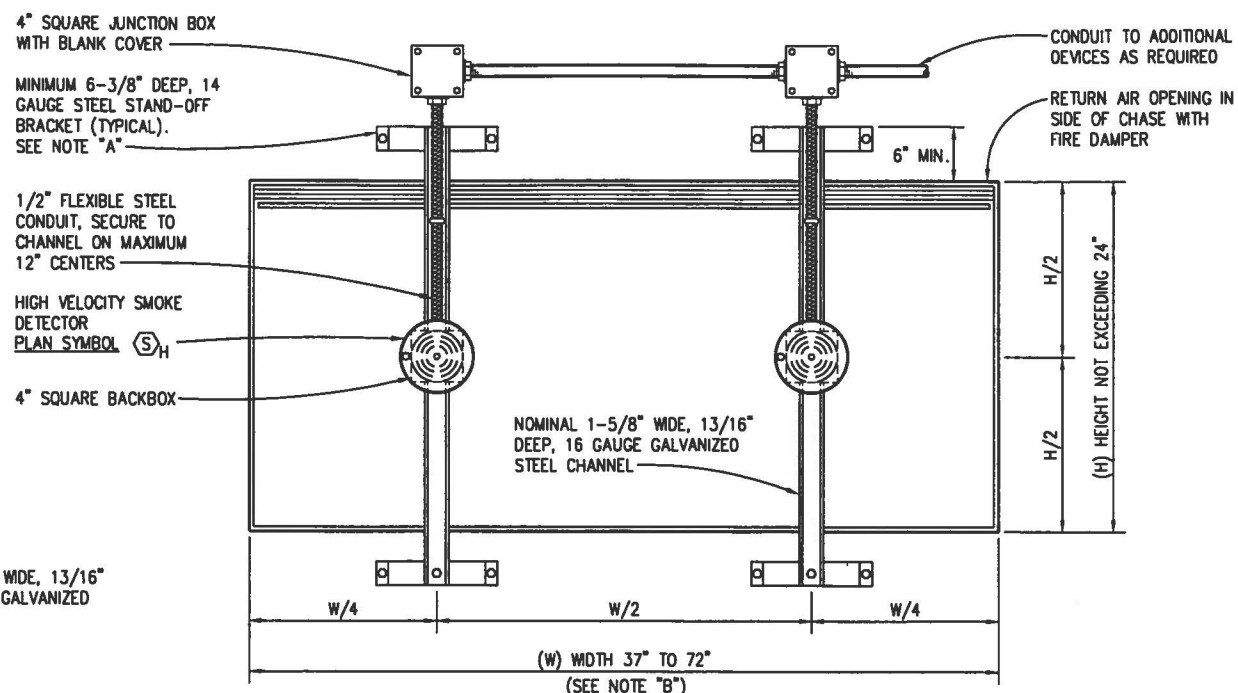
SHEET 467 OF 467

TE503





FRONT ELEVATION  
(OPENING WITH (1) DETECTOR)



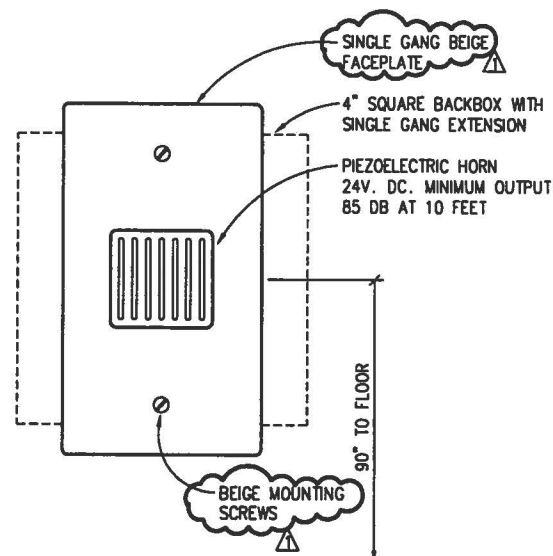
FRONT ELEVATION  
(OPENING WITH (2) DETECTORS)

- A. STAND OFF BRACKET MUST PROVIDE A MINIMUM OF 6-INCH CLEARANCE BETWEEN CHASE WALL AND STEEL CHANNEL TO INSURE REQUIRED CLEARANCE FOR FIRE DAMPER SLEEVE.
- B. INTENT IS TO COMPLY WITH NFPA 72 A-5-11.5.2.2
- C. PROVIDE SMOKE DETECTOR REMOTE INDICATOR LAMP FLUSH MOUNTED IN CEILING DIRECTLY BELOW EACH DETECTOR. (REMOTE INDICATOR LAMPS DO NOT APPEAR ON FLOOR PLANS.)

## DETAIL - SMOKE DETECTOR(S) MOUNTING

NOT TO SCALE

TE222 TE505



## DETAIL - REMOTE AUDIBLE ALARM

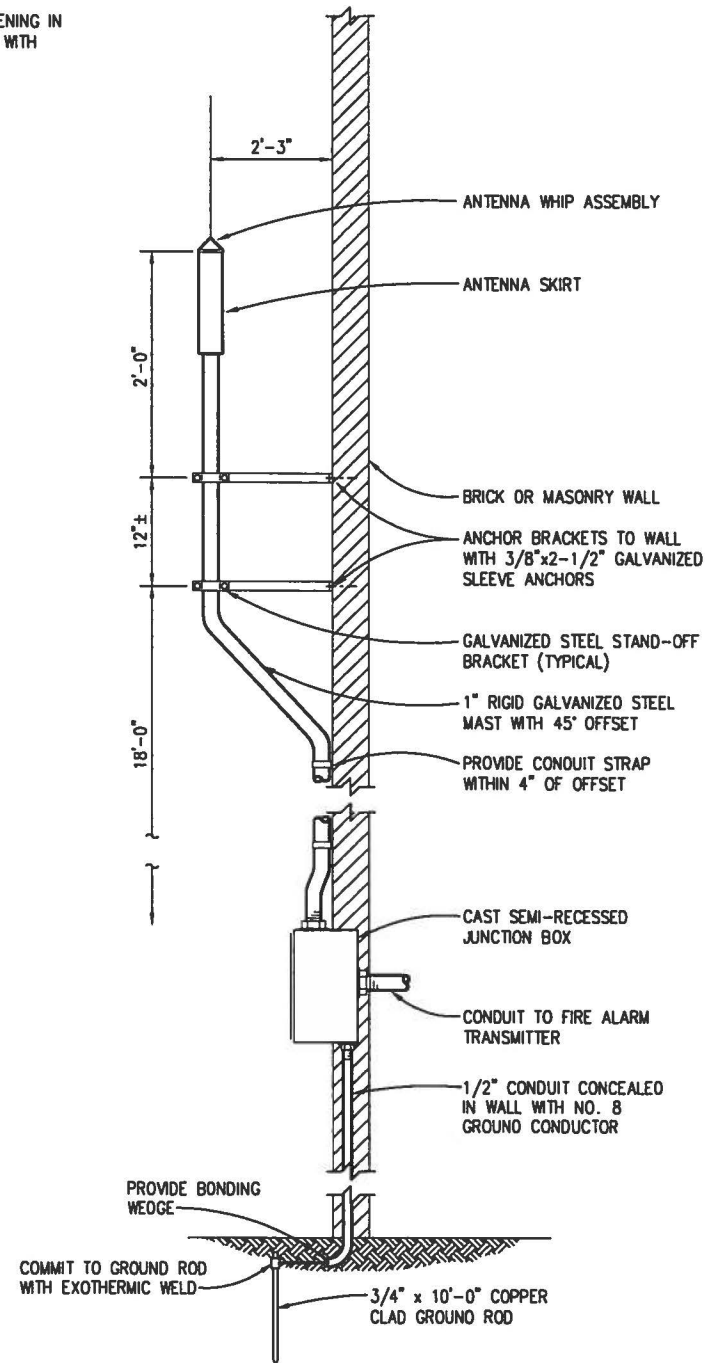
NOT TO SCALE

TE001 TE505

TRANSMITTER ZONE SCHEDULE					
ZONE	RELAY GROUP (NOTE 1)	DESCRIPTION	ZONE	RELAY GROUP (NOTE 1)	DESCRIPTION
1	A	FIRST DECK	11	C	CEILING SMOKE DETECTOR
2	A	SECOND DECK	12	C	RETURN AIR SMOKE DETECTOR (NON-DUCTED)
3	A	THIRD DECK	13	C	DUCT SMOKE DETECTOR
4	A	ATTIC DECK	14	C	SPRINKLER FLOW OR PRESSURE SWITCH
5	B	A-SCHOOL (AREA A)	15	-	SPARE
6	B	A-SCHOOL (AREA B AND C)	16	-	SPARE
7	B	ADMINISTRATION (AREA D)	17	-	SPARE
8	B	POWER SCHOOL (AREA E AND F-WEST)	18	-	SPARE
9	B	POWER SCHOOL (AREA F-EAST AND G)	19	-	SPARE
10	C	MANUAL PULL STATION	20	-	FIRE ALARM COMMON TROUBLE

### NOTE

1. PROVIDE POINT ACTIVATED ADDRESSABLE RELAYS WITH NORMALLY OPEN DRY CONTACTS IN THE FIRE ALARM CONTROL PANEL CONNECTED AS CLASS 'B' ZONE INITIATING DEVICES TO THE INTEGRATED RADIO TRANSMITTER/CONTROL PANEL FOR REMOTE REPORTING. CONFIGURE RELAYS FOR INITIATING THREE SEPARATE SIGNALS UPON ALARM ACTIVATION, ONE EACH FROM GROUPS A,B, AND C WHICH WILL SIGNAL THE DECK, LOCATION AND DEVICE TYPE FOR EACH ALARM.

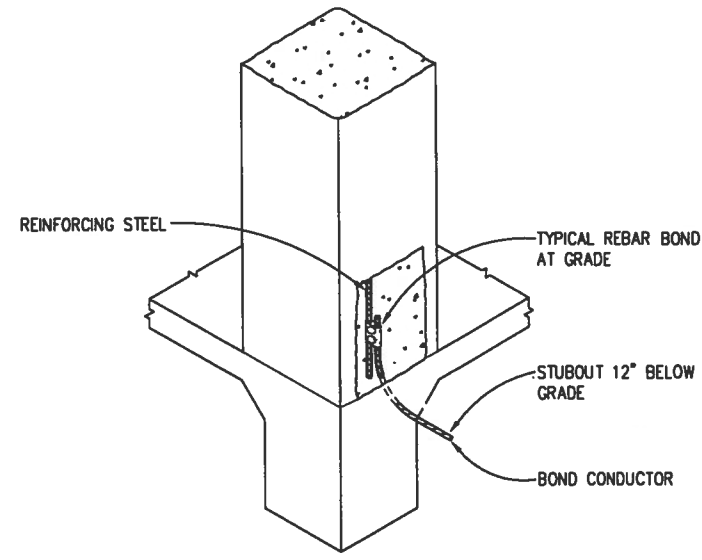
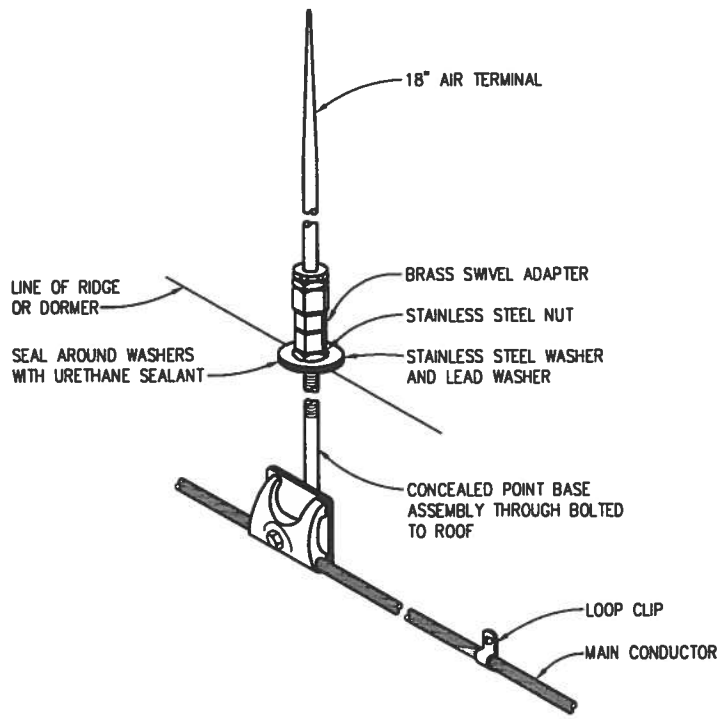
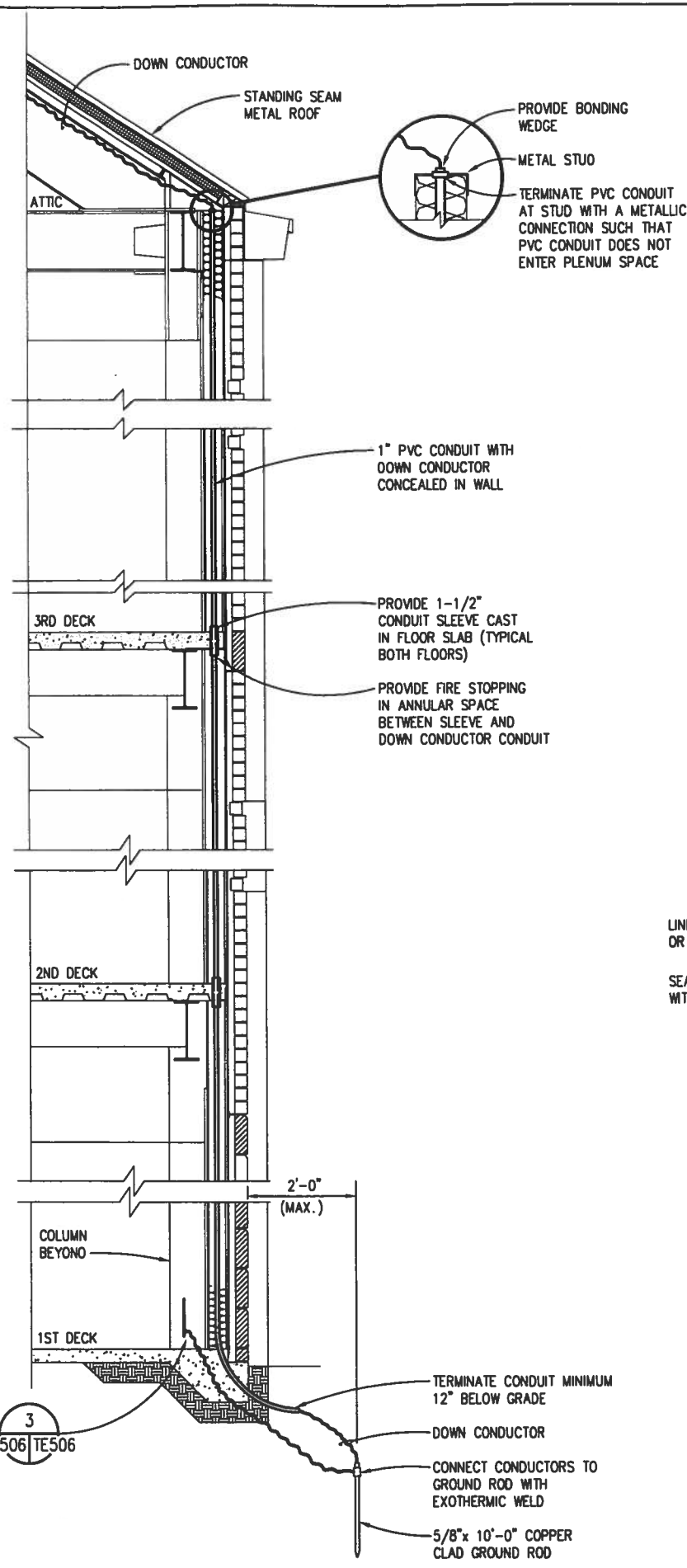


## ANTENNA MOUNTING DETAIL

NOT TO SCALE

TE233 TE505

PROJECT NO. 06-95-0748 SHEET 469 OF 469 DATE 5-21-96 DRAWN BY J. BEAVER CHECKED BY J. BEAVER APPROVED BY J. BEAVER E. L. MELETS	PROJECT NO. 06-95-0748 SHEET 469 OF 469 DATE 5-21-96 DRAWN BY J. BEAVER CHECKED BY J. BEAVER APPROVED BY J. BEAVER E. L. MELETS	PROJECT NO. 06-95-0748 SHEET 469 OF 469 DATE 5-21-96 DRAWN BY J. BEAVER CHECKED BY J. BEAVER APPROVED BY J. BEAVER E. L. MELETS	PROJECT NO. 06-95-0748 SHEET 469 OF 469 DATE 5-21-96 DRAWN BY J. BEAVER CHECKED BY J. BEAVER APPROVED BY J. BEAVER E. L. MELETS
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NOTE  
DETAILS SHOW TYPICAL GENERAL EXAMPLES ONLY.  
FITTINGS AND APPLICATION SHALL BE DETERMINED  
BASED ON ACTUAL SITE CONDITIONS.

**DOWN CONDUCTOR INSTALLATION DETAIL**  
NOT TO SCALE

**AIR TERMINAL DETAIL**  
NOT TO SCALE

**REBAR BOND DETAIL**  
NOT TO SCALE

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

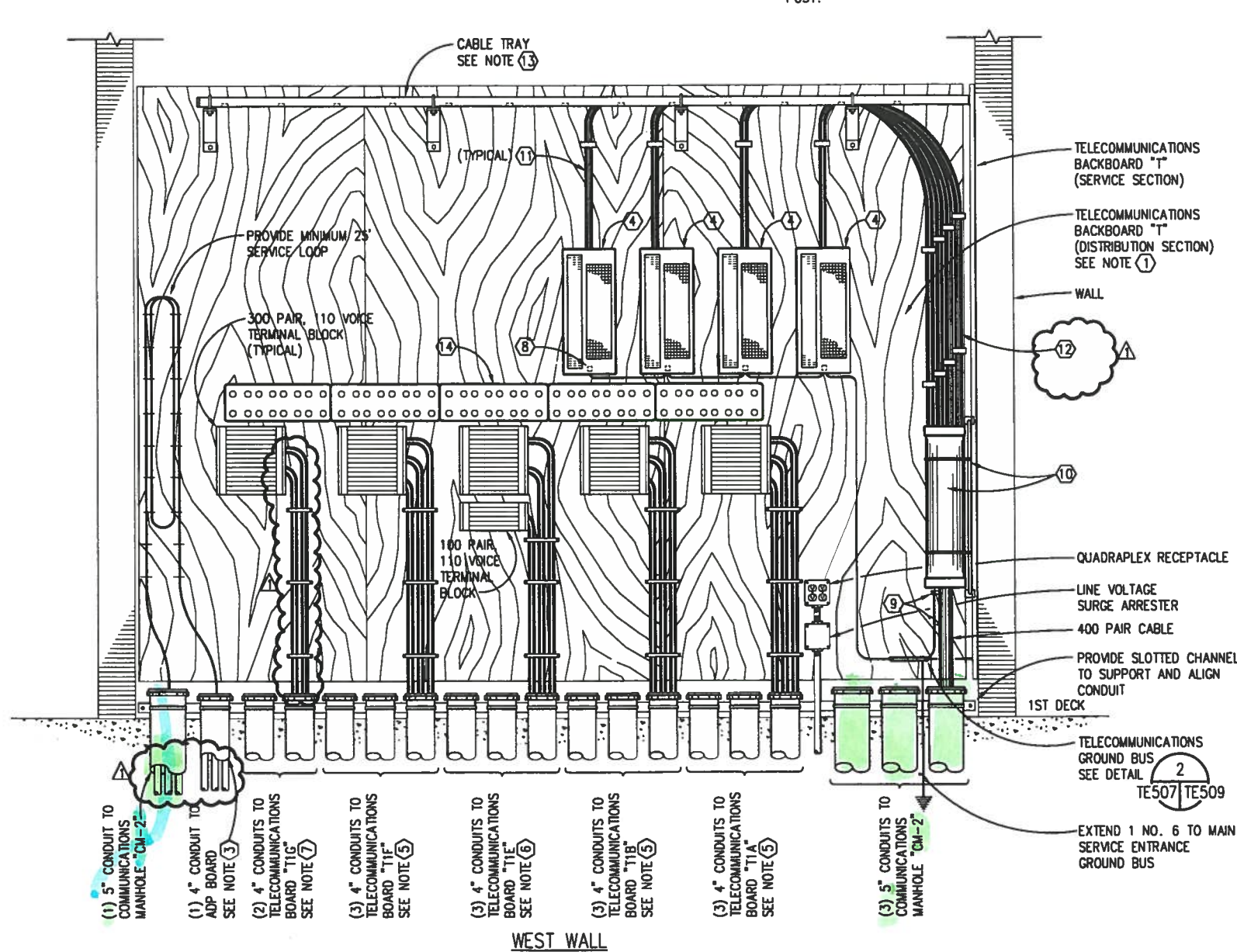
APPROVED  KENNETH F. BEATTY REGISTERED ELECTRICAL ENGINEER No. 3145 State of South Carolina		RECORD DRAINING DATE CODE LID NO. B0091 DRAWING SIZE: 0 SPEC. NO. 06-95-0748 CONSTR. CONTR. NO. N62467-95-C-0748 NAVFAC DRAWING NO. 5321359 SHEET 470 OF
DEPARTMENT OF THE NAVY NAVAL WEAPONS STATION SOUTHERN DIVISION CHARLESTON, S.C.		NAVFAC DRAWING NO. 5321359 SHEET 470 OF
NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON, S.C.		DATE 5-21-96 ETS FOR COMMANDER, NAVFAC
REV. DESCRIPTION 1. INITIALS 2. INITIALS 3. INITIALS		PREP BY DATE APPROV 1. INITIALS 2. INITIALS 3. INITIALS
PROJECT NO. 06-95-0748 PROJECT NAME NNPTC TRAINING COMPLEX PROJECT LOCATION CHARLESTON, S.C.		PROJECT NO. 06-95-0748 PROJECT NAME NNPTC TRAINING COMPLEX PROJECT LOCATION CHARLESTON, S.C.

9512TE65



# NOTES

- PROVIDE A 3/4" THICK PLYWOOD BACKBOARD, SIZE AS SHOWN WITH A MINIMUM OF TWO COATS OF FIRE RETARDANT PAINT.
- PROVIDE 6" DISTRIBUTION RINGS ARRANGED AS INDICATED AS A MINIMUM. PROVIDE ADDITIONAL RINGS AS REQUIRED TO INSURE AN ORDERLY ROUTING OF ALL CABLES.
- PROVIDE A 4-INCH CONDUIT WITH 3-1" INNERDUCTS; (1) INNERDUCT WITH (1) 4 STRAND MULTIMODE FIBER OPTIC CABLE TO SERVE THE CORE BUILDING AND (6) 2 STRAND MULTIMODE FIBER OPTIC CABLES TO SERVE THE BEO BUILDINGS; (2) INNERDUCTS SPARE.
- PROVIDE A 100 PAIR PROTECTOR BLOCK WITH CABLE STUB AND OPEN TYPE 66 TERMINALS FOR CROSSCONNECT CABLES.
- PROVIDE (3) 4" CONDUITS, (1) CONDUIT WITH (3) 100 PAIR 24 AWG VOICE BACKBONE CABLES; (2) CONDUITS SPARE.
- PROVIDE (3) 4" CONDUITS, (1) CONDUIT WITH (2) 150 PAIR AND (1) 100 PAIR 24 AWG VOICE BACKBONE CABLES; (2) CONDUITS SPARE.
- PROVIDE (2) 4" CONDUITS, (1) CONDUIT WITH (2) 100 PAIR 24 AWG VOICE BACKBONE CABLES; (1) CONDUIT SPARE.
- GROUND EACH PROTECTOR BLOCK WITH A NO. 6 GROUND.
- PROVIDE A SHIELD CONNECTOR AND BOND CABLE SHIELD TO GROUND BUS WITH A NO. 6 GROUND.
- PROVIDE A 400 PAIR TO (4) 100 PAIR SPLICE CLOSURE WITH MOUNTING BRACKET.
- NEATLY ROUTE CABLES AND SUPPORT USING APPROPRIATELY SIZED 2 HOLE CABLE STRAPS.
- 100 PAIR CABLE STUBS, ROUTE THROUGH CABLE TRAY TO SPLICE CLOSURE.
- PROVIDE A 6" WIDE, 3" HIGH, ALUMINUM LADDER TYPE CABLE TRAY WITH RUNGS ON 6" CENTERS. FURNISH CABLE TRAY COMPLETE WITH ALL REQUIRED FITTINGS AND HARDWARE FOR ARRANGEMENT AS SHOWN.
- PROVIDE WIRE MANAGEMENT BACKBOARD WITH DISTRIBUTION POST.

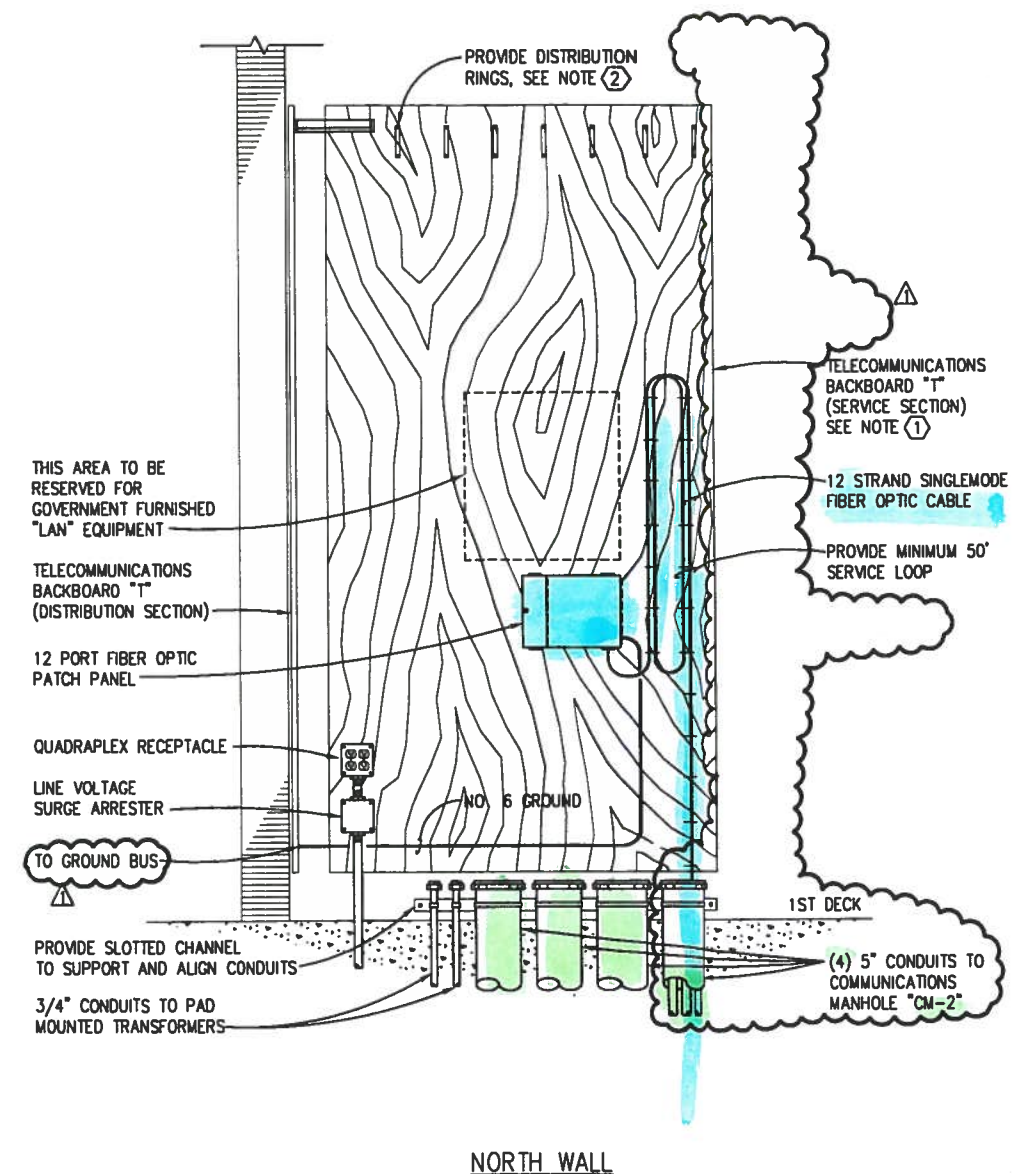


## ELEVATION - MAIN TELECOMMUNICATIONS BACKBOARD "T"

SCALE: 1"=1'-0"

TE302 TE507

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



## GRAPHIC SCALE

1" = 1'-0"

TRAINING FACILITY

REVISIONS	DATE	APPROVED
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PANEL "TH3D1" 277/480 VOLT, 3 PHASE, 4 WIRE, 225 AMP MAIN LUGS ONLY, SURFACE MOUNTED. (2-SECTION) ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 14,000 RMS SYMMETRICAL AMPERES.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	3.53	FTU 9/24	2	1	20	1.25	FTU 9/36
3	1	20	1.75	FTU 9/25	4	1	20	1.75	FTU 9/26
5	1	20	1.25	FTU 9/23	6	1	20	3.06	FTU 9/33 AND VAV 9/4
7	1	20	1.25	FTU 9/27	8	1	20	2.25	FTU 9/34
9	1	20	3.53	FTU 9/28	10	1	20	1.75	FTU 9/35
11	1	20	2.28	FTU 9/29 AND VAV 9/3	12	1	20	----	SPARE
13	1	20	0.63	FTU 9/32	14	1	20	----	SPARE
15	1	20	1.75	FTU 9/31	16	1	20	0.66	ATTIC LTG & VAV 9/5
17	1	20	3.03	FTU 9/30	18	1	20	3.50	UH-T2 RM D401
19	1	20	----	SPARE	20	1	20	3.66	NOTE 1
21	1	20	----	SPARE	22	1	20	3.92	NOTE 2
23	1	20	----	SPARE	24	1	20	----	SPARE
25	1	20	----	SPARE	26	1	----	----	SPARE
27	1	----	----	SPARE	28	1	----	----	SPARE
29	1	----	----	SPARE	30	1	----	----	SPARE
31	1	----	----	SPARE	32	1	----	----	SPARE
33	1	----	----	SPARE	34	1	----	----	SPARE
35	1	----	----	SPARE	36	1	----	----	SPARE
37	1	----	----	SPARE	38	1	----	----	SPARE
39	1	----	----	SPARE	40	1	----	----	SPARE
41	1	----	----	SPARE	42	1	----	----	SPARE
43	----	----	----	----	44	----	----	----	----
45	3	20	----	SPARE	46	3	40	20.0	EDH-T5
47	----	----	----	----	48	----	----	----	----
49	----	----	----	----	50	----	----	----	----
51	3	20	1.16	HW-T5	52	3	20	2.83	AHU-T10
53	----	----	----	----	54	----	----	----	----
55	----	----	----	----	56	----	----	----	----
57	3	50	22.44	AHU-T9	58	3	20	2.16	EF-T5
59	----	----	----	----	60	----	----	----	----

TOTAL CONNECTED LOAD: 89.39 KVA  
 1. LTG RMS A332,D300A,D308,D309,D312-D318  
 2. LTG RMS D300-D306,D310,D311,D319-D326

PANEL "TL1G1" 120/208 VOLT, 3 PHASE, 4 WIRE, 175 AMP MAIN BREAKER, SURFACE MOUNTED. ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS SYMMETRICAL AMPERES.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	----	----	----	----	2	1	20	1.08	REC RM P162
3	3	100	17.02	PANEL "TL2G1"	4	1	20	1.08	REC RMS P164,P166,P167,P164A
5	----	----	----	----	6	1	20	1.08	REC RMS P167
7	1	20	1.08	REC RMS P162,P164	8	1	20	1.08	REC RMS P155,P161,P164A
9	1	20	1.08	REC RMS P164,P166	10	1	20	1.08	REC RMS P155,P161
11	1	20	1.08	REC RMS P166,P167	12	1	20	1.08	REC RMS P163,P161
13	1	20	0.72	MICROWAVE P160	14	1	20	1.08	REC RMS P163
15	1	20	0.50	EWV P160	16	1	20	0.60	VENDING P160
17	1	20	0.60	VENDING P160	18	1	20	0.60	VENDING P160
19	1	20	0.60	VENDING P160	20	1	20	0.36	REC TEL BD "T1G" (DATA)
21	1	20	----	SPARE	22	1	20	0.36	REC TEL BD "T1G" (VOICE)
23	1	20	----	SPARE	24	1	20	0.54	REC RMS P156,P157
25	1	20	----	SPARE	26	1	20	0.41	REC RMS P158,P159 AND LIGHTING
27	1	20	----	SPARE	28	1	20	----	SPARE
29	1	20	----	SPARE	30	1	20	----	SPARE
31	1	----	----	SPARE	32	1	----	----	SPARE
33	1	----	----	SPARE	34	1	----	----	SPARE
35	1	----	----	SPARE	36	1	----	----	SPARE
37	1	----	----	SPARE	38	1	----	----	SPARE
39	1	----	----	SPARE	40	1	----	----	SPARE
41	1	----	----	SPARE	42	1	----	----	SPARE

TOTAL CONNECTED LOAD: 33.11 KVA

PANEL "TL3D1" 120/208 VOLT, 3 PHASE, 4 WIRE, 125 AMP MAIN LUGS ONLY, SURFACE MOUNTED. ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS SYMMETRICAL AMPERES.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	1.26	REC RMS D301,D302	2	1	20	1.08	REC RMS D300,D306,D310
3	1	20	1.08	REC RMS D301,D304,D305	4	1	20	1.08	REC RMS D300,D301,D310
5	1	20	1.08	REC RMS D302,D303,D304	6	1	20	1.08	REC RMS D305,D306
7	1	20	1.26	REC RMS D325,D326	8	1	20	0.90	REC RMS D319,D326,D320
9	1	20	1.08	REC RMS D321,D322,D326	10	1	20	0.90	REC RMS D319,D326
11	1	20	1.08	REC RMS D322,D323,D325	12	1	20	1.08	REC RMS D320,D321
13	1	20	1.26	REC RMS D300,D314,D317	14	1	20	0.72	REC RMS A332,D313
15	1	20	1.08	REC RMS D315,D316,D317	16	1	20	1.08	REC RMS A332
17	1	20	1.26	REC RMS D300,D316,D317,D318	18	1	20	1.08	REC RMS A322,A338A
19	1	20	1.08	REC RMS D14,D315	20	1	20	0.50	EWV D300A
21	1	20	0.90	REC RMS D308,D312,D313	22	1	20	0.36	REC RM D401
23	1	20	0.72	REC RMS D307,D312	24	1	20	0.60	AHU LTG & EMCS RM D401
25	1	20	0.36	REC RMS D300A,D309	26	1	20	0.30	FUTURE CARD READER
27	1	20	0.40	CLOCK POWER "T30"	28	1	20	----	SPARE
29	1	20	----	SPARE	30	1	20	----	SPARE
31	1	20	----	SPARE	32	1	20	----	SPARE
33	1	20	----	SPARE	34	1	----	----	SPARE
35	1	20	----	SPARE	36	1	----	----	SPARE
37	1	20	----	SPARE	38	1	----	----	SPARE
39	1	----	----	SPARE	40	1	----	----	SPARE
41	1	----	----	SPARE	42	1	----	----	SPARE

TOTAL CONNECTED LOAD: 24.7 KVA

PANEL "TL2G1" 120/208 VOLT, 3 PHASE, 4 WIRE, 125 AMP MAIN LUGS ONLY, SURFACE MOUNTED. ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS SYMMETRICAL AMPERES.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	0.90	REC RMS P264,P266	2	1	20	0.90	REC RMS P263,P264,P264A
3	1	20	0.90	REC RMS P264,P266	4	1	20	1.08	REC RMS P261,P263
5	1	20	1.08	REC RMS P266,P267	6	1	20	1.26	REC RMS P267,P263
7	1	20	1.08	REC RMS P255,P261	8	1	20	1.08	REC RMS P262
9	1	20	1.08	REC RMS P255,P261,P263	10	1	20	1.08	REC RMS P262,P264
11	1	20	1.08	REC RMS 253,P255	12	1	20	0.60	VENDING P260
13	1	20	0.60	VENDING P260	14	1	20	0.60	VENDING P260
15	1	20	0.60	VENDING P260	16	1	20	0.36	REC TEL BD "T2G" (DATA)
17	1	20	0.72	MICROWAVE P260	18	1	20	0.36	REC TEL BD "T2G" (VOICE)
19	1	20	0.50	EWV P260	20	1	20	0.40	HVAC NETWORK CONTROL UNIT
21	1	20	----	SPARE	22	1	20	0.76	REC RMS P257,P258,P259,P264B & LTG
23	1	20	----	SPARE	24	1	20	----	SPARE
25	1	20	----	SPARE	26	1	20	----	SPARE
27	1	----	----	SPARE	28	1	----	----	SPARE
29	1	----	----	SPARE	30	1	----	----	SPARE
31	1	----	----	SPARE	32	1	----	----	SPARE
33	1	----	----	SPARE	34	1	----	----	SPARE
35	1	----	----	SPARE	36	1	----	----	SPARE
37	1	----	----	SPARE	38	1	----	----	SPARE
39	1	----	----	SPARE	40	1	----	----	SPARE
41	1	----	----	SPARE	42	1	----	----	SPARE

TOTAL CONNECTED LOAD: 17.02 KVA

PANEL INDEX	
TH3D1	TL3D1
TL1G1	TL2G1

VOA ASSOCIATES, INC. 100 SOUTH SHORE AVENUE, STE. 200, PALM BEACH, FL 33480-3418 PHONE: (561) 833-1111 FAX: (561) 833-1112		APPROVED: <i>[Signature]</i> DATE: 7/26/96 PREP BY: K. BEAVERS REV. DESCRIPTION: GENERAL REVISIONS		CHARLESTON, S.C. NAVAL WEAPONS STATION NNPTC TRAINING COMPLEX PANEL SCHEDULES	
E. L. MELETS E. L. MELETS		APPROVED: <i>[Signature]</i> DATE: 5-21-96 ETS FOR COMMANDER, NAVFAC		SEAL AREA CERTIFICATE No. 31454 REGISTERED ENGINEER	
RECORD DRAWING NO. 5321376 SHEET 487 OF 488		DRAWING NO. 06-95-0748 CONSTR. CONTR. NO. N62467-95-C-0748 NAVFAC DRAWING NO. 5321376		TRAINING FACILITY TE612	

PANEL "TH1E1" 277/480 VOLT, 3 PHASE, 4 WIRE, 225 AMP MAIN LUGS ONLY, SURFACE MOUNTED. (2-SECTION) ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 25,000 RMS SYMMETRICAL AMPERES.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	3.53	FTU 11/6	2	1	20	2.53	FTU 11/4
3	1	20	2.67	FTU 11/5 AND VAV 11/1	4	1	20	3.28	FTU 11/2 AND VAV 11/2
5	1	20	3.03	FTU 11/7	6	1	20	3.53	FTU 11/1
7	1	20	3.5	UNIT HEATER UH-T1	8	1	30	5.5	FTU 11/3
9	1	20	----	SPARE	10	1	20	----	SPARE
11	1	20	----	SPARE	12	1	20	----	SPARE
13	1	20	2.36	NOTE 1	14	1	20	0.72	LTG STAIR NO. 4
15	1	20	3.74	LTG RMS P102,P111,P112 AND EXIT	16	1	20	0.72	LTG STAIR NO. 5
17	1	20	2.88	LTG RMS P107,P108,P109	18	1	20*	1.08	EXT LTG MAIN ENTRIES
19	1	20	----	SPARE	20	1	20*	0.86	EXT LTG MAIN ENTRIES
21	1	20*	1.2	SITE LIGHTING	22	2	20*	2.88	SITE LIGHTING
23	1	20*	1.2	SITE LIGHTING	24	-	-	----	----
25	1	20*	1.2	SITE LIGHTING	26	2	20*	2.88	SITE LIGHTING
27	2	20	2.0	SITE LIGHTING	28	-	-	----	----
29	-	-	----	----	30	1	-	----	SPACE
31	1	20	----	SPARE	32	-	-	----	SPACE
33	2	20*	2.88	SITE LIGHTING	34	1	20*	3.36	SITE LIGHTING
35	-	-	----	----	36	-	-	----	----
37	2	20*	2.40	SITE LIGHTING	38	1	20*	1.2	SITE LIGHTING
39	-	-	----	----	40	1	20*	1.2	SITE LIGHTING
41	2	20*	1.92	SITE LIGHTING	42	2	20*	3.93	SITE LIGHTING
43	-	-	----	----	44	-	-	----	----
45	1	-	----	SPACE	46	1	-	----	SPACE
47	1	-	----	SPACE	48	1	-	----	SPACE
49	1	-	----	SPACE	50	1	-	----	SPACE
51	1	-	----	SPACE	52	1	-	----	SPACE
53	1	-	----	SPACE	54	1	-	----	SPACE
55	1	-	----	SPACE	56	1	-	----	SPACE
57	1	-	----	SPACE	58	1	-	----	SPACE
59	1	-	----	SPACE	60	1	-	----	SPACE

TOTAL CONNECTED LOAD: 67.5 KVA  
1. LTG RMS P100,P103A,P103B,P104,P105,P106 AND EXIT.  
\* DENOTES CIRCUIT CONTROLLED BY EXTERIOR LIGHTING CONTROLS.

PANEL "TL1E1" 120/208 VOLT, 3 PHASE, 4 WIRE, 300 AMP MAIN BREAKER, SURFACE MOUNTED. (2-SECTION) ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS SYMMETRICAL AMPERES.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	1.26	REC RM P108,P112	2	1	20	0.90	REC RM P111,P112,P115A
3	1	20	1.08	REC RM P108	4	1	20	0.72	REC RM P111
5	1	20	1.08	REC RM P112,P113	6	1	20	0.90	REC RM P111, P116
7	1	20	0.72	REC RM P100	8	1	20	1.0	REFRIG (4) RM P109
9	1	20	0.90	REC RM P100	10	1	20	0.54	REC RM P109
11	1	20	----	SPARE	12	1	20	1.56	COPY MACHINE (3) RM P109
13	1	20	----	SPARE	14	1	20	1.68	COPY MACHINE (8) RM P109
15	1	20	0.90	REC RM P102,P104	16	1	20	0.36	REC RM P109
17	1	20	0.90	REC RM P105,P106	18	1	20	0.96	COLLATING MACHINE (6) RM P109
19	1	20	0.51	REC RM P105	20	1	20	0.96	COLLATING MACHINE (6) RM P109
21	1	20	0.36	REC MAIN TEL BOARD	22	1	20	0.96	COLLATING MACHINE (6) RM P109
23	1	20	0.36	REC MAIN TEL BOARD	24	1	20	0.96	COLLATING MACHINE (6) RM P109
25	1	20	1.08	REC RM P103,P103A,P103B	26	1	20	0.96	COLLATING MACHINE (6) RM P109
27	1	20	0.72	REC RM P103	28	1	20	0.96	COLLATING MACHINE (6) RM P109
29	1	20	0.82	EXHAUST FAN EF-T10	30	1	20	0.40	EXTERIOR LIGHTING CONTACTORS
31	1	20	----	SPARE	32	1	20	0.40	HVAC NETWORK CONTROL UNIT
33	1	20	----	SPARE	34	2	20	2.50	COPY MACHINE (2) RM P109
35	1	30	1.92	OFFSET PRESS (1) RM P109	36	-	-	----	----
37	1	30	1.92	OFFSET PRESS (1) RM P109	38	-	-	----	----
39	2	30	3.74	3 HOLE DRILL (5) RM P109	40	3	30	5.76	PAPER CUTTER (7) RM P109
41	-	-	----	----	42	-	-	----	----
43	1	20	0.90	REC. P102,P107	44	2	40	6.00	WATER HEATER WH-T-8
45	1	20	0.90	REC. P107	46	-	-	----	----
47	1	20	0.72	REC. P102,P107	48	1	20	----	SPARE
49	1	-	----	SPACE	50	1	-	----	SPACE
51	1	-	----	SPACE	50	1	-	----	SPACE
53	1	-	----	SPACE	54	1	-	----	SPACE
55	1	-	----	SPACE	56	1	-	----	SPACE
57	1	-	----	SPACE	58	1	-	----	SPACE
59	1	-	----	SPACE	60	1	-	----	SPACE

TOTAL CONNECTED LOAD: 49.27 KVA

PANEL "TLFA" 120/240 VOLT, 1 PHASE, 3 WIRE, 30 AMP MAIN BREAKER, SURFACE MOUNTED. ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS SYMMETRICAL AMPERES. FIELD PAINT PANEL RED.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	0.60	FIRE ALARM TRANSMITTER	2	1	20	1.44	INTERCOM EQUIPMENT
3	1	20	1.20	FIRE ALARM CONTROL PANEL	4	1	20	0.60	DOOR ALARM PANEL
5	1	-	----	SPACE	6	1	-	----	SPACE
7	1	-	----	SPACE	8	1	-	----	SPACE

TOTAL CONNECTED LOAD: 3.84 KVA

PANEL INDEX	
TH1E1	TL1E1
	TLFA

DESIGNED BY VOA ASSOCIATES, INC. 1000 S. GILBERT AVE. SUITE 100 TAMPA, FL 33604-1400	DATE 21 MAY 1996
PREP BY K. BEAVERS	DATE 7/26/96
REV. DESCRIPTION GENERAL REVISIONS	APPROV E. L. MELETS
NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C.	NAVAL WEAPONS STATION NNPTC TRAINING COMPLEX PANEL SCHEDULES
DATE 5-21-96	BY JMT/TJF
APPROVED KENNETH F. BEAVERS REGISTERED ENGINEER No. 31965 FLA. REG. NO. 00001	
RECORD DRAWING DATE	
CODE LD NO.	00001
DRAWING SIZE	D
SPEC. NO.	06-95-0748
CONSTR. CONTR. NO.	N62467-95-C-0748
NAVFAC DRAWING NO.	5321377
SHEET	488 OF
TRAINING FACILITY	
TE613	



PANEL "TH1FDP1" 277/480 VOLT, 3 PHASE, 4 WIRE, 800 AMP MAIN BREAKER, SURFACE MOUNTED. ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 25,000 RMS SYMMETRICAL AMPERES.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	3	300	201.5	PANEL "TH3F1"	2	3	250	133.04	TRANSFORMER "T-T1FDP"
3	3	125	56.02	PANEL "TH1F1"	4	3	225	175.25	PANEL "TH2F1"
5	3	---	---	SPACE	6	3	---	---	SPACE
7	3	---	---	SPACE	8	3	---	---	SPACE

TOTAL CONNECTED LOAD: 565.81 KVA

PANEL "TH1F1" 277/480 VOLT, 3 PHASE, 4 WIRE, 125 AMP MAIN LUGS ONLY, SURFACE MOUNTED. ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 25,000 RMS SYMMETRICAL AMPERES.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	1.75	FTU 11/10	2	1	20	1.78	FTU 11/13 AND VAV 11/10
3	1	20	0.91	FTU 11/45	4	1	20	3.03	FTU 11/11
5	1	20	2.53	FTU 11/8	6	1	20	3.03	FTU 11/9
7	1	20	3.53	FTU 15/2	8	1	20	3.03	FTU 15/6
9	1	20	3.53	FTU 15/1	10	1	20	3.03	FTU 15/4
11	1	20	0.66	FTU 11/14 AND VAV 11/3	12	1	20	2.78	FTU 15/5 AND VAV 15/1
13	1	20	3.03	FTU 15/3	14	1	20	4.03	FTU 15/7
15	1	20	---	SPARE	16	1	20	---	SPARE
17	1	20	---	SPARE	18	1	20	---	SPARE
19	1	20	---	SPARE	20	1	20	3.13	NOTE 1
21	1	20	1.92	LTG RMS P126,P128	22	1	20	3.19	LTG RM P116,P117,P121
23	1	20	3.12	LTG RMS P129,P131	24	1	20	0.77	LTG STAIR NO. 6
25	1	20	4.32	LTG RMS P130,P132,P135	26	1	20	0.77	LTG STAIR NO. 7
27	1	20	2.15	LTG RMS P115,P133A,P143	28	1	20	---	SPARE
29	1	20	---	SPARE	30	1	20	---	SPARE
31	1	---	---	SPACE	32	1	---	---	SPACE
33	1	---	---	SPACE	34	1	---	---	SPACE
35	1	---	---	SPACE	36	1	---	---	SPACE
37	1	---	---	SPACE	38	1	---	---	SPACE
39	1	---	---	SPACE	40	1	---	---	SPACE
41	1	---	---	SPACE	42	1	---	---	SPACE

TOTAL CONNECTED LOAD: 56.02 KVA  
1. LTG RM P113,P140A,P115,P118,P119,P119A,P120,P121,P122,P123

PANEL "TL1FDP" 120/208 VOLT, 3 PHASE, 4 WIRE, 600 AMP MAIN BREAKER, SURFACE MOUNTED. ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS SYMMETRICAL AMPERES.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	3	150	40.28	PANEL "TL3F1"	2	3	225	60.7	PANEL "TL2F1"
3	3	125	32.08	PANEL "TL1F1"	4	3	---	---	SPACE
5	3	---	---	SPACE	6	3	---	---	SPACE
7	3	---	---	SPACE	8	3	---	---	SPACE

TOTAL CONNECTED LOAD: 133.04 KVA

PANEL "TL1F1" 120/208 VOLT, 3 PHASE, 4 WIRE, 125 AMP MAIN LUGS ONLY, SURFACE MOUNTED. ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS SYMMETRICAL AMPERES.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	1.08	REC RMS P126,P128	2	1	20	1.26	REC RMS P132,P128,P135,P130
3	1	20	0.90	REC RMS P128,P130	4	1	20	1.08	REC RMS P132,P135
5	1	20	1.08	REC RMS P130,P132	6	1	20	1.08	REC RMS P135
7	1	20	1.08	REC RMS P129,P127	8	1	20	1.30	REC RMS P123,P127,P129,P131,P133A
9	1	20	1.08	REC RMS P131,P129	10	1	20	1.08	REC RMS P126
11	1	20	1.08	REC RMS P131,P133A	12	1	20	1.08	REC RMS P126,P128,P129,P131,P133A
13	1	20	1.26	REC RMS P112,P113,P114,P115,P115A	14	1	20	1.08	REC RMS P115,P116,P117
15	1	20	0.90	REC RMS P113,P114,P115	16	1	20	0.90	REC RMS P117
17	1	20	1.26	REC RMS P113,P115	18	1	20	1.08	REC RMS P116
19	1	20	1.26	REC RMS P115, P118,P119	20	1	20	0.90	REC RM P122
21	1	20	1.26	REC RMS P115,P118	22	1	20	0.50	EWV P122
23	1	20	0.60	VENDING P122	24	1	20	0.60	VENDING P122
25	1	20	0.60	VENDING P122	26	1	20	0.60	VENDING P122
27	1	20	0.36	REC TEL BD "T1E" (VOICE)	28	1	20	0.18	REC RM P120
29	1	20	0.36	REC TEL BD "T1E" (DATA)	30	1	20	0.40	CLOCK POWER "T1FW"
31	1	20	---	SPARE	32	1	20	0.30	FUTURE CARO READER
33	1	20	---	SPARE	34	1	20	---	SPARE
35	1	---	---	SPACE	36	1	---	---	SPACE
37	1	---	---	SPACE	38	1	---	---	SPACE
39	1	---	---	SPACE	40	2	30	4.50	WATER HEATER WH-T-9 RM P124
41	1	---	---	SPACE	42	-	---	---	---

TOTAL CONNECTED LOAD: 32.08 KVA

PANEL "TH2F1" 277/480 VOLT, 3 PHASE, 4 WIRE, 225 AMP MAIN LUGS ONLY, SURFACE MOUNTED. (2-SECTION) ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 18,000 RMS SYMMETRICAL AMPERES.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	1.75	FTU 11/46	2	1	20	3.06	FTU 11/2 AND VAV 11/4
3	1	20	1.75	FTU 11/17	4	1	20	2.75	FTU 11/19
5	1	20	1.75	FTU 11/12	6	1	20	3.03	FTU 11/18
7	1	20	0.63	FTU 11/26	8	1	20	3.53	FTU 11/27
9	1	20	1.75	FTU 11/24	10	1	20	3.53	FTU 11/25
11	1	20	1.75	FTU 11/23	12	1	20	2.19	FTU 11/30, VAV 11/5 AND 11/6
13	1	20	2.25	FTU 15/9	14	1	20	0.63	FTU 11/29
15	1	20	3.53	FTU 15/2	16	1	20	2.25	FTU 11/28
17	1	20	4.03	FTU 15/10	18	1	30	5.03	FTU 11/16
19	1	20	4.03	FTU 15/16	20	1	20	4.03	FTU 15/14
21	1	20	4.03	FTU 11/21	22	1	20	---	SPARE
23	1	20	3.19	LTG RMS P215,P217,P218A	24	1	20	3.58	NOTE 1
25	1	20	3.44	LTG RMS P200,P211	26	1	20	3.48	LTG RMS P226,P228,P230
27	1	20	3.34	LTG RMS P202,P203,P204A,P206-P209	28	1	20	2.76	LTG RMS P232,P235
29	1	20	2.22	LTG RMS P203A,P222,P241A	30	1	20	0.42	ATTIC LIGHTING & VAV 15/3
31	1	20	3.02	LTG RMS P229,P231	32	1	20	3.50	UH-T2 RM P337
33	1	20	0.80	LTG RM P209	34	1	20	3.50	SPARE
35	1	20	---	SPARE	36	1	20	---	SPARE
37	1	20	---	SPARE	38	1	---	---	SPACE
39	1	---	---	SPACE	40	1	---	---	SPACE
41	1	---	---	SPACE	42	1	---	---	SPACE
43	1	30	5.53	FTU 15/12	44	1	20	---	SPARE
45	1	30	4.53	FTU 15/11	46	1	20	---	SPARE
47	1	30	4.53	FTU 15/13	48	1	20	---	SPARE
49	1	---	---	SPACE	50	1	---	---	SPACE
51	1	---	---	SPACE	52	1	---	---	SPACE
53	1	---	---	SPACE	54	1	---	---	SPACE
55	1	---	---	SPACE	56	1	---	---	SPACE
57	1	---	---	SPACE	58	1	---	---	SPACE
59	1	---	---	SPACE	60	1	---	---	SPACE
61	1	---	---	SPACE	62	-	---	---	---
63	1	---	---	SPACE	64	3	20	6.0	FTU 11/20
65	1	---	---	SPACE	66	-	---	---	---
67	-	---	---	---	68	-	---	---	---
69	3	20	7.05	FTU 11/15	70	3	40	29.0	EDH-T8
71	-	---	---	---	72	-	---	---	---
73	-	---	---	---	74	-	---	---	---
75	3	20	1.16	HW-T8	76	3	20	3.99	EF-T8
77	-	---	---	---	78	-	---	---	---
79	-	---	---	---	80	-	---	---	---
81	3	50	22.44	AHU-T15	82	3	20	3.99	AHU-T16
83	-	---	---	---	84	-	---	---	---

TOTAL CONNECTED LOAD: 175.25 KVA  
1. LTG RMS P203,P204,P212,P213,P216,P218,P219,P220,P221,P221A,P223,P224

PANEL INDEX	
TH1FDP1	TL1F1
TH1F1	TH2F1
TL1FDP	

VOA ASSOCIATES, INC. ARCHITECTURE & PLANNING 100 NORTH BAYVIEW AVENUE, SUITE 1000, OAKLAND, CA 94612-1000 PHONE: (415) 778-1000 FAX: (415) 778-1001		REV. DESCRIPTION PREP BY: K. BEANERS DATE: 7/26/96 APPROV: E. L. MELETIS	
REV. DESCRIPTION GENERAL REVISIONS		DATE: 5-21-96 APPROVED: E. L. MELETIS	
NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION CHARLESTON, S.C.		CHARLESTON, S.C. NNPTC TRAINING COMPLEX PANEL SCHEDULES	
DEPARTMENT OF THE NAVY NAVAL WEAPONS STATION		SEAL AREA CERTIFICATE OF AUTHORITY NO. 3105 DATE 7/26/96 REGISTERED ENGINEER	
RECORD DRAWING DATE: 7/26/96 CODE LD NO. 80091 DRAWING SIZE: D SPEC. NO. 06-95-0748 CONSTR. CONTR. NO. N62467-95-C-0748 NAVFAC DRAWING NO. 5321378 SHEET 489 OF 489		TRAINING FACILITY <b>TE614</b>	

PANEL "TL2F1" 120/208 VOLT, 3 PHASE, 4 WIRE, 225 AMP MAIN LUGS ONLY, SURFACE MOUNTED. (2-SECTION) ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS SYMMETRICAL AMPERES.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	1.08	REC RMS P203,P206	2	1	20	1.08	REC RMS P200,P202
3	1	20	0.72	REC RMS P206,P207	4	1	20	1.26	REC RMS P200
5	1	20	1.26	REC RMS P205,P206,P207	6	1	20	1.26	REC RMS P202,P203
7	1	20	0.72	REC RMS P212	8	1	20	1.08	REC RMS P203A,P213,P214
9	1	20	1.08	REC RMS P202,P203	10	1	20	1.26	REC RMS P212,P213
11	1	20	1.26	REC RMS P204	12	1	20	1.08	REC RMS P212,P213,P214
13	1	20	0.90	REC RM P215	14	1	20	1.08	REC RMS P230,P232,P235
15	1	20	1.26	REC RMS P03A,P211,P215	16	1	20	0.90	REC RMS P230,P232
17	1	20	0.90	REC RMS P211	18	1	20	1.08	REC RMS P235
19	1	20	1.26	REC RMS P228,P226	20	1	20	1.26	REC RMS P229,P227
21	1	20	1.26	REC RMS P228,P230	22	1	20	1.26	REC RMS P231,P229
23	1	20	0.90	REC RMS P230,P232	24	1	20	1.08	REC RMS P222,P231
25	1	20	1.08	REC RMS P226	26	1	20	1.08	REC RMS P217,P218
27	1	20	1.12	REC RMS P222,P227,P224 & LIGHTING	28	1	20	0.90	REC RMS P217
29	1	20	1.26	REC RMS P216,P221,P218	30	1	20	0.90	MICROWAVE P223
31	1	20	1.08	REC RMS P214,P216	32	1	20	0.50	EWG P223
33	1	20	0.60	VENDING P223	34	1	20	0.60	VENDING P223
35	1	20	0.60	VENDING P223	36	1	20	0.60	VENDING P223
37	1	20	0.36	REC RM P337	38	1	20	0.18	REC RM P220
39	1	20	0.60	AHU LIGHTING & EMCS RM P337	40	1	20	0.80	HVAC NETWORK CONTROL UNIT
41	1	20	0.70	EXH FAN EF-T-13	42	1	20	0.18	CLOCK POWER "T2FW"
43	1	20	----	SPARE	44	1	20	1.0	REFRIGERATOR RM P208
45	1	20	----	SPARE	46	1	20	1.0	COFFEE MAKER RM P208
47	1	20	----	SPARE	48	1	20	1.08	REC RMS P207,P208
49	-	---	----	----	50	1	20	0.36	REC TEL BD "T2E" (VOICE)
51	3	50	10.08	SHREDDER RM P208	52	1	20	0.36	REC TEL BD "T2E" (DATA)
53	-	---	----	----	54	1	---	----	SPACE
55	-	---	----	----	56	1	---	----	SPACE
57	3	40	7.38	PANEL "TL2F3"	58	1	---	----	SPACE
59	-	---	----	----	60	1	---	----	SPACE

TOTAL CONNECTED LOAD: 60.68 KVA

PANEL "TL2F3" 120/208 VOLT, 3 PHASE, 4 WIRE, 40 AMP MAIN BREAKER WITH 120 V. UNDERVOLTAGE RELEASE COIL, SURFACE MOUNTED. ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS SYMMETRICAL AMPERES. PANEL U.L. LISTED SUITABLE FOR NON-LINEAR LOADS.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	0.72	RECEPTACLES WEST	2	1	20	0.72	RECEPTACLES EAST
3	1	20	0.72	RECEPTACLES WEST	4	1	20	0.54	RECEPTACLES EAST
5	1	20	0.54	RECEPTACLES WEST	6	1	20	0.54	RECEPTACLES EAST
7	1	20	0.54	FLOOR RECEPTACLES WEST	8	1	20	0.54	FLOOR RECEPTACLES EAST
9	1	20	0.72	RECEPTACLES SOUTH	10	1	20	0.72	RECEPTACLES NORTH
11	1	20	0.54	RECEPTACLES SOUTH	12	1	20	----	SPARE
13	1	20	0.54	RECEPTACLES SOUTH	14	1	---	----	SPACE
15	1	20	----	SPARE	16	1	---	----	SPACE

TOTAL CONNECTED LOAD: 7.38 KVA

PANEL "TH3F1" 277/480 VOLT, 3 PHASE, 4 WIRE, 400 AMP MAIN LUGS ONLY, SURFACE MOUNTED. (2-SECTION) ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 18,000 RMS SYMMETRICAL AMPERES.									
CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	2.53	FTU 11/36	2	1	20	2.53	FTU 11/34
3	1	20	3.03	FTU 11/35	4	1	20	2.53	FTU 11/33
5	1	20	3.53	FTU 11/31	6	1	20	2.53	FTU 11/32
7	1	20	2.53	FTU 11/39	8	1	20	1.64	FTU 11/41
9	1	20	2.53	FTU 11/38	10	1	20	0.63	FTU 11/44
11	1	20	1.75	FTU 11/37	12	1	20	3.03	FTU 11/40
13	1	20	1.14	FTU 11/42	14	1	20	2.66	FTU 13/37 AND VAV 11/7
15	1	20	1.75	FTU 11/43	16	1	20	1.25	FTU 13/38
17	1	20	1.69	FTU 11/44, VAV 11/8 AND 11/9	18	1	20	3.03	FTU 13/36
19	1	20	2.03	FTU 13/33	20	1	20	----	SPARE
21	1	20	3.03	FTU 13/32	22	1	20	----	SPARE
23	1	20	----	SPARE	24	1	20	----	SPARE
25	1	20	----	SPARE	26	1	20	3.32	LTC RMS P307,P313,P328,P328A
27	1	20	----	SPARE	28	1	20	2.80	LTC RMS P321,P322,P324,P326
29	1	20	4.13	NOTE 1	30	1	20	3.46	LTC RMS P305,P307,P309,P311
31	1	20	3.50	LTC RMS P306,P308,P310,P312,P314A	32	1	20	0.84	ATTIC LIGHTING
33	1	20	3.98	LTC RMS P300,P301,P302,P303	34	1	20	3.50	UH-T2 RM P401
35	1	---	----	SPACE	36	1	---	----	SPACE
37	1	---	----	SPACE	38	1	---	----	SPACE
39	1	---	----	SPACE	40	1	---	----	SPACE
41	1	---	----	SPACE	42	1	---	----	SPACE
43	1	---	----	SPACE	44	-	---	----	----
45	1	---	----	SPACE	46	3	20	9.14	AHU-T12
47	1	---	----	SPACE	48	-	---	----	----
49	-	---	----	----	50	-	---	----	----
51	3	20	1.16	HW-T6	52	3	20	6.32	EF-T6
53	-	---	----	----	54	-	---	----	----
55	-	---	----	----	56	-	---	----	----
57	3	125	54.0	AHU-T11	58	3	100	60.0	EDH-T6
59	-	---	----	----	60	-	---	----	----

TOTAL CONNECTED LOAD: 201.52 KVA  
1. LTC RMS P316,P317,P318,P319,P320,P119A,P320A,P323,P325

PANEL INDEX	
TL2F1	TH3F1
TL2F3	

REV. DESCRIPTION	PREP BY DATE APPROV	VOA ASSOCIATES, INC. ARCHITECTURE & PLANNING INTERIORS 300 NORTH DUNE DRIVE SUITE 100 CHARLOTTE, NC 28204
A GENERAL REVISIONS	K. BEAVERS 7/26/96	PHILLIPS THOMPSON MORLEY PARTNER 21 MAY 1996
SOUTHERN DIVISION CHARLOTTE, NC	S STATION JPTC TRAINING COMPLEX PANEL SCHEDULES	E. L. MELENS
DATE 5-21-96	FOR COMMANDER, NAVFAC	

CODE LD NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06-95-0748
CONSTR. CONTR. NO.	N62467-95-C-0748
NAVFAC DRAWING NO.	5321379
SHEET 490 OF	



PANEL "TL3F1" 120/208 VOLT, 3 PHASE, 4 WIRE, 225 AMP MAIN LUGS ONLY, SURFACE MOUNTED.  
(2-SECTION) ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS SYMMETRICAL AMPERES.

CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	0.90	REC RMS P302,P304,P307A	2	1	20	1.26	REC RMS P306,P308
3	1	20	0.90	REC RMS P301,P302	4	1	20	1.08	REC RMS P304,P306
5	1	20	1.08	REC RM P300	6	1	20	1.08	REC RMS P302,P304
7	1	20	0.90	REC RMS P305,P307,P309,P307A	8	1	20	1.26	REC RMS P308,P310,P314
9	1	20	1.26	REC RMS P305,P307,P309	10	1	20	1.26	REC RMS P308,P310,P314
11	1	20	1.26	REC RMS P305	12	1	20	1.26	REC RMS P308,P310
13	1	20	1.26	REC RMS P307A,P313,P309,P311	14	1	20	1.26	REC RM P313
15	1	20	1.26	REC RMS P309,P311	16	1	20	1.08	REC RMS P311,P313
17	1	20	1.26	REC RMS P307,P309	18	1	20	1.08	REC RMS P324,P326
19	1	20	1.26	REC RMS P322,P324	20	1	20	1.08	REC RMS P321,P322,P324,P326
21	1	20	1.26	REC RMS P321,P322,P328B	22	1	20	1.26	REC RMS P312,P314,P314A
23	1	20	1.12	REC RMS P319,P323 AND LIGHTING	24	1	20	1.08	REC RMS P312,P314A,P320
25	1	20	1.08	REC RMS P323,P325	26	1	20	0.90	MICROWAVE P318
27	1	20	1.08	REC RMS P323,P325,P328	28	1	20	0.50	EWV P318
29	1	20	0.60	VENDING P318	30	1	20	0.60	VENDING P318
31	1	20	0.60	VENDING P318	32	1	20	0.60	VENDING P318
33	1	20	0.36	REC RM P401	34	1	20	0.36	REC TEL BD "T3E" (VOICE)
35	1	20	0.60	AHU LIGHTING AND EMCS RM P401	36	1	20	0.36	REC TEL BD "T3E" (DATA)
37	1	20	----	SPARE	38	1	20	0.18	REC RM P317
39	1	20	----	SPARE	40	1	20	0.18	CLOCK POWER "T3FW"
41	1	20	----	SPARE	42	1	20	----	SPARE
43	1	20	----	SPARE	44	1	20	----	SPARE
45	1	----	----	SPACE	46	1	----	----	SPACE
47	1	----	----	SPACE	48	1	----	----	SPACE
49	1	----	----	SPACE	50	1	----	----	SPACE
51	1	----	----	SPACE	52	1	----	----	SPACE
53	1	----	----	SPACE	54	1	----	----	SPACE
55	1	----	----	SPACE	56	1	----	----	SPACE
57	1	----	----	SPACE	58	2	30	4.50	WATER HEATER WH-T-11 RM P301
59	1	----	----	SPACE	60	----	----	----	----

TOTAL CONNECTED LOAD: 40.26 KVA

PANEL "TH1FDP2" 277/480 VOLT, 3 PHASE, 4 WIRE, 800 AMP MAIN BREAKER, SURFACE MOUNTED.  
ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 18,000 RMS SYMMETRICAL AMPERES.

CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	3	225	134.7	PANEL "TH3F2"	2	3	225	173.2	PANEL "TH2F2"
3	3	125	74.91	TRANSFORMER "T-T1F2"	4	3	150	85.54	PANEL "TH1F2"
5	3	70	33.11	TRANSFORMER "T-T1G1"	6	3	----	----	SPACE
7	3	----	----	SPACE	8	3	----	----	SPACE
9	3	----	----	SPACE	10	3	----	----	SPACE

TOTAL CONNECTED LOAD: 501.46 KVA

PANEL "TH1F2" 277/480 VOLT, 3 PHASE, 4 WIRE, 225 AMP MAIN LUGS ONLY, SURFACE MOUNTED.  
(2-SECTION) ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 18,000 RMS SYMMETRICAL AMPERES.

CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	1.25	FTU 13/7	2	1	20	3.03	FTU 13/9
3	1	20	1.75	FTU 13/6	4	1	20	1.75	FTU 13/5
5	1	20	1.78	FTU 13/3 AND VAV 13/1	6	1	20	0.63	FTU 13/4
7	1	20	3.03	FTU 13/10	8	1	20	3.56	FTU 13/12 AND VAV 13/2
9	1	20	1.25	FTU 13/8	10	1	20	1.75	FTU 13/3
11	1	20	1.78	FTU 17/10 AND VAV 17/5	12	1	20	3.03	FTU 17/12
13	1	20	3.03	FTU 17/11	14	1	20	1.28	FTU 17/6 AND VAV 17/1
15	1	20	3.03	FTU 17/7	16	1	20	3.03	FTU 17/4
17	1	20	1.75	FTU 17/5	18	1	20	3.53	FTU 13/2 AND VAV 13/3
19	1	20	3.03	FTU 17/3	20	1	20	2.03	FTU 15/8
21	1	20	3.53	FTU 17/1	22	1	20	1.14	FTU 13/1
23	1	20	----	SPARE	24	1	20	4.02	FTU 13/11
25	1	20	----	SPARE	26	1	20	4.02	FTU 17/2
27	1	20	----	SPARE	28	1	20	----	SPARE
29	1	20	0.93	LTG RM P164A	30	1	20	----	SPARE
31	1	20	4.16	LTG RMS P150,P152,P158,P159,P160	32	1	20	4.26	LTG RMS P127,P140,P141,P142,P143A
33	1	20	3.66	LTG RMS P156,P157,P162,P164,P166	34	1	20	3.62	NOTE 1
35	1	20	3.12	LTG RMS P153,P155	36	1	20	0.77	LTG STAIR NO. 8
37	1	20	3.12	LTG RMS P166,P167	38	1	20	0.77	LTG STAIR NO. 9
39	1	20	3.12	LTG RMS P161,P163,P167	40	1	20	----	SPARE
41	1	20	----	SPARE	42	1	20	----	SPARE
43	1	----	----	SPACE	44	1	----	----	SPACE
45	1	----	----	SPACE	46	1	----	----	SPACE
47	1	----	----	SPACE	48	1	----	----	SPACE
49	1	----	----	SPACE	50	1	----	----	SPACE
51	1	----	----	SPACE	52	1	----	----	SPACE
53	1	----	----	SPACE	54	1	----	----	SPACE
55	1	----	----	SPACE	56	1	----	----	SPACE
57	1	----	----	SPACE	58	1	----	----	SPACE
59	1	----	----	SPACE	60	1	----	----	SPACE

TOTAL CONNECTED LOAD: 85.54 KVA

1. LTG RMS D118,D118A,P136,P137,P138,P139,P144,P145

PANEL "TL1F2" 120/208 VOLT, 3 PHASE, 4 WIRE, 300 AMP MAIN BREAKER, SURFACE MOUNTED.  
ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS SYMMETRICAL AMPERES.

CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	----	----	----	----	2	----	----	----	----
3	3	100	17.52	PANEL "TL3F2"	4	3	125	32.01	PANEL "TL2F2"
5	----	----	----	----	6	----	----	----	----
7	1	20	1.26	REC RMS P144,P145	8	1	20	0.90	REC RMS P142,P143
9	1	20	0.90	REC RMS P138,P139,P144	10	1	20	1.08	REC RMS P141,P142
11	1	20	1.08	REC RMS D118,P137,P138	12	1	20	0.90	REC RMS P127,P140,P141
13	1	20	0.90	REC RMS P151,P153	14	1	20	0.90	REC RMS P150,P164A
15	1	20	1.08	REC RMS P151,P153	16	1	20	0.90	REC RMS P149,P151
17	1	20	1.08	REC RMS P153,P155	18	1	20	1.26	REC RM P149
19	1	20	1.08	REC RMS P142,P150	20	1	20	0.90	REC RMS 143,P145
21	1	20	1.08	REC RMS P150,P152	22	1	20	0.90	REC RMS 139,P144,P145
23	1	20	1.08	REC RMS P152,P164A	24	1	20	1.08	REC RMS P138,P139
25	1	20	1.08	REC RMS P136,P137	26	1	20	1.26	REC RMS P137,P138
27	1	20	1.08	REC RMS P133A,P136,P143	28	1	20	1.08	REC RMS P139,P144
29	1	20	1.26	REC RMS D118,D118A,P136	30	1	20	0.36	REC TEL BD "T1F" (VOICE)
31	1	20	----	SPARE	32	1	20	0.36	REC TEL BD "T1F" (DATA)
33	1	20	----	SPARE	34	1	20	0.18	CLOCK POWER "T1FE"
35	1	20	----	SPARE	36	1	20	0.36	REC P146,P147
37	1	20	----	SPARE	38	1	20	----	SPARE
39	1	----	----	SPACE	40	1	----	----	SPACE
41	1	----	----	SPACE	42	1	----	----	SPACE

TOTAL CONNECTED LOAD: 74.91 KVA

PANEL INDEX	
TL3F1	TH1F2
TH1FDP2	TL1F2

TRAINING FACILITY

REV. DESCRIPTION	PREP BY DATE APPROVD	VOA ASSOCIATES, INC. ARCHITECTURE & PLANNING INTERIORS 100 SOUTH BRIDGE STREET SUITE 200 DORCHESTER, MA 01918
GENERAL REVISIONS	K. BEAVERS 7/26/96	PHILIP S. THOMPSON PARTNER 21 MAY 1996
NAVAL FACILITIES ENGINEERING COMMAND	CHARLESTON, S.C.	NAVY
SOUTHERN DIVISION	CHARLESTON, S.C.	NAVY
NAVAL WEAPONS STATION	NNPTC TRAINING COMPLEX	NAVY
PANEL SCHEDULES	DATE 5-21-96	NAVY
APPROVED	OFFICIAL	NAVY
SEAL AREA	NAVY	NAVY
RECORD DRAWING DATE	NAVY	NAVY
CODE LD NO.	NAVY	NAVY
DRAWING SIZE	NAVY	NAVY
SPEC. NO.	NAVY	NAVY
CONSTR. CONTR. NO.	NAVY	NAVY
NAVAC DRAWING NO.	NAVY	NAVY
SHEET 491 OF	NAVY	NAVY

PANEL "TH2F2" 277/480 VOLT, 3 PHASE, 4 WIRE, 225 AMP MAIN LUGS ONLY, SURFACE MOUNTED.  
(2-SECTION)  
ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 18,000 RMS  
SYMMETRICAL AMPERES.

CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	2.16	FTU 17/8 AND VAV 17/4	2	1	20	2.06	FTU 13/14 AND VAV 13/5
3	1	20	1.75	FTU 17/15	4	1	20	2.53	FTU 13/22
5	1	20	3.81	FTU 17/20, VAV 17/2 AND 17/3	6	1	20	3.28	FTU 13/15 AND VAV 13/4
7	1	20	1.75	FTU 13/7	8	1	20	0.63	FTU 13/21
9	1	20	4.03	FTU 13/18	10	1	20	0.63	FTU 13/24
11	1	20	2.25	FTU 13/23	12	1	20	2.03	FTU 15/15
13	1	20	1.14	FTU 13/25	14	1	20	2.75	FTU 13/19
15	1	20	1.14	FTU 13/26	16	1	20	4.03	FTU 13/20
17	1	30	4.53	FTU 17/16	18	1	30	4.53	FTU 17/19
19	1	30	4.53	FTU 17/14	20	1	20	4.20	NOTE 3
21	1	30	5.30	FTU 17/18	22	1	20	0.85	LTG RMS P264A, P264B
23	1	20	4.11	NOTE 1	24	1	20	3.60	LTG RMS P257,P256,P262,P264,P266
25	1	20	1.92	LTG RMS P244,P245	26	1	20	3.12	LTG RM P249,P251
27	1	20	3.88	NOTE 2	28	1	20	1.56	LTG RM P253,P255
29	1	20	0.48	ATTIC LIGHTING & VAV 17/3	30	1	20	3.12	LTG RM P261,P263,P267
31	1	20	3.50	UH-T2 RM P338	32	1	20	----	SPARE
33	1	20	----	SPARE	34	1	20	----	SPARE
35	1	20	----	SPARE	36	1	20	----	SPARE
37	1	----	----	SPACE	38	1	20	----	SPACE
39	1	----	----	SPACE	40	1	20	----	SPACE
41	1	----	----	SPACE	42	1	20	----	SPACE
43	1	20	----	SPARE	44	1	30	5.53	FTU 17/17
45	1	20	----	SPARE	46	1	30	4.53	FTU 17/13
47	1	20	----	SPARE	48	1	20	4.03	FTU 17/9
49	1	----	----	SPACE	50	1	----	----	SPACE
51	1	----	----	SPACE	52	1	----	----	SPACE
53	1	----	----	SPACE	54	1	----	----	SPACE
55	1	----	----	SPACE	56	1	----	----	SPACE
57	1	----	----	SPACE	58	1	----	----	SPACE
59	1	----	----	SPACE	60	1	----	----	SPACE
61	1	----	----	SPACE	62	-	----	----	----
63	1	----	----	SPACE	64	3	20	7.0	FTU 13/16
65	1	----	----	SPACE	66	-	----	----	----
67	1	----	----	SPACE	68	-	----	----	----
69	1	----	----	SPACE	70	3	50	33.0	EOH-T9
71	1	----	----	SPACE	72	-	----	----	----
73	-	----	----	----	74	-	----	----	----
75	3	20	1.16	HW-T9	76	3	20	3.99	EF-T9
77	-	----	----	----	78	-	----	----	----
79	-	----	----	----	80	-	----	----	----
81	3	50	22.44	AHU-T17	82	3	20	6.3	AHU-T18
83	-	----	----	----	84	-	----	----	----

TOTAL CONNECTED LOAD: 173.2 KVA  
1. LTG RMS P237,P227,P239,P242,P247A,P247,P246  
2. LTG RMS P240,P234,P236,P238,P243,P241  
3. LTG RMS P250,P252,P258,P253A,P254A,P259,P260

PANEL "TL2F2" 120/208 VOLT, 3 PHASE, 4 WIRE, 125 AMP MAIN LUGS ONLY, SURFACE MOUNTED.  
ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS  
SYMMETRICAL AMPERES.

CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	1.08	REC RMS P250,P252	2	1	20	1.08	REC RMS P249,P251
3	1	20	1.13	REC RMS P252,P264A AND LIGHTING	4	1	20	1.08	REC RM P249
5	1	20	1.08	REC RMS P251,P253	6	1	20	0.72	REC RMS P251,P253
7	1	20	1.26	REC RMS P233,P234,P236,P238,P241A	8	1	20	1.08	REC RMS P243,P244
9	1	20	1.08	REC RMS P236,P238	10	1	20	1.08	REC RMS P236,P238,P243
11	1	20	1.08	REC RMS P234,P236	12	1	20	1.08	REC RMS P234,P236
13	1	20	1.08	REC RMS P241,P243,P244	14	1	20	1.26	REC RMS P240,P241
15	1	20	1.08	REC RMS P241A,P245	16	1	20	1.08	REC RMS P238,P243
17	1	20	1.08	REC RMS P244,P245	18	1	20	1.08	REC RMS P242,P250
19	1	20	0.90	REC RMS P239,P242	20	1	20	0.72	REC RMS P250,P264A
21	1	20	0.90	REC RMS P227,P239	22	1	20	1.08	REC RMS P227,P239,P242
23	1	20	1.44	COPY MACHINE RM P237	24	1	20	0.36	REC RM 338
25	1	20	0.54	REC RM P237	26	1	20	0.60	AHU LIGHTING AND EMCS RM P338
27	1	20	----	SPARE	28	1	20	0.36	REC TEL BD "T2F" (VOICE)
29	1	20	----	SPARE	30	1	20	0.36	REC TEL BD "T2F" (DATA)
31	1	20	----	SPARE	32	1	20	0.18	CLOCK POWER "T2FE"
33	1	20	----	SPARE	34	1	20	0.40	HVAC NETWORK CONTROL UNIT
35	1	----	----	SPACE	36	1	20	0.18	REC RM P246
37	1	----	----	SPACE	38	1	20	----	SPARE
39	1	----	----	SPACE	40	2	30	4.5	WATER HEATER WH-T-10 RM P247A
41	1	----	----	SPACE	42	-	----	----	----

TOTAL CONNECTED LOAD: 32.01 KVA

PANEL "TH3F2" 277/480 VOLT, 3 PHASE, 4 WIRE, 225 AMP MAIN LUGS ONLY, SURFACE MOUNTED.  
ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 18,000 RMS  
SYMMETRICAL AMPERES.

CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	3.03	FTU 13/34	2	1	20	2.53	FTU 13/30
3	1	20	3.03	FTU 13/35	4	1	20	3.03	FTU 13/31
5	1	20	3.53	FTU 13/27	6	1	20	3.03	FTU 13/29
7	1	20	2.33	VAV 13/6 AND 13/7	8	1	30	4.53	FTU 13/28
9	1	20	----	SPARE	10	1	20	----	SPARE
11	1	20	----	SPARE	12	1	20	----	SPARE
13	1	20	----	SPARE	14	1	20	2.58	LTG RMS P329,P330,P331,P334
15	1	20	2.16	LTG RMS P327,P332	16	1	20	3.12	LTG RMS P335,P336
17	1	20	0.50	LTG RMS P332	18	1	20	1.56	LTG RMS P328
19	1	----	----	SPACE	20	1	20	3.5	UH-T2 RM P402
21	1	----	----	SPACE	22	1	20	0.24	ATTIC LIGHTING & VAV 13/8
23	1	----	----	SPACE	24	1	20	----	SPARE
25	1	----	----	SPACE	26	-	----	----	----
27	1	----	----	SPACE	28	3	80	50.0	EOH-T7
29	1	----	----	SPACE	30	-	----	----	----
31	-	----	----	----	32	-	----	----	----
33	3	20	1.16	HW-T7	34	3	20	6.32	EF-T7
35	-	----	----	----	36	-	----	----	----
37	-	----	----	----	38	-	----	----	----
39	3	70	33.2	AHU-T13	40	3	20	6.3	AHU-T14
41	-	----	----	----	42	-	----	----	----

TOTAL CONNECTED LOAD: 134.68 KVA

PANEL "TL3F2" 120/208 VOLT, 3 PHASE, 4 WIRE, 125 AMP MAIN LUGS ONLY, SURFACE MOUNTED.  
ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS  
SYMMETRICAL AMPERES.

CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	-	----	----	----	2	1	20	1.08	REC RMS P328,P329
3	3	40	6.12	PANEL "TL3F3"	4	1	20	1.08	REC RMS P329,P324
5	-	----	----	----	6	1	20	0.90	REC RMS P325,P328
7	1	20	0.54	REC RMS P326,P327,P328	8	1	20	1.08	REC RMS P328,P329,P334
9	1	20	0.90	REC RM P327	10	1	20	1.08	REC RMS P335,P336
11	1	20	0.90	REC RMS P326,P327	12	1	20	0.36	REC RM P402
13	1	20	1.08	REC RMS P334,P335	14	1	20	0.60	AHU LIGHTING AND EMCS RM P402
15	1	20	0.90	REC RMS P335,P336	16	1	20	0.36	REC TEL BD "T3F" (VOICE)
17	1	20	----	SPARE	18	1	20	0.36	REC TEL BD "T3F" (DATA)
19	1	20	----	SPARE	20	1	20	0.18	CLOCK POWER "T3FE"
21	1	20	----	SPARE	22	1	20	----	SPARE
23	1	20	----	SPARE	24	1	20	----	SPARE
25	1	----	----	SPACE	26	1	----	----	SPACE
27	1	----	----	SPACE	28	1	----	----	SPACE
29	1	----	----	SPACE	30	1	----	----	SPACE

TOTAL CONNECTED LOAD: 17.52 KVA

PANEL "TL3F3" 120/208 VOLT, 3 PHASE, 4 WIRE, 40 AMP MAIN BREAKER WITH 120 V. UNDERVOLTAGE RELEASE COIL,  
SURFACE MOUNTED. ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 RMS  
SYMMETRICAL AMPERES. PANEL U.L. LISTED SUBTLE FOR NON-LINEAR LOADS.

CKT. NO.	POLE	TRIP	LOAD KVA	SERVES	CKT. NO.	POLE	TRIP	LOAD KVA	SERVES
1	1	20	0.72	RECEPTACLES WEST	2	1	20	0.72	RECEPTACLES EAST
3	1	20	0.72	RECEPTACLES WEST	4	1	20	0.72	RECEPTACLES EAST
5	1	20	0.54	FLOOR RECEPTACLES WEST	6	1	20	0.54	FLOOR RECEPTACLES EAST
7	1	20	0.36	RECEPTACLES SOUTH	8	1	20	0.72	RECEPTACLES NORTH
9	1	20	----	SPARE	10	1	20	0.54	RECEPTACLES NORTH
11	1	20	----	SPARE	12	1	20	0.54	RECEPTACLES NORTH
13	1	----	----	SPACE	14	1	----	----	SPACE
15	1	----	----	SPACE	16	1	----	----	SPACE

TOTAL CONNECTED LOAD: 6.12 KVA

PANEL INDEX

TH2F2	TH3F2
TL2F2	TL3F2
	TL3F3

TRAINING FACILITY

VOA ASSOCIATES, INC. ARCHITECTURE   PLANNING   INTERIORS 200 NORTH GARDEN STREET STE 200 DULHAM, NC 28034	PHILIP S. THOMPSON ON MORLEY PARTNER 21 MAY 1996	RECORD DRAWING DATE	DATE	5-21-96
REV. DESCRIPTION	PREP BY	DATE	APPROV	
GENERAL REVISIONS	K. BEAVERS	7/26/96	EAH	
SOUTHERN DIVISION CHARLESTON, S.C.		CHARLESTON, S.C.		
NAVAL WEAPONS STATION		NNPTC TRAINING COMPLEX		
PANEL SCHEDULES		PANEL SCHEDULES		
DEPARTMENT OF THE NAVY		OFFICE OF THE CHIEF ENGINEER		
SEA AREA		SEA AREA		
NO. 310		NO. 310		
SPEC. NO. 06-95-0748		SPEC. NO. 06-95-0748		
CONSTR. CONTR. NO. N62467-95-C-0748		CONSTR. CONTR. NO. N62467-95-C-0748		
NAVFAC DRAWING NO. 5321381		NAVFAC DRAWING NO. 5321381		
SHEET 492 OF 492		SHEET 492 OF 492		

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.