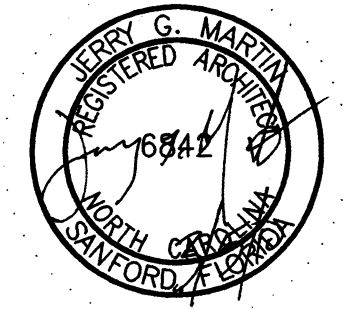


CONSULTANTS

THE JOHNSON-McADAMS FIRM
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662-455-4943



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CLEVELAND



USCG. CEU CLEVELAND
1240 EAST 9TH STREET
CLEVELAND, OH 44199-2060

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO:	
CAD FILE NAME: C7648A05	
DESIGNED BY:	JGM
DRAWN BY:	ADD
EDITED BY:	ADD
CHECKED BY:	JGM

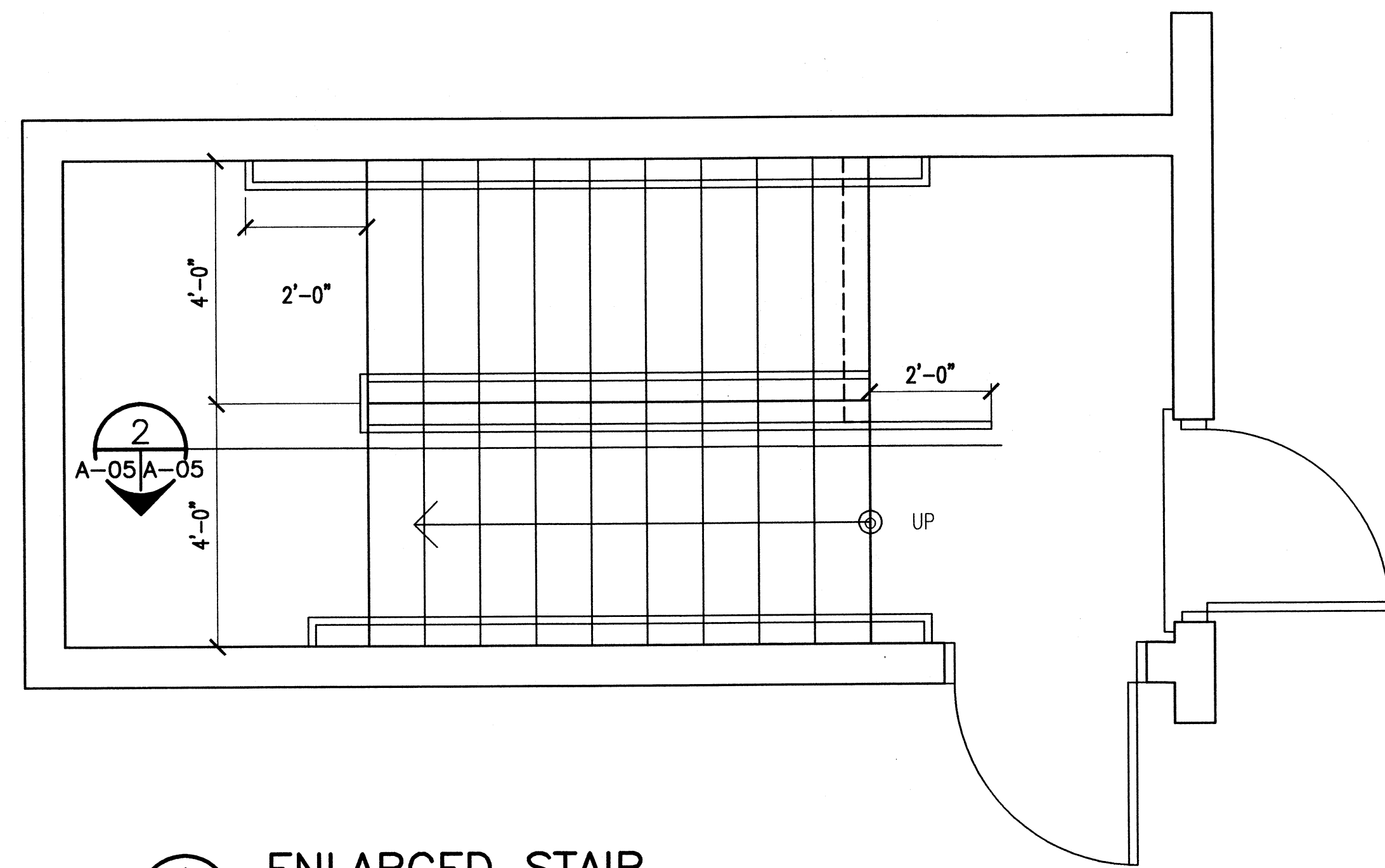
SCALE: AS SHOWN	PLOT SCALE: 1:1
SHEET TITLE	

REPLACE PUBLIC WORKS SHOP
CG SECTOR NORTH CAROLINA
ATLANTIC BEACH NORTH CAROLINA
PUBLIC WORKS SHOP
ARCHITECTURAL
ENLARGED STAIRS

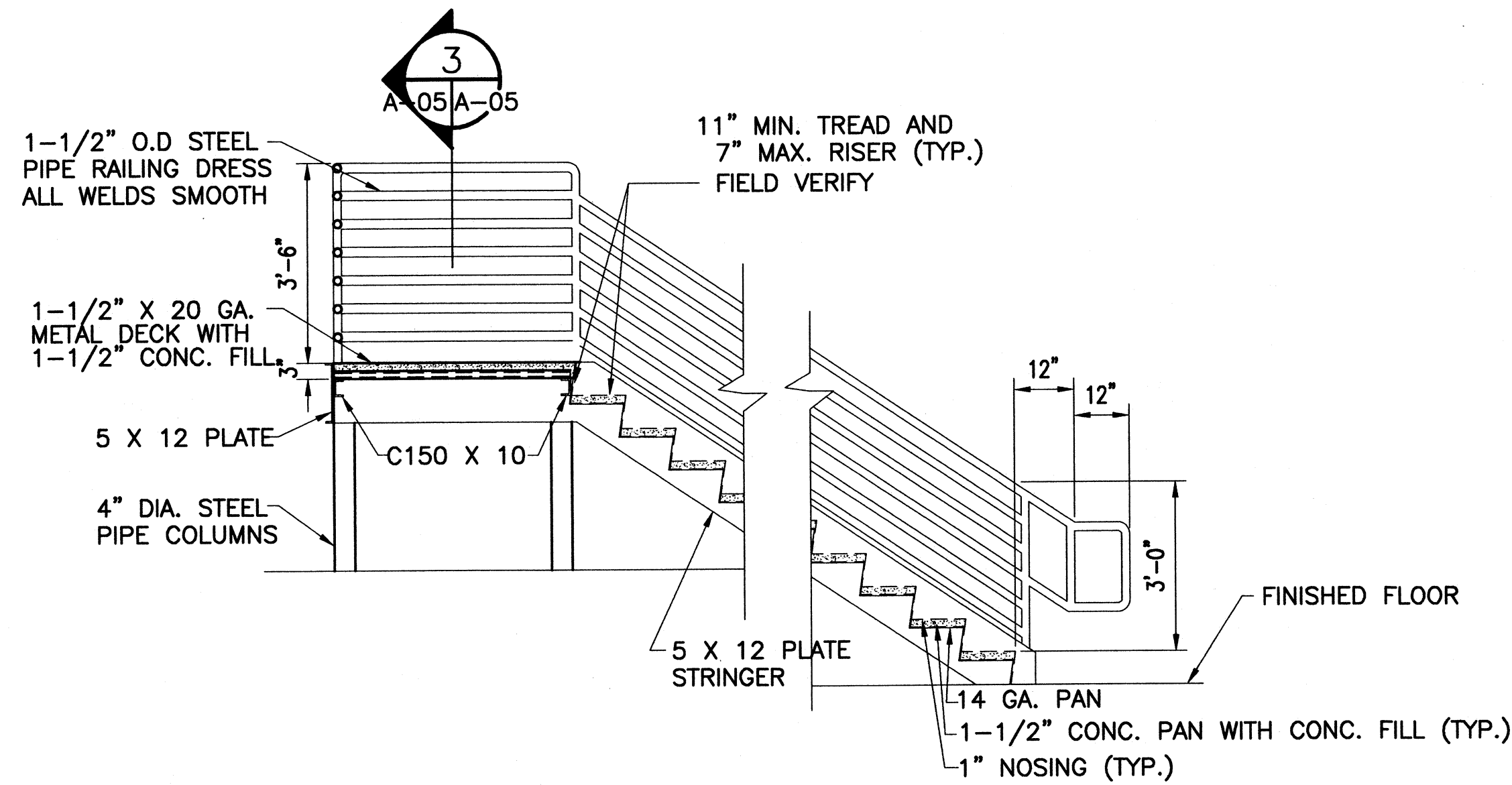
REVIEWED BY: <i>L. HERSHEY</i> L. HERSHEY	REVIEWED BY: <i>B. VRANKAR</i> B. VRANKAR	REVIEWED BY: <i>G.S. PLACZEK</i> G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

<i>J. A. Healy</i> J. A. HEALY, CAPT	02/01/10
APPROVING OFFICER	DATE

PROJECT NUMBER	DRAWING NUMBER
05-C05124	7648-D
DISCIPLINE/SHT NO	SHEET 15 OF 28
A-05	

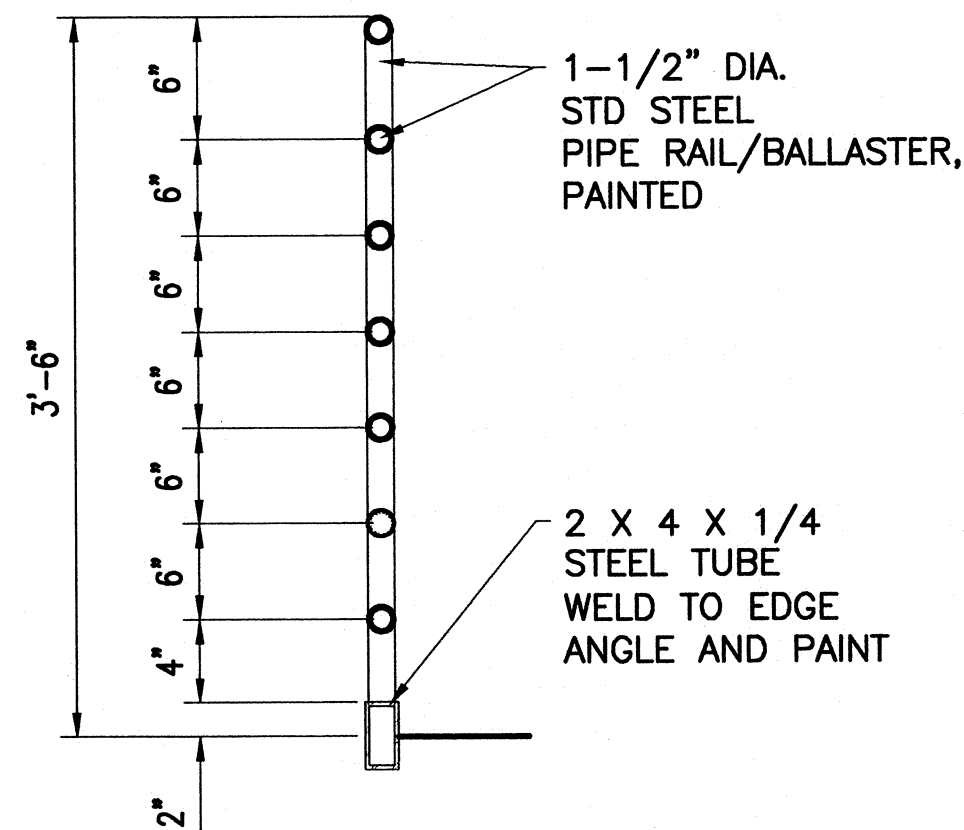


1 ENLARGED STAIR
A-01|A-05 SCALE: 1/2" = 1'-0"

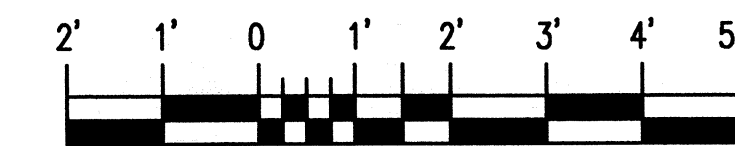


2 SECTION
A-05|A-05 SCALE: 1/2" = 1'-0"

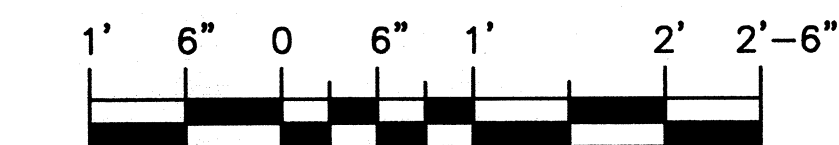
NOTE: ALL METAL COMPONENTS SHALL BE PAINTED.



3 SECTION
A-05|A-05 SCALE: 1" = 1'-0"



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

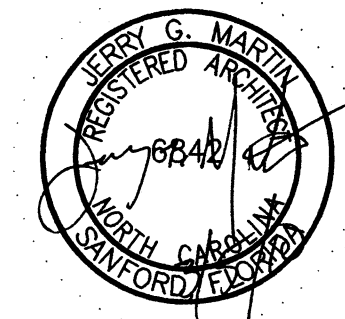


SCALE: 1" = 1'-0"

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1240 EAST 9TH STREET
CLEVELAND, OH 44199-2060

ISSUE

MARK	DATE	DESCRIPTION

A/E PROJECT NO:	
CAD FILE NAME:	C7648A06
DESIGNED BY:	JGM
DRAWN BY:	ADD
EDITED BY:	ADD
CHECKED BY:	JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE

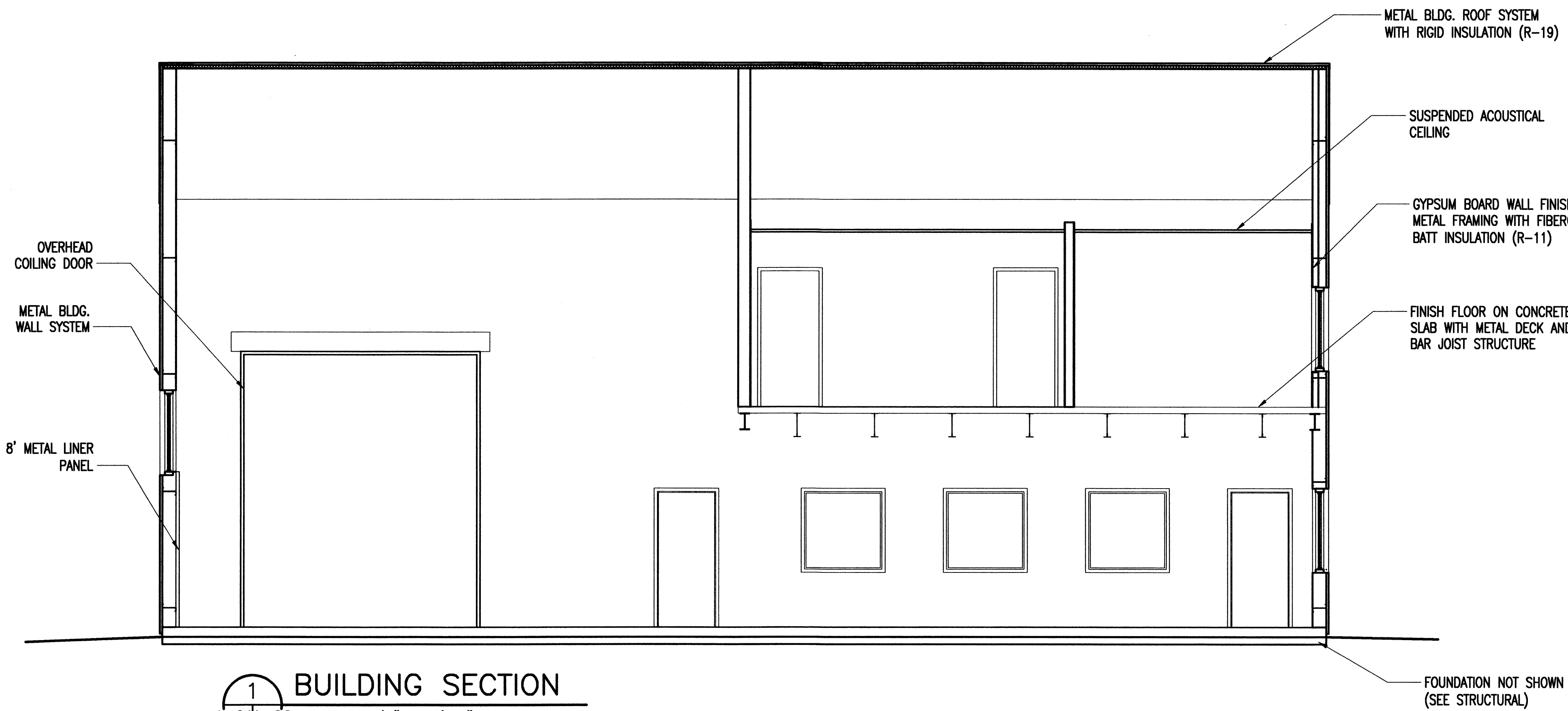
REPLACE PUBLIC WORKS SHOP
CG SECTOR NORTH CAROLINA
ATLANTIC BEACH NORTH CAROLINA
PUBLIC WORKS SHOP
ARCHITECTURAL
BLDG. SECTIONS

REVIEWED BY: L. MERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

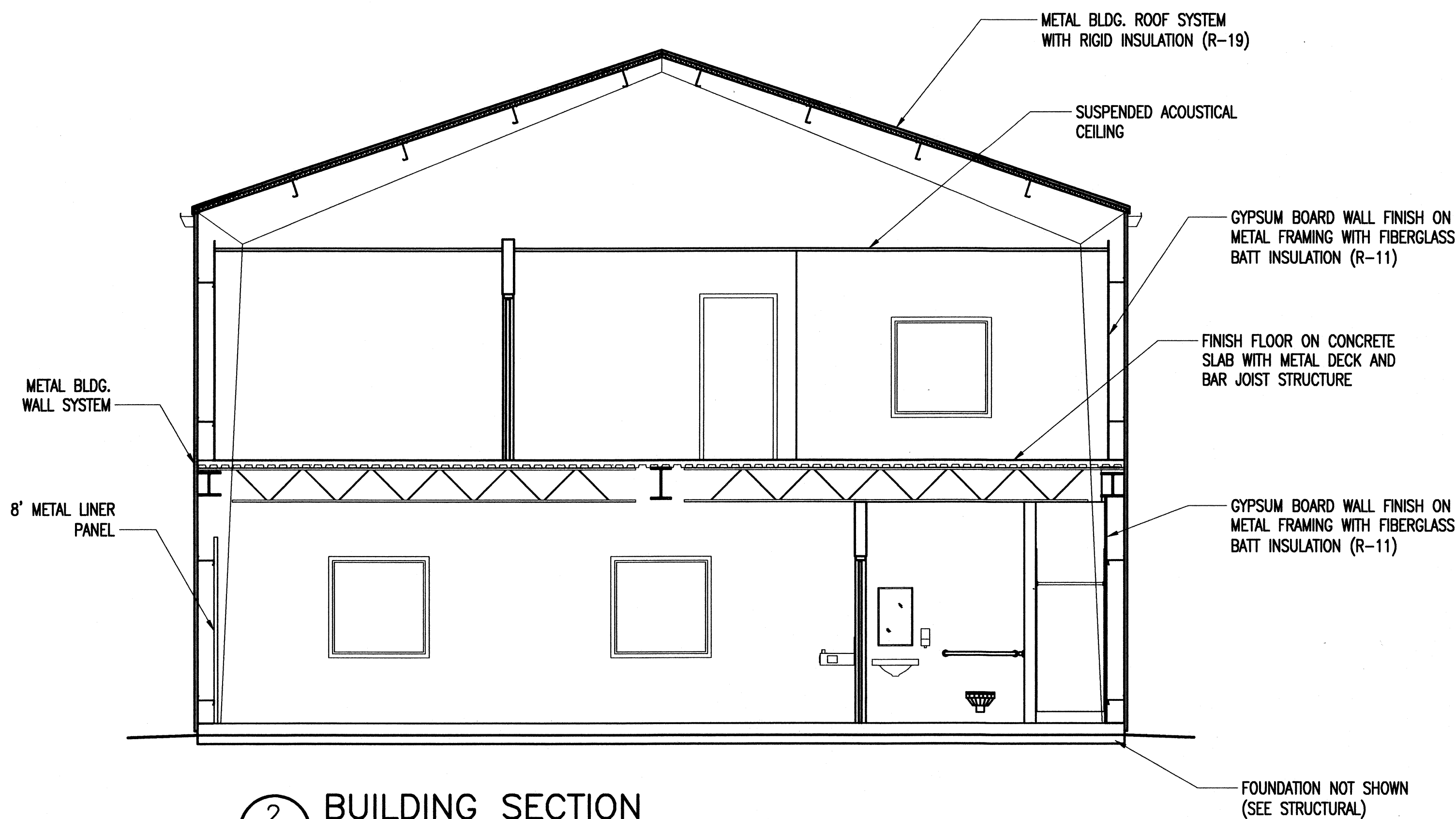
J. A. Healy J. A. HEALY, CAPT	02/01/10 DATE
APPROVING OFFICER	

PROJECT NUMBER 05-C05124	DRAWING NUMBER 7648-D
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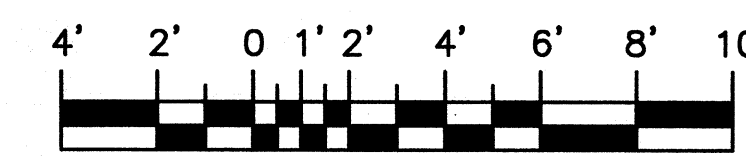
DISCIPLINE/SHT NO A-06	SHEET 16 OF 28
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1 BUILDING SECTION
A-01A-06 SCALE: 1/4" = 1'-0"



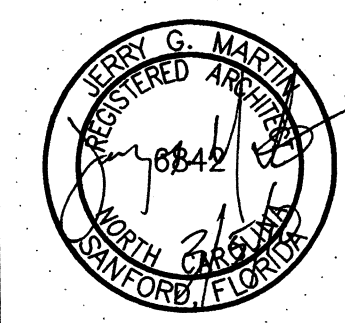
2 BUILDING SECTION
A-01A-06 SCALE: 1/4" = 1'-0"



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

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CLEVELAND, OH 44199-2060

ISSUE

MARK	DATE	DESCRIPTION

A/E PROJECT NO:
CAD FILE NAME: C7648A07
DESIGNED BY: JGM
DRAWN BY: ADD
EDITED BY: ADD
CHECKED BY: JGM

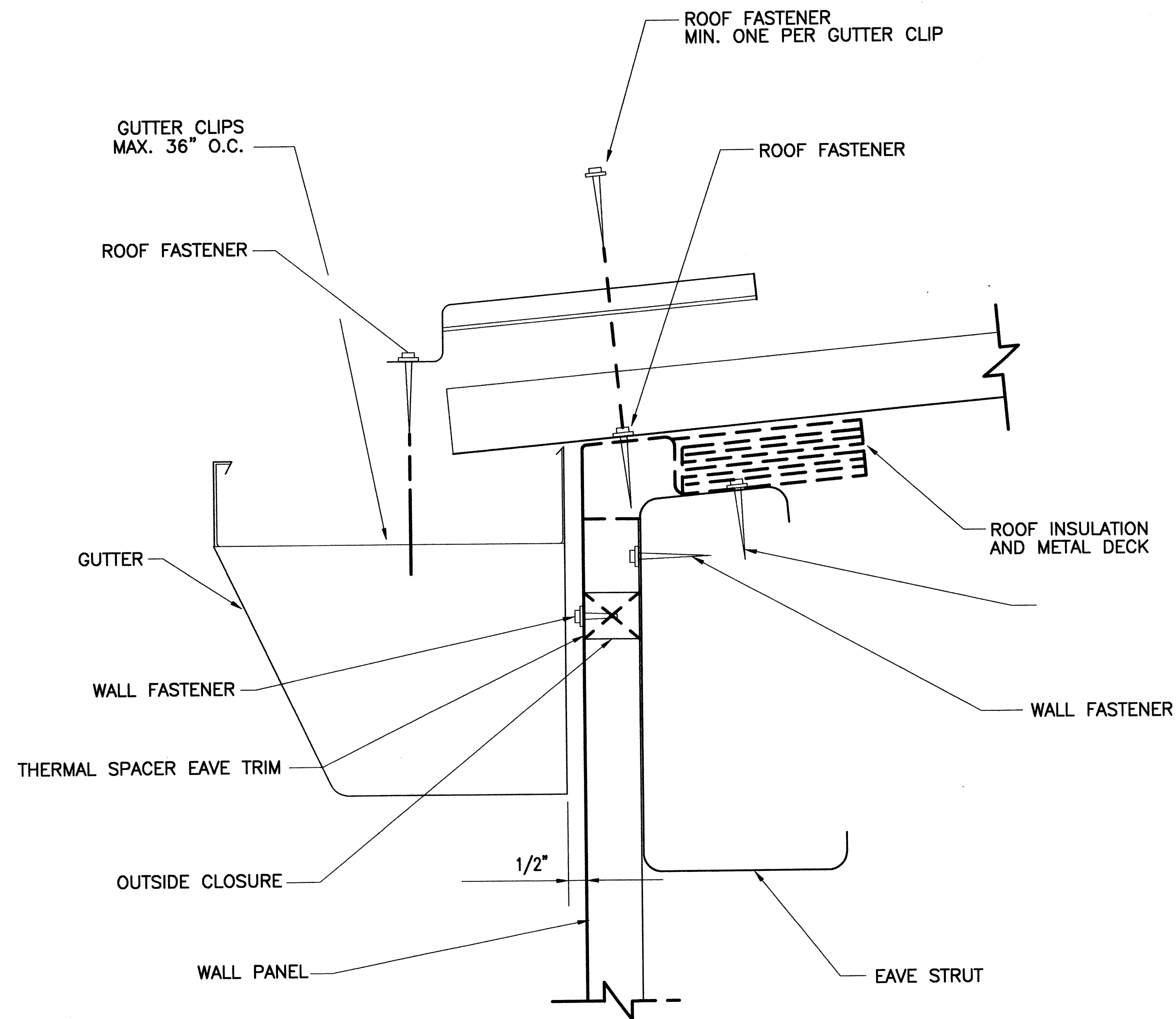
SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE

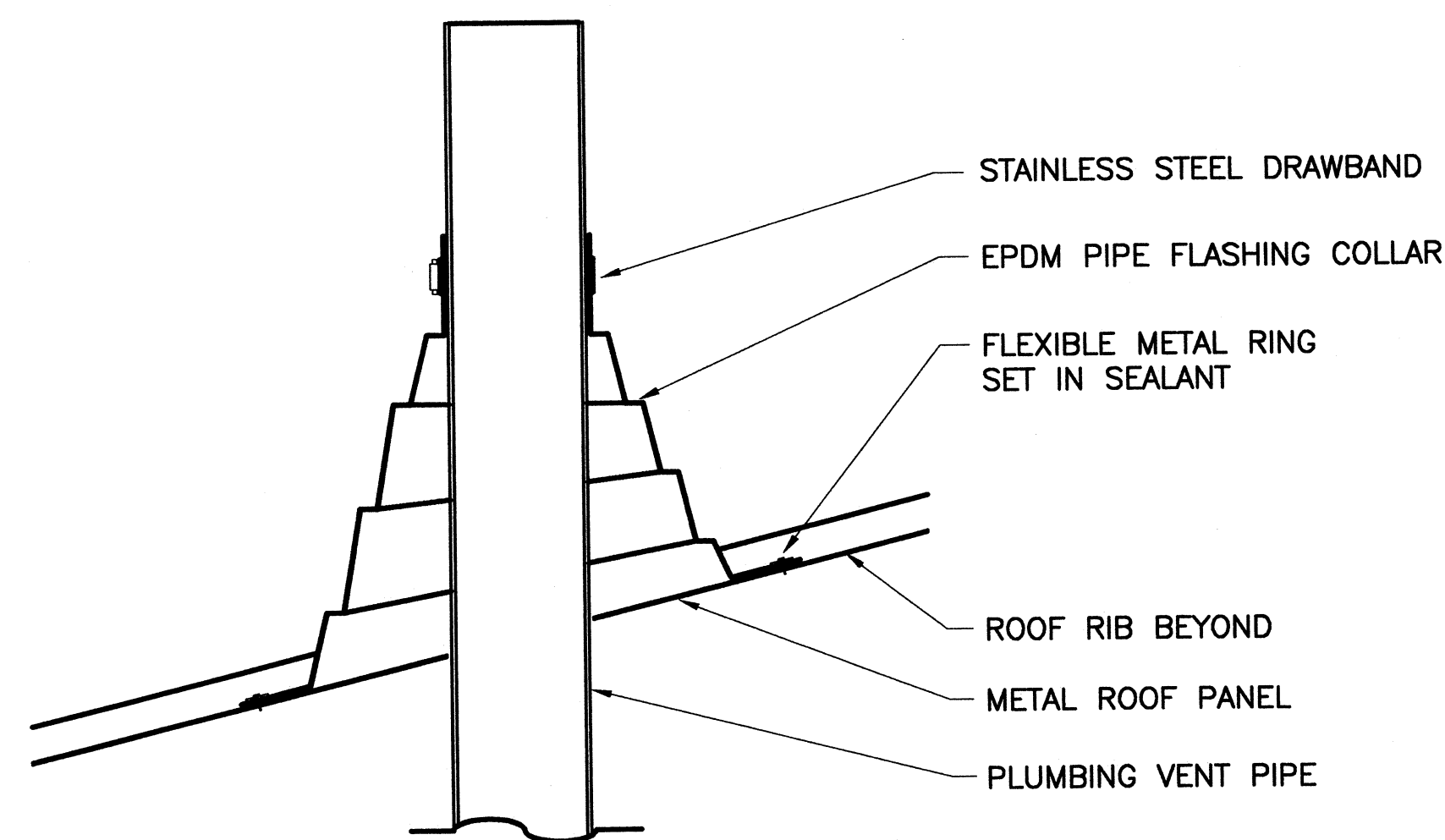
REPLACE PUBLIC WORKS SHOP
CG SECTOR NORTH CAROLINA
ATLANTIC BEACH NORTH CAROLINA
PUBLIC WORKS SHOP
ARCHITECTURAL
DETAILS

REVIEWED BY: L. HERSEY	REVIEWED BY: G. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. Healy J. A. HEALY, CAPT		02/01/10 DATE
APPROVING OFFICER		

PROJECT NUMBER	DRAWING NUMBER
05-C05124	7648-D
DISCIPLINE/SHT NO	SHEET 17 OF 28
A-07	

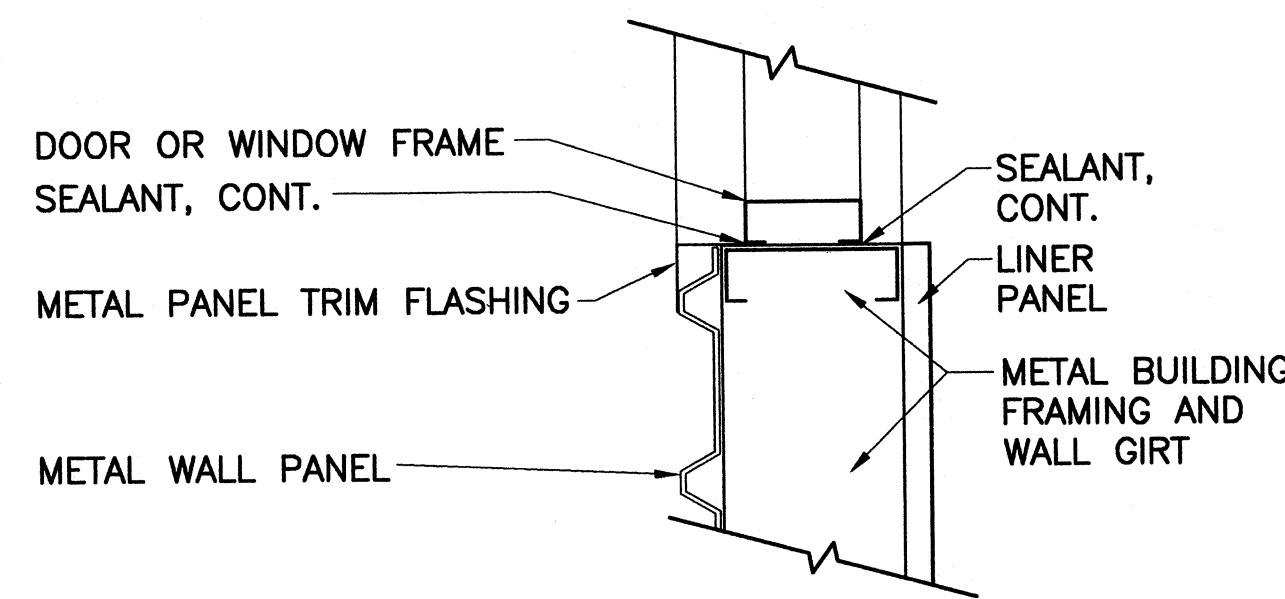


1 TYPICAL GUTTER DETAIL
A-02/A-07 NOT TO SCALE

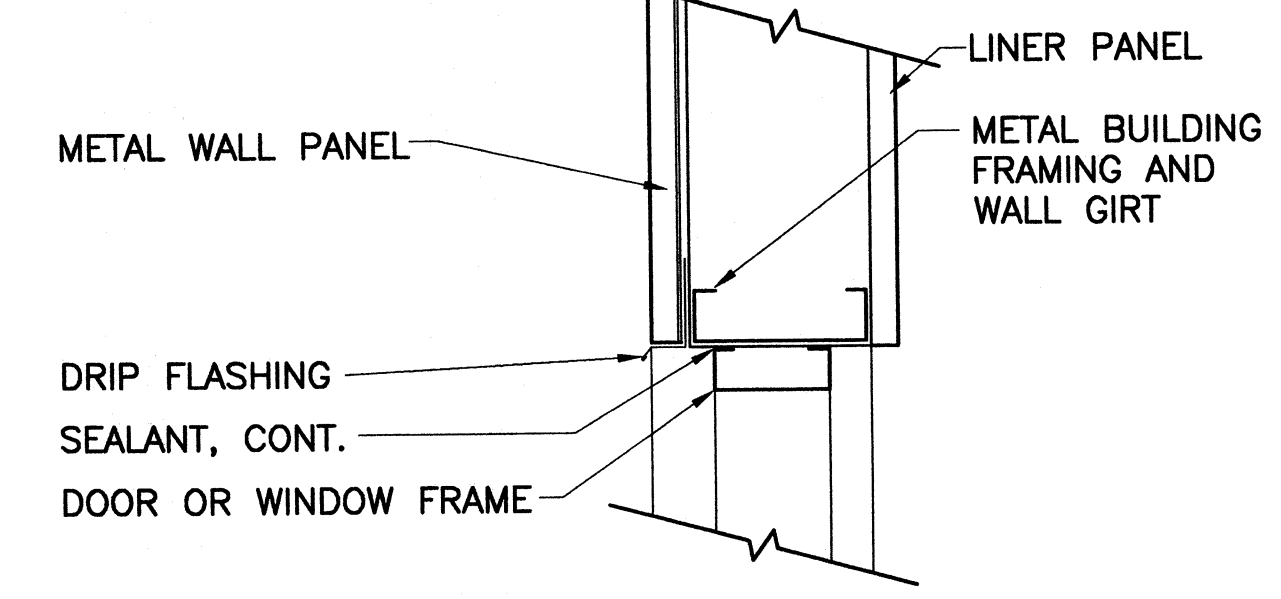


NOTE: CENTER PIPE PENETRATION BETWEEN ROOF RIBS

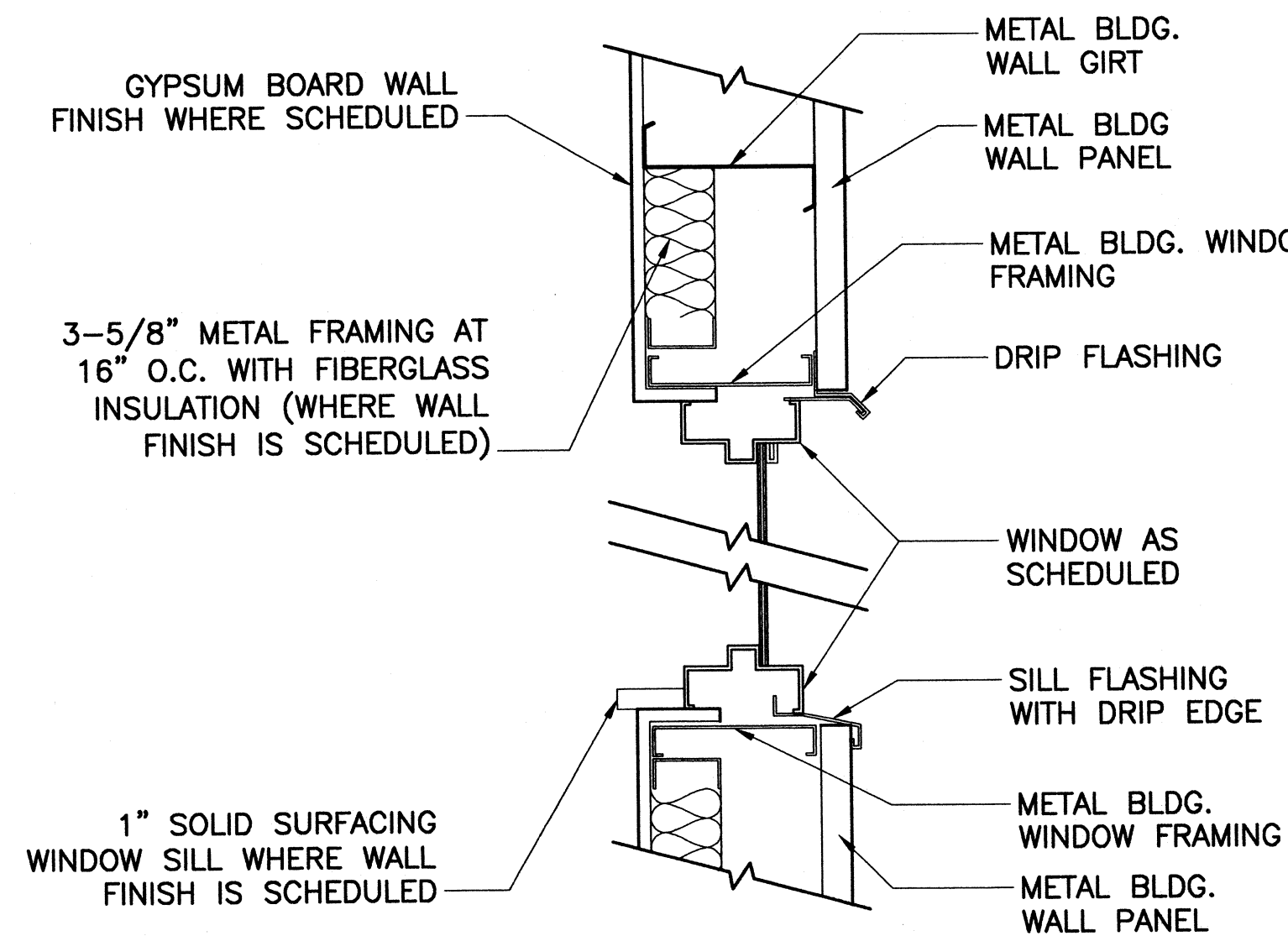
2 TYPICAL PIPE PENETRATION DETAIL
A-02/A-07 NOT TO SCALE



3 TYP. JAMB DETAIL

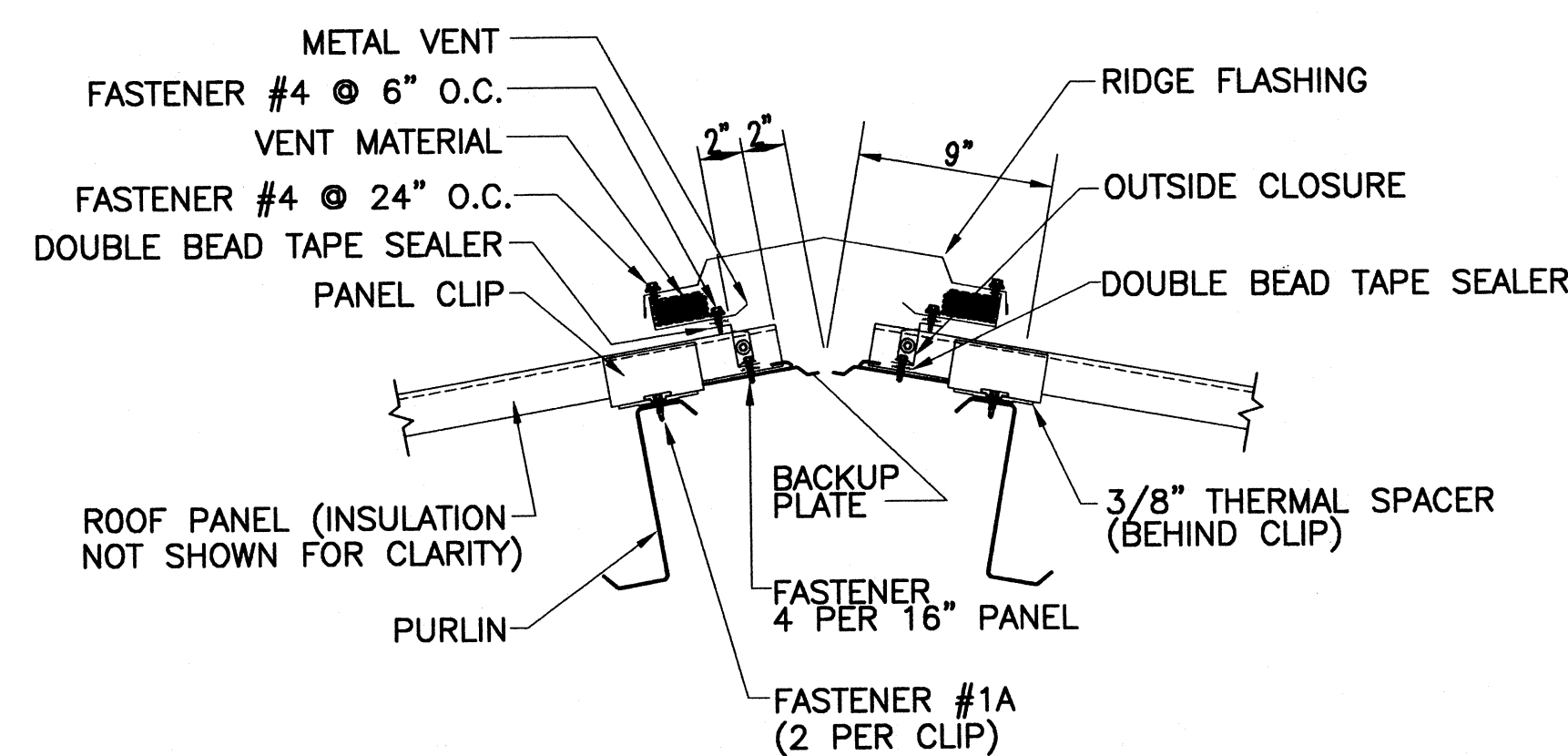


4 TYP. HEAD DETAIL



3 TYP. WINDOW DETAIL

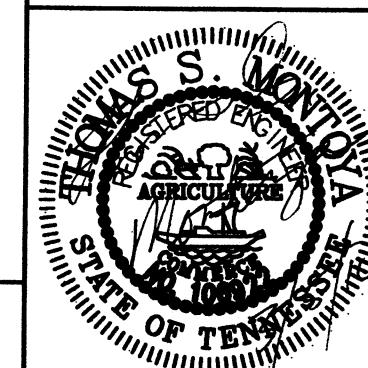
3 METAL BUILDING WALL PANEL OPENINGS
A-02/A-07 NOT TO SCALE



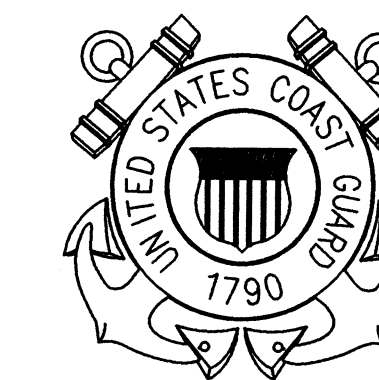
4 SECTION AT RIDGE
A-02/A-07 SCALE: NONE

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662-455-4943



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1240 EAST 9TH STREET
CLEVELAND, OH 44199-2060

MARK	DATE	DESCRIPTION

A/E PROJECT NO:	
CAD FILE NAME:	C7648M01
DESIGNED BY:	TSM
DRAWN BY:	TSM
EDITED BY:	TSM
CHECKED BY:	JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE

REPLACE PUBLIC WORKS SHOP
CG SECTOR NORTH CAROLINA
ATLANTIC BEACH NORTH CAROLINA
PUBLIC WORKS SHOP
MECHANICAL
FLOOR PLAN MECHANICAL

REVIEWED BY: L. HERSHEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. Healy J. A. HEALY, CAPT		02/01/10
APPROVING OFFICER		DATE

PROJECT NUMBER	DRAWING NUMBER
----------------	----------------

05-C05124 7648-D

DISCIPLINE/SHT NO	SHEET 18 OF 28
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M-01

KEYED NOTES

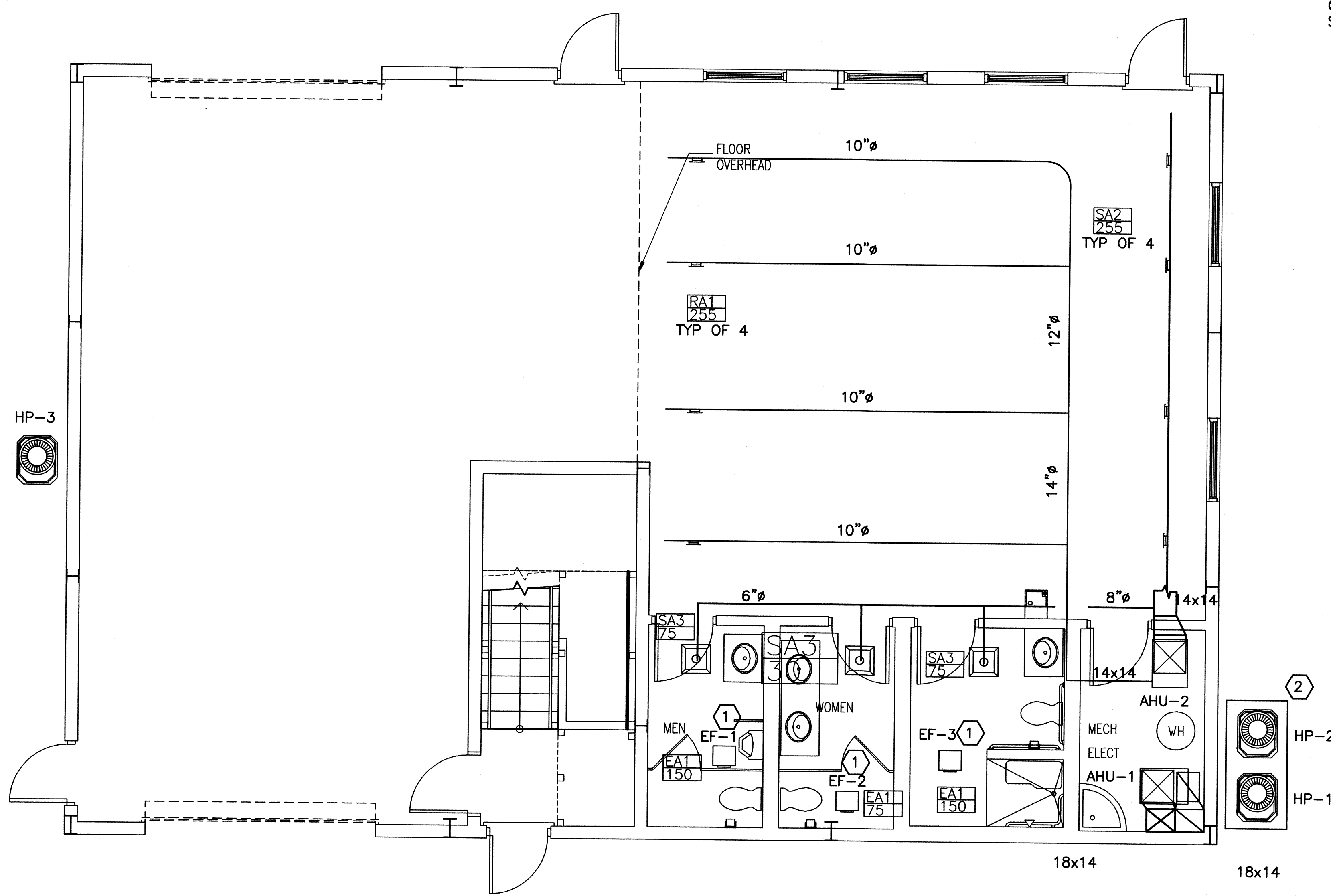
- 1 PROVIDE CEILING EXHAUST FAN PER FAN SCHEDULE. ROUTE 4"Ø EXHAUST DUCT TO WALL. PROVIDE RAIN CAP.
- 2 PROVIDE 8" THICK CONCRETE PAD FOR HEAT PUMPS. 3,000 PSI CONCRETE WITH 6" SKIRT ON ALL SIDES.

MECHANICAL LEGEND

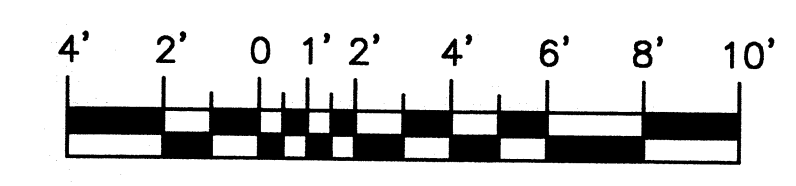
- MANUAL VOLUME DAMPER
- ⊕ THERMOSTAT
- ⊗ SUPPLY DIFFUSER
- ⊘ RETURN AIR OR EXHAUST AIR GRILLE
- HP-1 EQUIPMENT MARK
- SA1 220 DIFFUSER MARK
- ◀ FIRE DAMPER
- Z CHECK VALVE
- ⊗ SHUT-OFF VALVE
- └ TURNING VANES
- AHU AIR HANDLER UNIT
- HP OUTSIDE HEAT PUMP
- EF EXHAUST FAN
- EA EXHAUST AIR
- SA SUPPLY AIR
- RA RETURN AIR

GENERAL NOTES

- A. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF MECHANICAL, GAS, PLUMBING, AND ELECTRICAL CODES FOR THE AUTHORITIES HAVING JURISDICTION. ALL LISTED AND NON-LISTED APPLIANCES ARE TO BE INSTALLED PER IMC 304.1 AND IFGC 306.5. EVERY APPLIANCE SHALL BE LOCATED WITH RESPECT TO BUILDING CONSTRUCTION AND OTHER EQUIPMENT SO AS TO PERMIT ACCESS AND SERVICE PER IMC SECTION 303. EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. THE INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE PER IMC 304.1
- B. ENGINEERING DRAWINGS ARE DIAGRAMMATIC, AND WHILE THE ENGINEER HAS MADE A CONCERTED EFFORT TO ARRANGE AND LAYOUT EQUIPMENT AND PIPING IN A NON CONFLICTIVE MANNER, THE FINAL RESPONSIBILITY OF COORDINATION OF VARIOUS TRADES IS THAT OF THE GENERAL CONTRACTOR.
- C. CONTRACTOR SHALL NOT FABRICATE ANY PIPING, DUCTWORK NOR INSTALL ANY EQUIPMENT PRIOR TO VERIFICATION OF CLEARANCES, REVIEWING ARCHITECTURAL, STRUCTURAL, PLUMBING, DRAWINGS. CONTRACTOR SHALL INSPECT EXISTING CONDITIONS TO VERIFY THAT NO FIELD CHANGES HAVE OCCURRED THAT MAY EFFECT WORK. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF ANY WORK.
- D. CONTRACTOR TO PROVIDE LONG RADIUS 90DEG. ELBOWS, TURNING VANES, WYE BRANCHES, FOR DUCTWORK FITTINGS TO MINIMIZE FRICTIONAL LOSSES.
- E. CONTRACTOR SHALL BE ALLOWED TO RECONFIGURE ASPECT RATIO OF DUCTWORK TO AVOID CONFLICTS. MAINTAIN ORIGINAL CROSS SECTIONAL AREA AND PROVIDE GRADUAL TRANSITIONS.
- F. DIMENSIONS FOR DUCTWORK LISTED ON DRAWINGS ARE FOR CLEAR DIMENSIONS. APPLY A 1" EXTERNAL INSULATION TO ALL DUCTWORK. DUCTWORK TO BE GALVANIZED STEEL. FLEX DUCT CAN BE ONLY USED 6 FEET WITHIN DIFFUSER.
- G. PROVIDE A CHANGE OVER THERMOSTAT FOR THE THREE AIR HANDLER UNITS. PROVIDE SMOKE DETECTOR IN SUPPLY AND RETURN SIDE OF DUCTWORK. IF THERE ARE COMBUSTIBLES DETECTED BY THESE SMOKE DETECTORS, THEN THE PACKAGED UNITS SHALL SHUT DOWN.

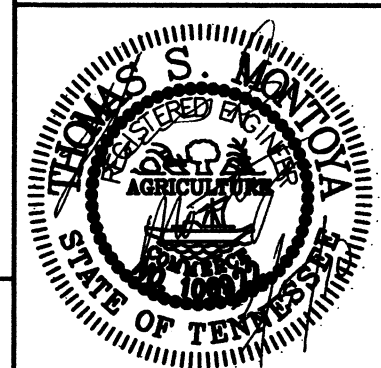


1 FIRST FLOOR-HVAC
M-01M-01 SCALE: 1/4"=1'



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

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CLEVELAND, OH 44199-2060

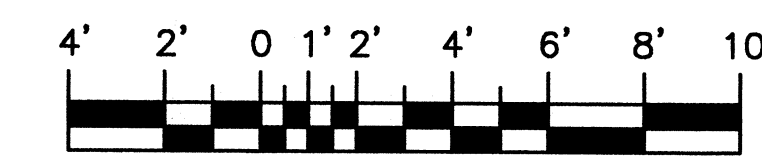
MARK	DATE	DESCRIPTION

A/E PROJECT NO:
CAD FILE NAME: C7648M02
DESIGNED BY: TSM
DRAWN BY: TSM
EDITED BY: TSM
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE
REPLACE PUBLIC WORKS SHOP
CG SECTOR NORTH CAROLINA
ATLANTIC BEACH NORTH CAROLINA
PUBLIC WORKS SHOP
MECHANICAL
FLOOR PLAN MECHANICAL

REVIEWED BY: J. A. HEALY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. HEALY J. A. HEALY, CAPT		02/01/10 DATE
APPROVING OFFICER		DATE



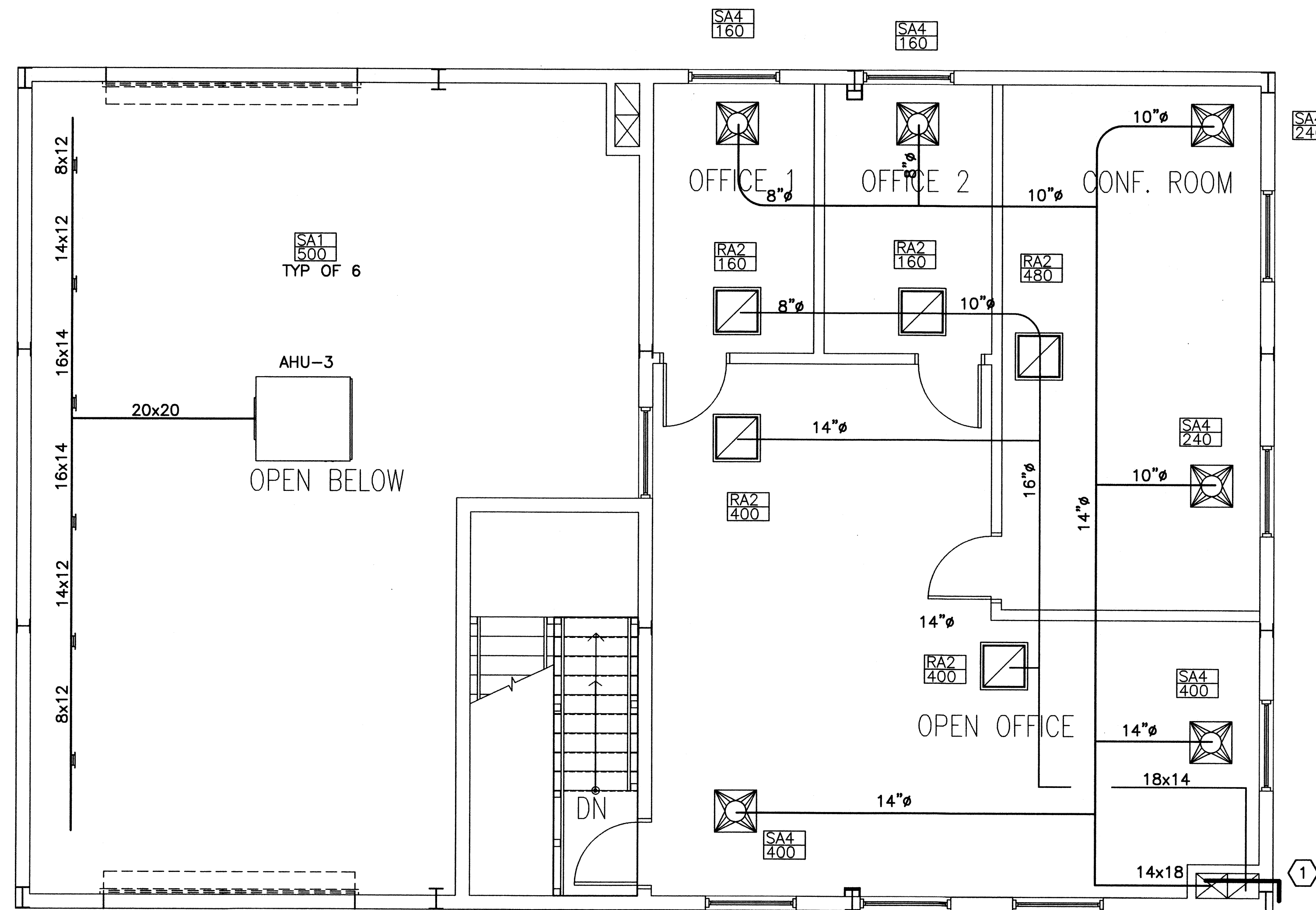
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- A. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF MECHANICAL, GAS, PLUMBING, AND ELECTRICAL CODES FOR THE AUTHORITIES HAVING JURISDICTION. ALL LISTED AND NON-LISTED APPLIANCES ARE TO BE INSTALLED PER IMC 304.1 AND IFGC 306.5. EVERY APPLIANCE SHALL BE LOCATED WITH RESPECT TO BUILDING CONSTRUCTION AND OTHER EQUIPMENT SO AS TO PERMIT ACCESS AND SERVICE PER IMC SECTION 303. EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. THE INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE PER IMC 304.1
- B. ENGINEERING DRAWINGS ARE DIAGRAMMATIC, AND WHILE THE ENGINEER HAS MADE A CONCERTED EFFORT TO ARRANGE AND LAYOUT EQUIPMENT AND PIPING IN A NON CONFLICTIVE MANNER, THE FINAL RESPONSIBILITY OF COORDINATION OF VARIOUS TRADES IS THAT OF THE GENERAL CONTRACTOR.
- C. CONTRACTOR SHALL NOT FABRICATE ANY PIPING, DUCTWORK NOR INSTALL ANY EQUIPMENT PRIOR TO VERIFICATION OF CLEARANCES, REVIEWING ARCHITECTURAL, STRUCTURAL, PLUMBING, DRAWINGS. CONTRACTOR SHALL INSPECT EXISTING CONDITIONS TO VERIFY THAT NO FIELD CHANGES HAVE OCCURRED THAT MAY EFFECT WORK. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF ANY WORK.
- D. CONTRACTOR TO PROVIDE LONG RADIUS 90DEG. ELBOWS, TURNING VANES, WYE BRANCHES, FOR DUCTWORK FITTINGS TO MINIMIZE FRICTIONAL LOSSES.
- E. CONTRACTOR SHALL BE ALLOWED TO RECONFIGURE ASPECT RATIO OF DUCTWORK TO AVOID CONFLICTS. MAINTAIN ORIGINAL CROSS SECTIONAL AREA AND PROVIDE GRADUAL TRANSITIONS.
- F. DIMENSIONS FOR DUCTWORK LISTED ON DRAWINGS ARE FOR CLEAR DIMENSIONS. APPLY A 1" EXTERNAL INSULATION TO ALL DUCTWORK. DUCTWORK TO BE GALVANIZED STEEL. FLEX DUCT CAN BE ONLY USED 6 FEET WITHIN DIFFUSER.
- G. PROVIDE A CHANGE OVER THERMOSTAT FOR THE THREE AIR HANDLER UNITS. PROVIDE SMOKE DETECTOR IN SUPPLY AND RETURN SIDE OF DUCTWORK. IF THERE ARE COMBUSTIBLES DETECTED BY THESE SMOKE DETECTORS, THEN THE PACKAGED UNITS SHALL SHUT DOWN.

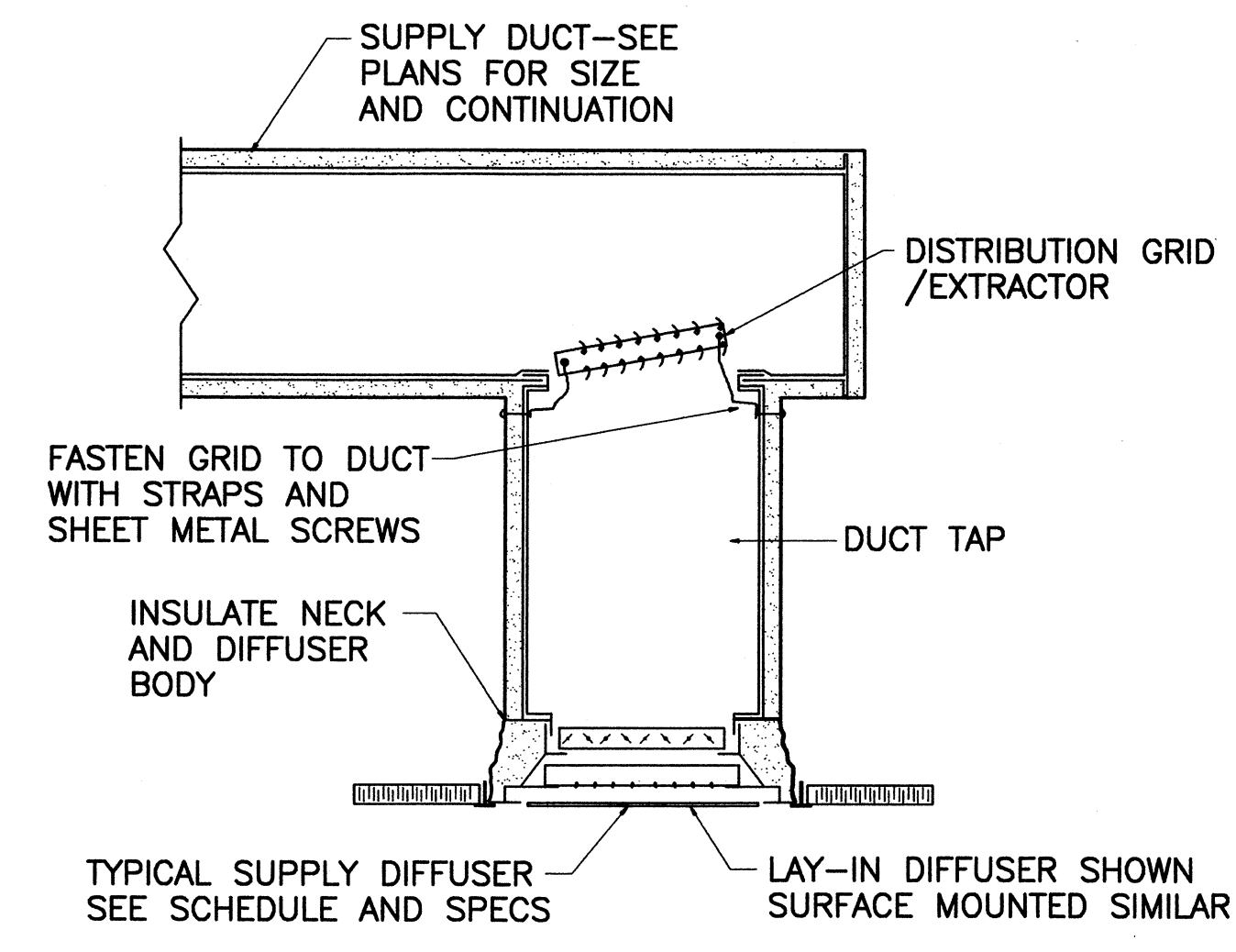
KEYED NOTES

- ① PROVIDE FIRE DAMPER FOR SUPPLY AND RETURN DUCTWORK.

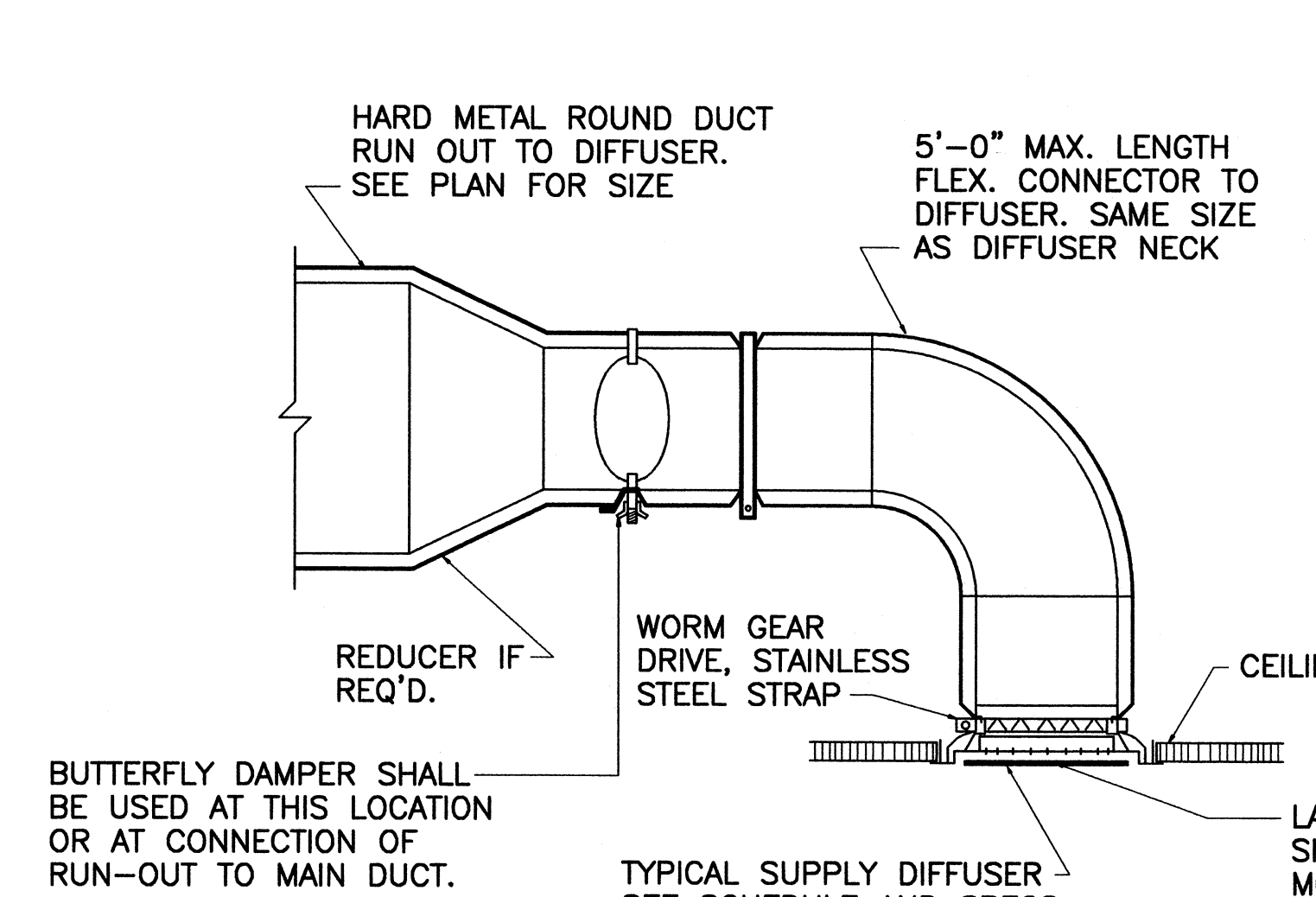


② SECOND FLOOR-HVAC
M-01|M-01SCALE: 1/4"=1'

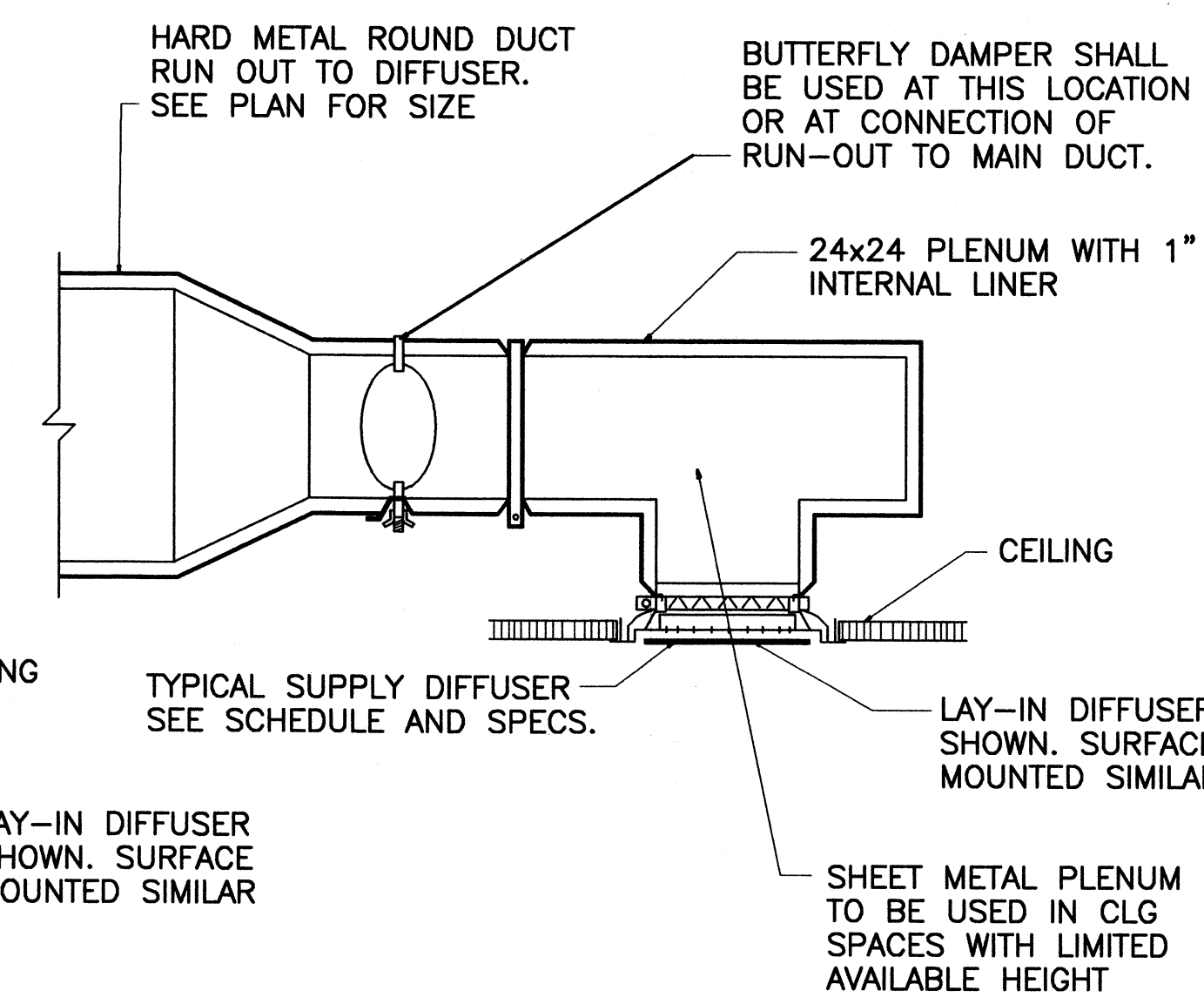
PROJECT NUMBER	DRAWING NUMBER
05-C05124	7648-D
DISCIPLINE/SHT NO	SHEET 19 OF 28
M-02	



1 TYPICAL DIFFUSER MOUNTING
M-03M-03 NOT TO SCALE

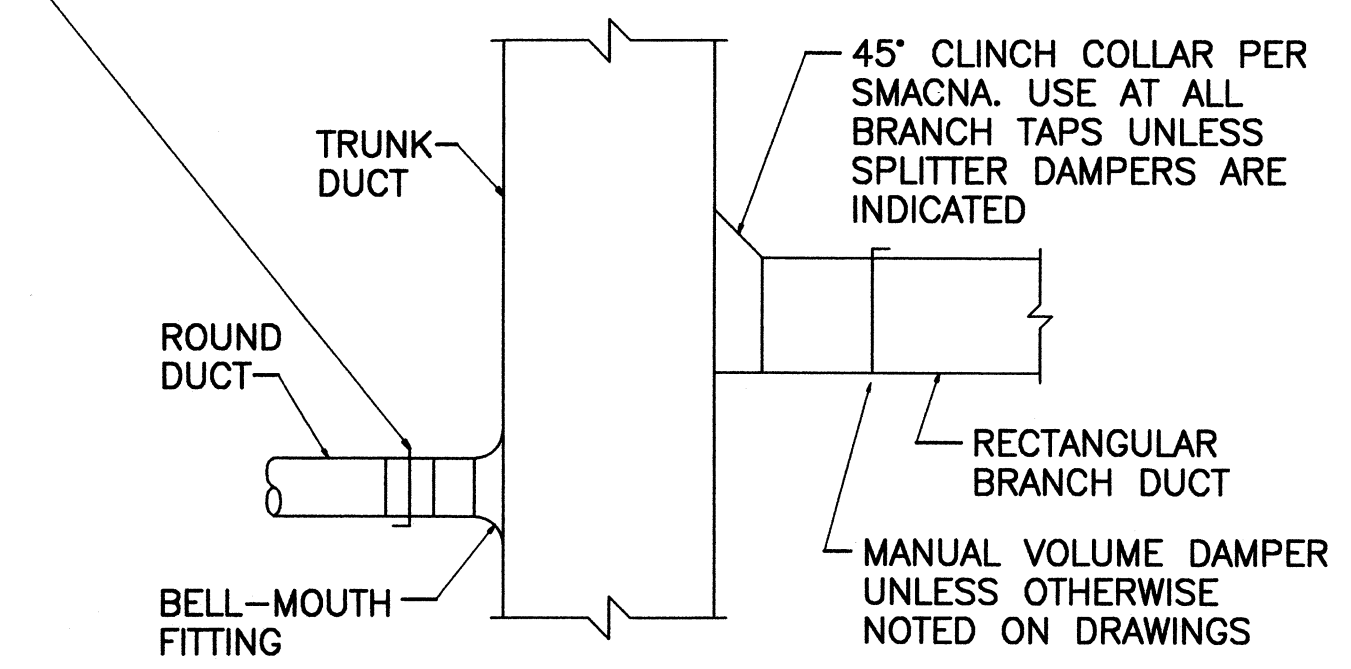


2 TYPICAL DIFFUSER MOUNTING
M-03M-03 NOT TO SCALE



NOTE:
DAMPERS SHALL BE PROVIDED IN ALL BRANCH RUN-OUTS TO DIFFUSERS, GRILLES AND REGISTERS UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS. DAMPERS ABOVE INACCESSIBLE CLG. SHALL BE COORDINATED WITH ACCESS DOORS. IF DAMPERS OCCUR IN AREAS NOT ACCESSIBLE FROM ACCESS DOORS PROVIDE OPERATOR ROD AND CLG. REGULATOR WITH GASKET AND SEALED CEILING PENETRATION.

PROVIDE MANUAL OPPOSED BLADE VOLUME DAMPER IN BRANCH LINE UNLESS OTHERWISE NOTED ON DRAWINGS. DAMPERS SHALL BE INSTALLED IN ACCESSIBLE LOCATION NEAR TRUNK DUCT AND MINIMUM OF 5'-0" FROM ANY AIR INLET OR OUTLET DEVICE. COORDINATE WITH ACCESS DOORS IN NON-ACCESSIBLE CLGS.



3 BRANCH DUCT TAP DETAIL
M-03M-03 NOT TO SCALE

EXHAUST FAN SCHEDULE								
MARK	TYPE	CFM	ESP	HP	RPM	POWER	DRIVE	REMARKS
EF1	CEILING, EXHAUST	150	0.125"	1/40	1050	120/1/60	DIRECT	NOTES 1,2
EF2	CEILING, EXHAUST	75	0.125"	1/40	1050	120/1/60	DIRECT	NOTES 1,2
EF3	CEILING, EXHAUST	150	0.125"	1/40	1050	120/1/60	DIRECT	NOTES 1,2

NOTE 1: PROVIDE GRAVITY BACKDRAFT DAMPER.
NOTE 2: PROVIDE A RAIN CAP.

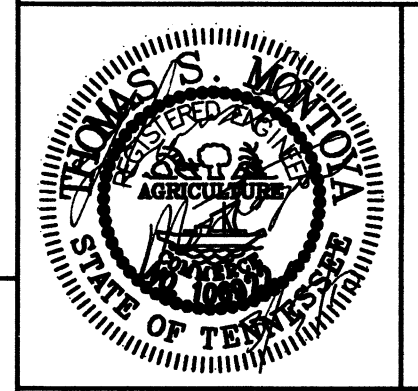
GRILLE, REGISTER AND DIFFUSER SCHEDULE												
MARK	TYPE	USE			MTG	PANEL SIZE	NECK SIZE	MAX FPM	MAX PD	DAMPER	FINISH	PATTERN
		S	R	E								
SA-1	GRILLE	X			DUCT	10"x8"	SEE PLAN	450	.07"	---	OFFWHITE	SEE PLAN
SA-2	GRILLE	X			DUCT	6"x6"	SEE PLAN	450	.07"	---	OFFWHITE	SEE PLAN
SA-3	PERF	X			CEILING	18"x18"	SEE PLAN	450	.07"	---	OFFWHITE	SEE PLAN
SA-4	PERF	X			CEILING	24"x24"	SEE PLAN	450	.07"	---	OFFWHITE	SEE PLAN
RA-1	GRILLE		X		DUCT	6"x6"	SEE PLAN	500	.07"	---	OFFWHITE	SEE PLAN
RA-2	PERF		X		CEILING	24"x24"	SEE PLAN	500	.07"	---	OFFWHITE	SEE PLAN
EA-1	PER. FACE			X	CEILING	12"x12"	SEE PLAN	500	.07"	---	OFFWHITE	SEE PLAN

HEAT PUMP SCHEDULE												
MARK	COOLING			HEATING			ELECTRICAL			MIN. CIRCUIT AMPACITY	MAX. FUSE SIZE	REMARKS
	AMBIENT	MBH	EER	AMBIENT	MBH	COP	COMP. FLA	FAN FLA	VOLTS/PHASE			
HP-1	95°	45.5	13.0	47°	50.8	3.10	12.0	0.9	208	1	16.0	25
HP-2	95°	34.7	13.0	47°	41.5	3.10	12.0	0.9	208	1	11	20
HP-3	95°	71.2	13.0	47°	82.1	3.10	12.0	0.9	208	1	31.1	40

AIR HANDLER UNIT SCHEDULE																		
MARK	TYPE	FAN AND MOTOR					COOLING				AUX. HEATING			ELECTRICAL			REMARKS	
		CFM	O.A.	ESP	HP	V	∅	TMBH	SMBH	EAT (DB/WB)	LAT	APD	KW	MBH	VAC	V/∅/HZ		MCA
AHU-1	VERTICAL	1600	170	.70"	1/4	208	1	45.5	37.9	82°/67°	60°	.20"	15.36	45	208	208/3/60	52	60
AHU-2	VERTICAL	1200	140	.70"	1/4	208	1	34.7	27.0	76.5°/65°	60°	.20"	15.36	45	208	208/3/60	50	60
AHU-3	HORIZONTAL	3000	140	.65"	1/4	208	1	71.2	62.0	79°/62°	60°	.20"	19.2	56	208	208/3/60	96.3	100

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CONSULTANTS
THE JOHNSON-McADAMS FIRM
GREENWOOD, MISSISSIPPI
662-455-4943



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CIVIL ENGINEERING UNIT
CLEVELAND



USCG. CEU CLEVELAND
1240 EAST 9TH STREET
CLEVELAND, OH 44199-2060

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO:
CAD FILE NAME: C7648M03
DESIGNED BY: TSM
DRAWN BY: TSM
EDITED BY: TSM
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE
REPLACE PUBLIC WORKS SHOP
CG SECTOR NORTH CAROLINA
ATLANTIC BEACH NORTH CAROLINA
PUBLIC WORKS SHOP
MECHANICAL
MECHANICAL SCHEDULES

REVIEWED BY: L. L. HERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G. S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. HEALY, CAPT APPROVING OFFICER		02/01/10 DATE

PROJECT NUMBER 05-C05124	DRAWING NUMBER 7648-D
DISCIPLINE/SHT NO M-03	SHEET 20 OF 28

CONSULTANTS
THE JOHNSON-McADAMS FIRM
GREENWOOD, MISSISSIPPI
662-455-4943



U. S. COAST GUARD
CIVIL ENGINEERING UNIT
CLEVELAND



USCG. CEU CLEVELAND
1240 EAST 9TH STREET
CLEVELAND, OH 44199-2060

MARK	DATE	DESCRIPTION

A/E PROJECT NO:
CAD FILE NAME: C7648P01
DESIGNED BY: TSM
DRAWN BY: TSM
EDITED BY: TSM
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE
**REPLACE PUBLIC WORKS SHOP
CG SECTOR NORTH CAROLINA
ATLANTIC BEACH NORTH CAROLINA
PUBLIC WORKS SHOP
ELECTRICAL
FLOOR PLAN PLUMBING**

REVIEWED BY: L. HERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. HEALY, CAPT		02/01/10
APPROVING OFFICER		DATE

PROJECT NUMBER 05-C05124	DRAWING NUMBER 7648-D
DISCIPLINE/SHT NO P-01	SHEET 21 OF 28

GENERAL NOTES

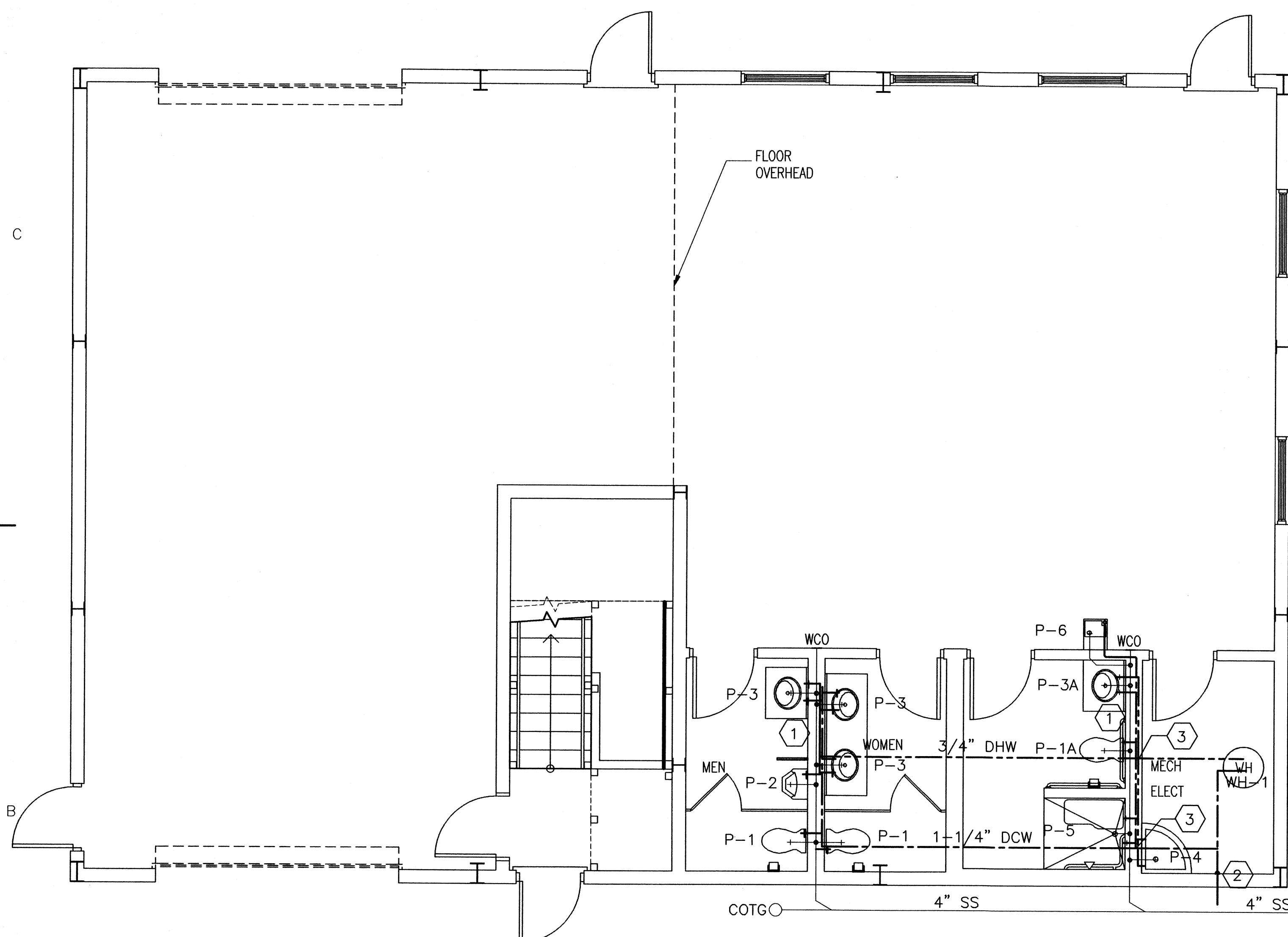
- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF MECHANICAL, GAS, PLUMBING, AND ELECTRICAL CODES FOR THE AUTHORITIES HAVING JURISDICTION.
- ENGINEERING DRAWINGS ARE DIAGRAMMATIC, AND WHILE THE ENGINEER HAS MADE A CONCERTED EFFORT TO ARRANGE AND LAYOUT EQUIPMENT AND PIPING IN A NON CONFLICTIVE MANNER, THE FINAL RESPONSIBILITY OF COORDINATION OF VARIOUS TRADES IS THAT OF THE CONTRACTOR.
- CONTRACTOR SHALL NOT FABRICATE ANY DUCTWORK NOR INSTALL ANY EQUIPMENT PRIOR TO VERIFICATION OF CLEARANCES, REVIEWING ARCHITECTURAL, STRUCTURAL, PLUMBING, DRAWINGS. CONTRACTOR SHALL INSPECT EXISTING CONDITIONS TO VERIFY THAT NO FIELD CHANGES HAVE OCCURED THAT MAY EFFECT WORK. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF ANY WORK.

KEYED NOTES:

- PROVIDE NEW SANITARY SEWER PIPING AS INDICATED. PROVIDE NEW WASTE VENT AS INDICATED. CONNECT TO LIFT STATION.
- PROVIDE 1-1/4" DCW LINE TO BUILDING. ROUTE AS INDICATED IN BUILDING. SEE CIVIL SHEET FOR CONTINUATION
- ROUTE 3/4" DHW AND 1-1/4" DCW DOWN

PLUMBING SYMBOL LEGEND

- DOMESTIC COLD WATER PIPING
- DOMESTIC HOT WATER PIPING
- SANITARY DRAIN PIPING
- SANITARY VENT PIPING
- ⌋ PIPING ELBOW TURNED DOWN
- ⊖ PIPING DROP DOWN
- CO FLOOR CLEANOUT
- FD FLOOR DRAIN
- WCO WALL CLEANOUT
- COTG CLEANOUT THRU GRADE



1 PLUMBING FLOOR PLAN
P-01/P-01 SCALE: 1/4"=1'

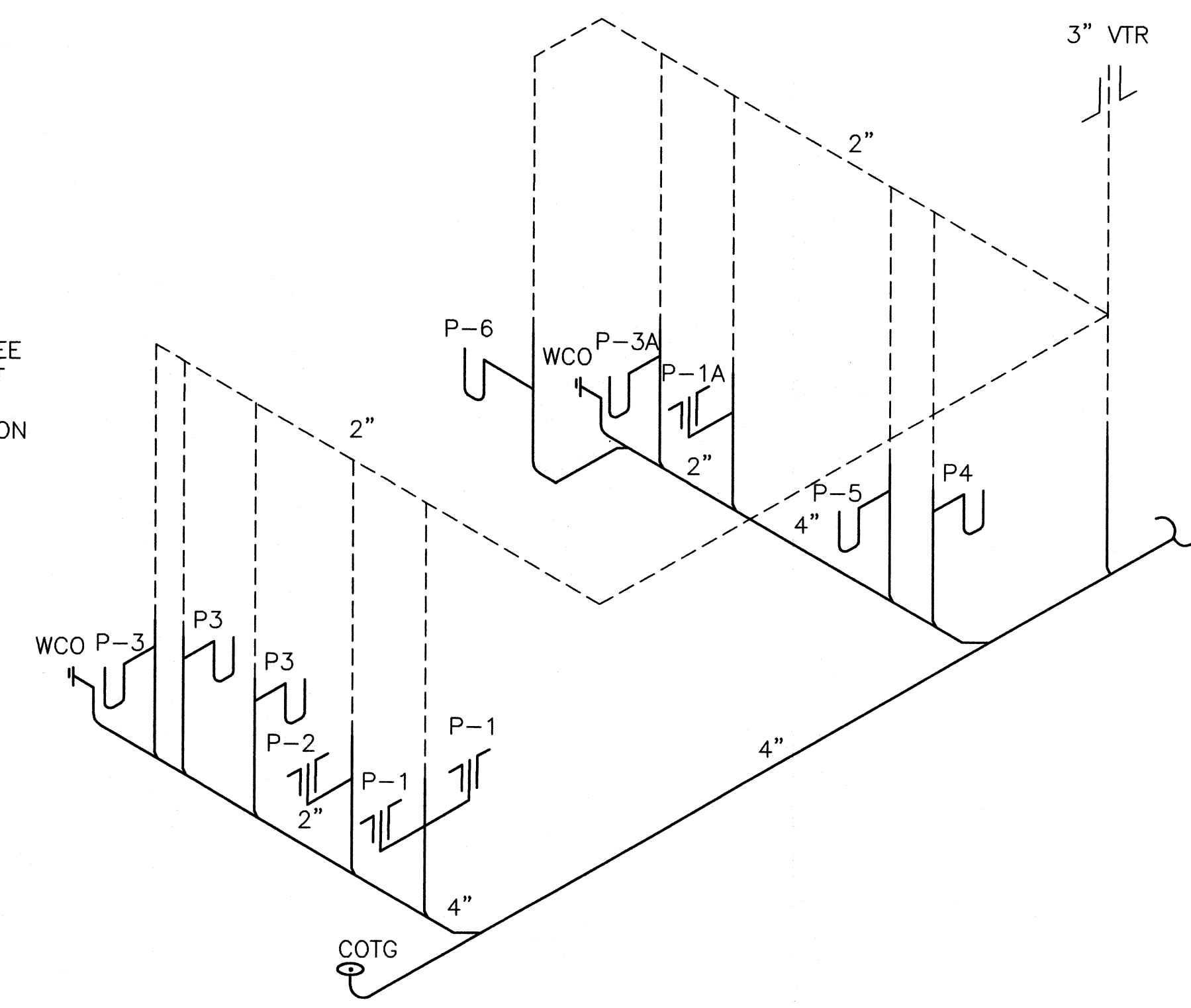
HOT WATER HEATER

MARK	TYPE	STORAGE CAPACITY	WATTAGE	POWER	REMARKS
WH-1	ELECTRIC	40 GALLONS	3 KW	208/1/60	NOTE 1,2,3.

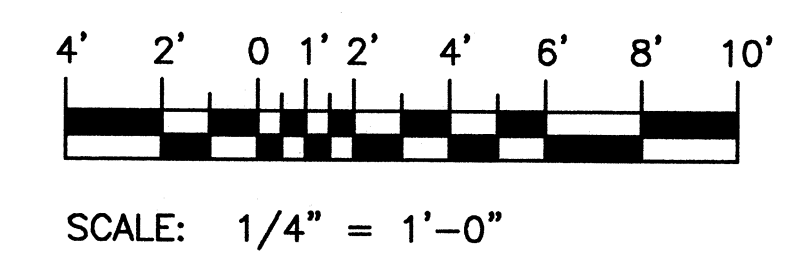
- PROVIDE T&P RELIEF VALVE. ROUTE T&P DISCHARGE THROUGH EXTERIOR WALL. TURN DOWN AND TERMINATE 6" ABOVE GRADE.
- LEAVING WATER TEMPERATURE SHALL BE SET FOR 105 DEGREES F.
- TWO ELEMENTS, 3 KW PER ELEMENT.

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	CW	HW	WASTE	INDIRECT WASTE	VENT	REMARKS
P-1	WATER CLOSET	1-1/4"	-	4"	-	2"	FLUSH VALVE WALL MOUNTED
P-1A	HANDICAP WATER CLOSET	1-1/4"	-	4"	-	2"	FLUSH VALVE WALL MOUNTED
P-2	URINAL	3/4"	-	2"	-	2"	FLUSH VALVE WALL MOUNTED
P-3	LAVATORY	1/2"	1/2"	2"	-	2"	WALL MOUNTED
P-3A	HANDICAP LAVATORY	1/2"	1/2"	2"	-	2"	WALL MOUNTED
P-4	MOP BASIN	3/4"	3/4"	2"	-	2"	-
P-5	SHOWER	3/4"	3/4"	2"	-	2"	-
P-6	ELECTRIC DRINKING FOUNTAIN	3/4"	3/4"	2"	-	2"	-
COTG	CLEAN OUT THRU GRADE	-	-	-	-	-	-
WCO	CLEAN OUT THRU WALL	-	-	-	-	-	-



2 WASTE/VENT RISER DIAGRAM
P-01/P-01 SCALE: 1/4"=1'

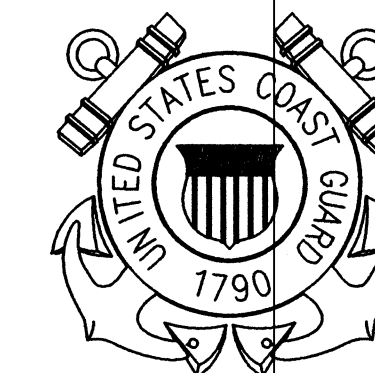


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U. S. COAST GUARD
CIVIL ENGINEERING UNIT
CLEVELAND



USCG. CEU CLEVELAND
1240 EAST 9TH STREET
CLEVELAND, OH 44199-2060

ISSUE

MARK	DATE	DESCRIPTION

A/E PROJECT NO:

CAD FILE NAME: C7648E01
DESIGNED BY: TSM
DRAWN BY: JNP
EDITED BY: JNP
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE

REPLACE PUBLIC WORKS SHOP
CG SECTOR NORTH CAROLINA
ATLANTIC BEACH NORTH CAROLINA
PUBLIC WORKS SHOP
ELECTRICAL
FLOOR PLAN POWER

REVIEWED BY: L. HERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

J. A. HEALY, CAPT
APPROVING OFFICER
02/01/10
DATE

PROJECT NUMBER DRAWING NUMBER

05-C05124 7648-D

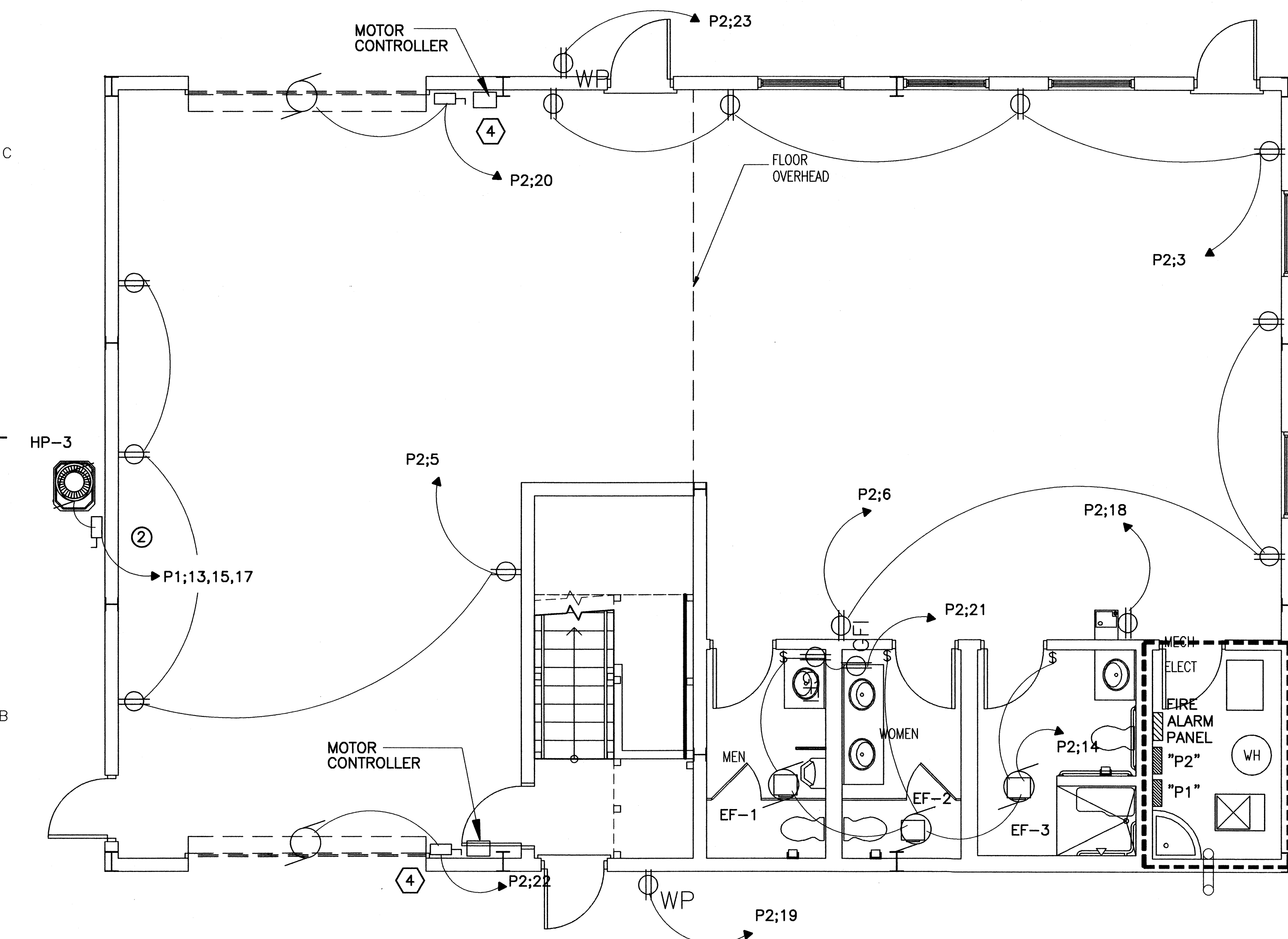
DISCIPLINE/SHT NO SHEET 22 OF 28
E-01

GENERAL NOTES:

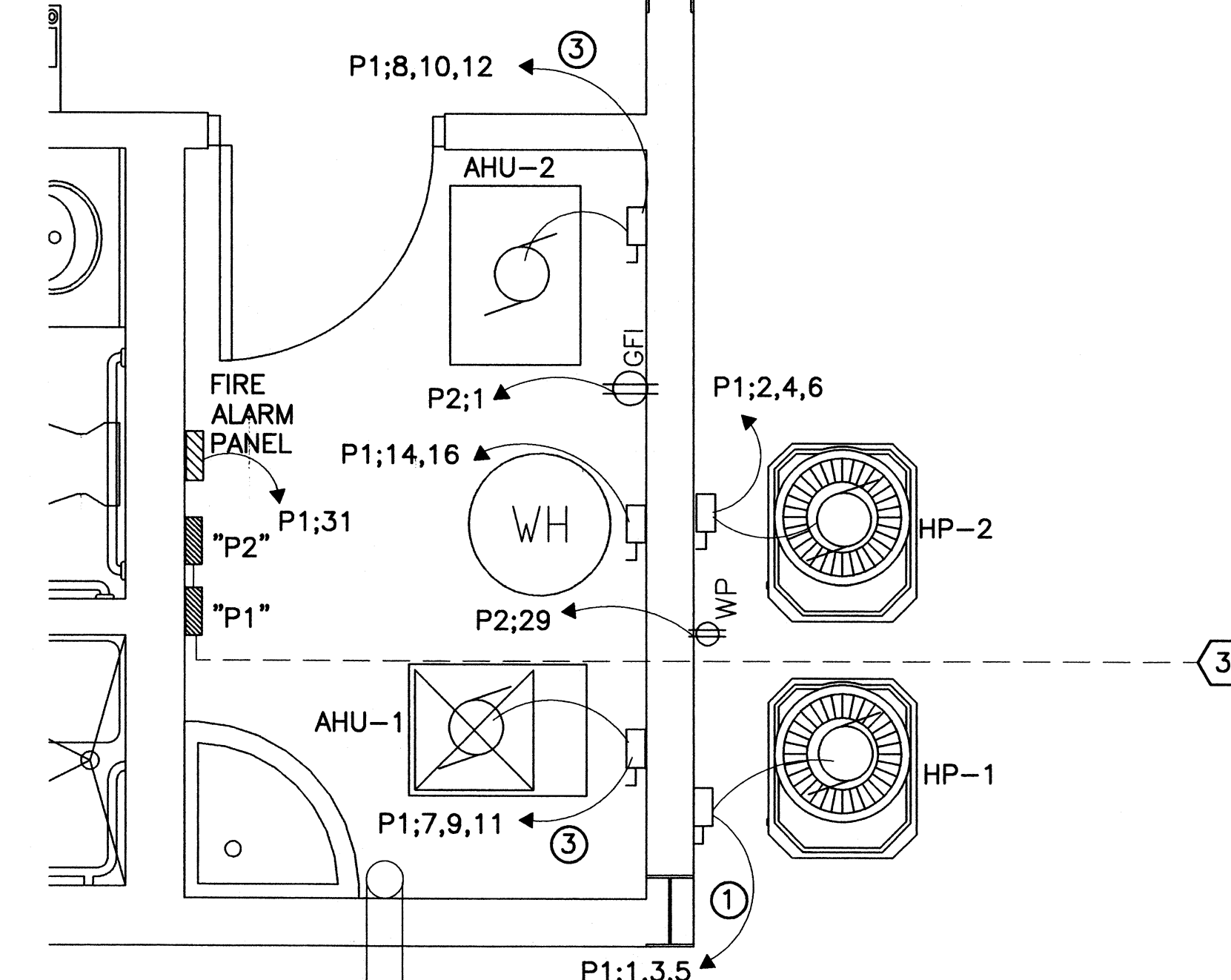
- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF MECHANICAL, GAS, PLUMBING, AND ELECTRICAL CODES FOR THE AUTHORITIES HAVING JURISDICTION.
- ENGINEERING DRAWINGS ARE DIAGRAMMATIC, AND WHILE THE ENGINEER HAS MADE A CONCERTED EFFORT TO ARRANGE AND LAYOUT EQUIPMENT, LIGHTS, RECEPTACLES, AND CONDUIT RUNS IN A NON CONFLICTIVE MANNER, THE FINAL RESPONSIBILITY OF COORDINATION OF VARIOUS TRADES IS THAT OF THE CONTRACTOR'S.
- ALL CIRCUITS, UNLESS NOTED OTHERWISE, SHALL BE 20 AMPS. PROVIDE (2) #12, (1) #12 GROUND IN 3/4" CONDUIT.

KEYED NOTES:

- PROVIDE 1" STUB-UP ABOVE CEILING. CABLE BY OTHERS.
- J-BOXES USED TO POWER OFFICE FURNITURE. TYP OF 2
- 2 RUNS OF (4) #3/0 IN 2" CONDUIT ROUTED FROM ATON BUILDING UNDERGROUND TO ELECTRICAL/MECHANICAL ROOM.
- COORDINATE ELECTRICAL FOR THE DOOR WITH THE DOOR MOTOR MANUFACTURER.



SEE MECH. RM ENLARGEMENT THIS SHEET FOR POWER IN THIS AREA.



(2) 4" PVC CONDUIT FOR DATA VOICE STUB-UP

1 FIRST FLOOR-B POWER
E-01E-01 SCALE: 1/4"=1'

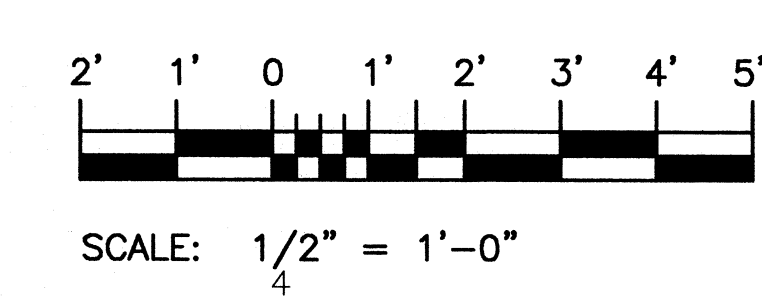
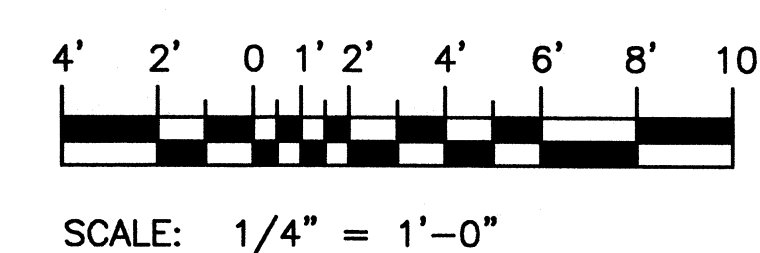
CABLE LEGEND

- (3) #10, (1) #10 GROUND IN 3/4" CONDUIT
- (3) #8, (1) #10 GROUND IN 1" CONDUIT
- (3) #6, (1) #10 GROUND IN 1-1/2" CONDUIT
- (3) #3, (1) #8 GROUND IN 1-1/2" CONDUIT

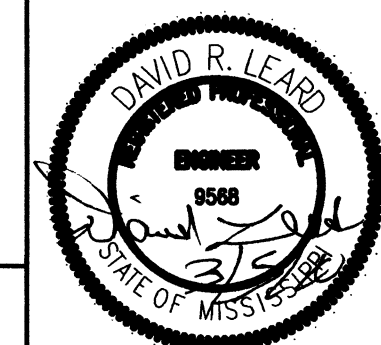
ELECTRICAL SYMBOL LEGEND

- WALL MOUNTED EXIT SIGN LIGHT
- 2x4 LIGHT FIXTURE
- EMERGENCY BATTERY BACK-UP FIXTURE
- MOTOR
- ELECTRICAL PANELBOARD
- DUPLEX RECEPTACLE
- GFI RECEPTACLE MOUNT AT 44" A.F.F. UNLESS NOTED OTHERWISE
- THREE SWITCH
- DISCONNECT SWITCH
- HOME RUN CIRCUIT TO ELECTRICAL PANEL
- OCCUPANCY SENSOR

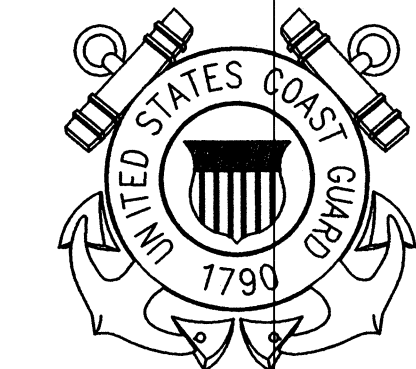
2 MECH RM ENLARGEMENT
E-01E-01 SCALE: 1/2"=1'



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U. S. COAST GUARD
CIVIL ENGINEERING UNIT
CLEVELAND



USCG. CEU CLEVELAND
1240 EAST 9TH STREET
CLEVELAND, OH 44199-2060

MARK	DATE	DESCRIPTION

A/E PROJECT NO:
CAD FILE NAME: C7648ED2
DESIGNED BY: TSM
DRAWN BY: JNP
EDITED BY: JNP
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE
REPLACE PUBLIC WORKS SHOP
CG SECTOR NORTH CAROLINA
ATLANTIC BEACH NORTH CAROLINA
PUBLIC WORKS SHOP
ELECTRICAL
FLOOR PLAN POWER

REVIEWED BY: L. L. HERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG. BRANCH CHIEF J. A. HEALY, CAPT		TECH. DIRECTOR
APPROVING OFFICER		DATE 02/01/10

PROJECT NUMBER 05-C05124	DRAWING NUMBER 7648-D
DISCIPLINE/SHT NO E-02	SHEET 23 OF 28

GENERAL NOTES:

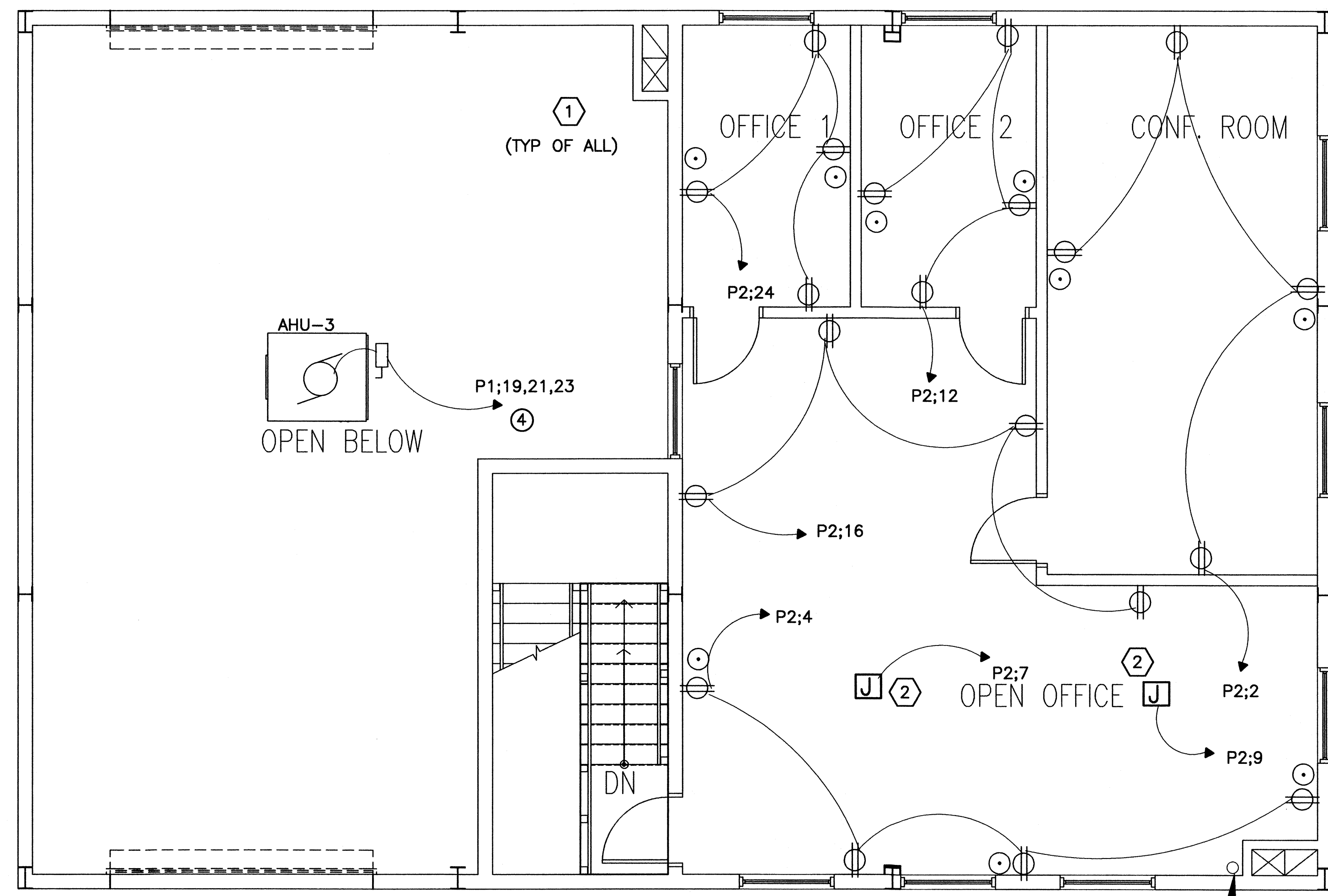
- A. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF MECHANICAL, GAS, PLUMBING, AND ELECTRICAL CODES FOR THE AUTHORITIES HAVING JURISDICTION.
- B. ENGINEERING DRAWINGS ARE DIAGRAMMATIC, AND WHILE THE ENGINEER HAS MADE A CONCERTED EFFORT TO ARRANGE AND LAYOUT EQUIPMENT, LIGHTS, RECEPTACLES, AND CONDUIT RUNS IN A NON CONFLICTIVE MANNER, THE FINAL RESPONSIBILITY OF COORDINATION OF VARIOUS TRADES IS THAT OF THE CONTRACTOR'S.
- C. ALL CIRCUITS, UNLESS NOTED OTHERWISE, SHALL BE 20 AMPS. PROVIDE (2) #12, (1) #12 GROUND IN 3/4" CONDUIT.

KEYED NOTES:

- ① PROVIDE 1" STUB-UP ABOVE CEILING. CABLE BY OTHERS.
- ② J-BOXES USED TO POWER OFFICE FURNITURE. TYP OF 2

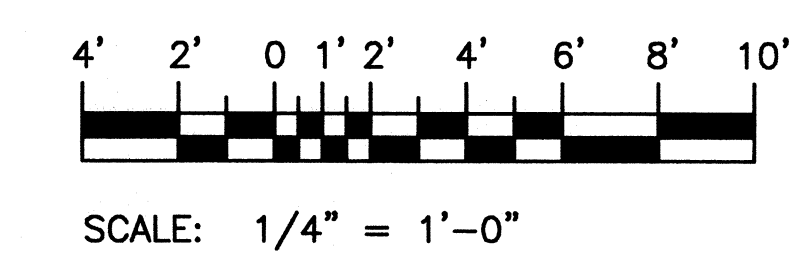
CABLE LEGEND

- ① (3) #3, (1) #8 GROUND IN 1-1/2" CONDUIT

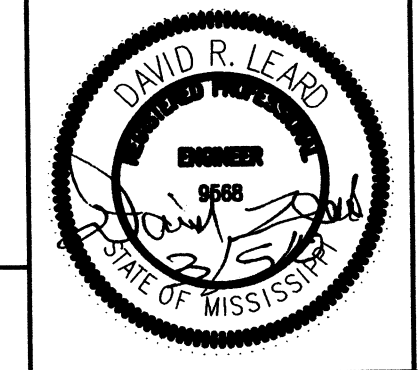


4" PVC CONDUIT FOR DATA AND VOICE STUB-UP FROM FIRST FLOOR. SEAL FOR FIRE RATING.

① SECOND FLOOR-C POWER
E-02E-02 SCALE: 1/4"=1'



CONSULTANTS
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GREENWOOD, MISSISSIPPI
662-455-4943



U. S. COAST GUARD
CIVIL ENGINEERING UNIT
CLEVELAND



USCG. CEU CLEVELAND
1240 EAST 9TH STREET
CLEVELAND, OH 44199-2060

MARK	DATE	DESCRIPTION

ISSUE

A/E PROJECT NO:
CAD FILE NAME: C7648E03
DESIGNED BY: TSM
DRAWN BY: JNP
EDITED BY: JNP
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1
SHEET TITLE

REPLACE PUBLIC WORKS SHOP
CG SECTOR NORTH CAROLINA
ATLANTIC BEACH NORTH CAROLINA
PUBLIC WORKS SHOP
ELECTRICAL
FLOOR PLAN LIGHTING

REVIEWED BY: L. W. HERSEY	REVIEWED BY: B. VANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. HEALY, CAPT APPROVING OFFICER		02/01/10 DATE

PROJECT NUMBER 05-C05124	DRAWING NUMBER 7648-D
DISCIPLINE/SHT NO E-03	SHEET 24 OF 28

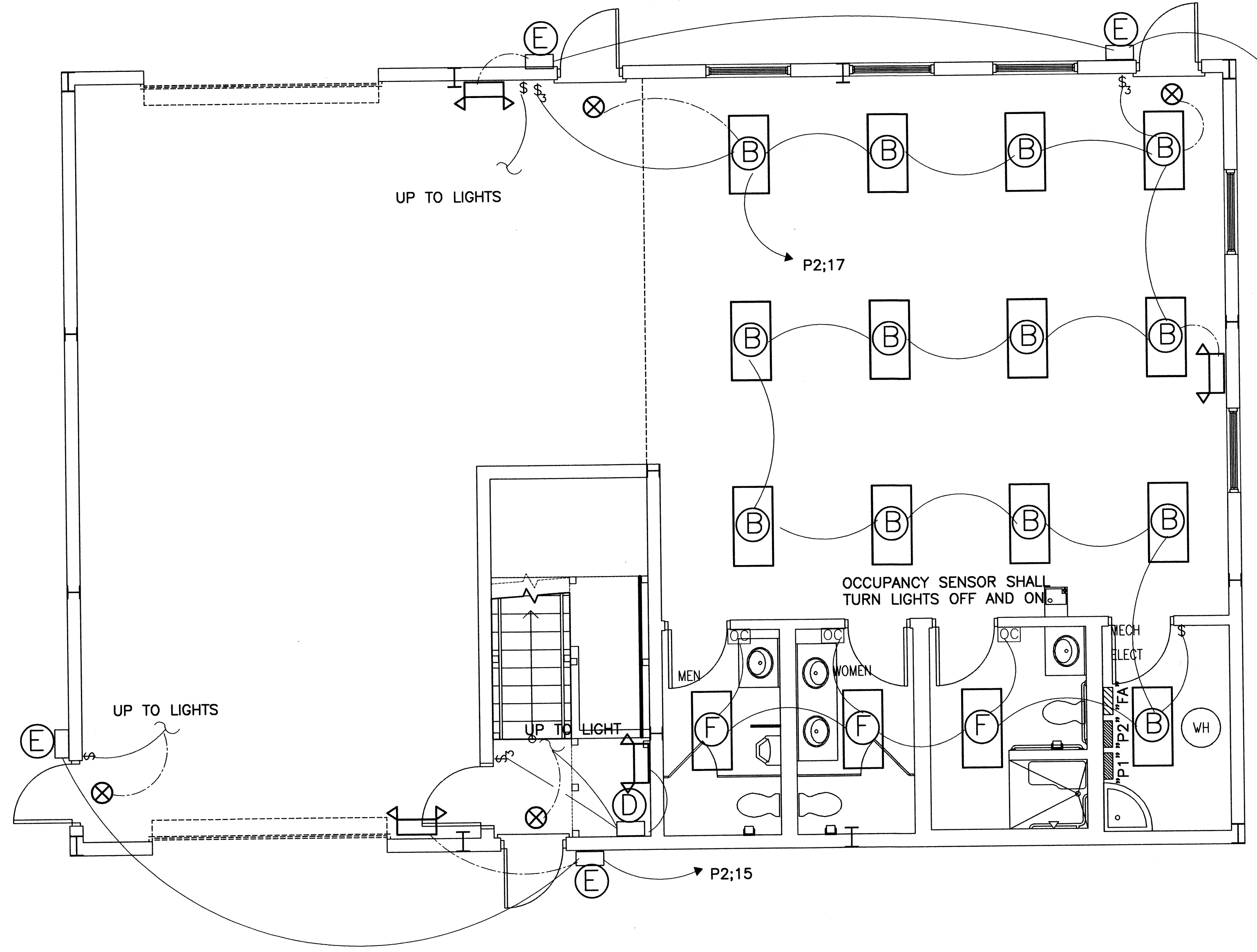
GENERAL NOTES:

- A. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF MECHANICAL, GAS, PLUMBING, AND ELECTRICAL CODES FOR THE AUTHORITIES HAVING JURISDICTION.
- B. ENGINEERING DRAWINGS ARE DIAGRAMMATIC, AND WHILE THE ENGINEER HAS MADE A CONCERTED EFFORT TO ARRANGE AND LAYOUT EQUIPMENT, LIGHTS, RECEPTACLES, AND CONDUIT RUNS IN A NON CONFLICTIVE MANNER, THE FINAL RESPONSIBILITY OF COORDINATION OF VARIOUS TRADES IS THAT OF THE CONTRACTOR'S.
- C. ALL CIRCUITS, UNLESS NOTED OTHERWISE, SHALL BE 20 AMPS. PROVIDE (2) #10, (1) #12 GROUND IN 3/4" CONDUIT.
- D. CONNECT ALL EMERGENCY/ BATTERY BACK-UP LIGHTS BEFORE SWITCHING.

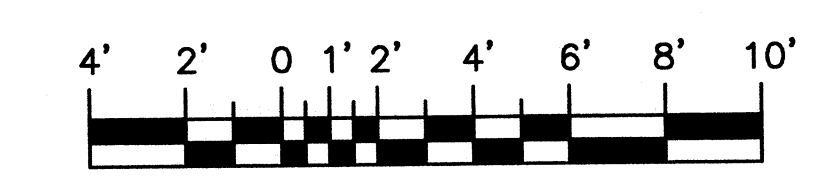
LIGHTING FIXTURE SCHEDULE

MARK	TYPE	LAMPS	VOLTAGE	NOTE(S)
A	LAY-IN FLUORESCENT PARABOLIC, 2'x4'	2 EA. 32W T8	120 VAC	1
B	SURFACE FLUORESCENT TROFFER, 2'x4'	2 EA. 32W T8	120 VAC	1
C	HIGH BAY METAL HALIDE	250W CLEAR BT-28 MH	120 VAC	
D	WALL MOUNTED FLUORESCENT	2 EA. 25W T8	120 VAC	1
E	WALLPACK	100W METAL HALIDE	120 VAC	2
F	LAY-IN FLUORESCENT TROFFER, 2'x4'	2 EA. 32W T8	120 VAC	1
⊗	EXIT LIGHT	L.E.D.	120 VAC	3
☐	EMERGENCY LIGHT	6 WATT HALOGEN	120 VAC	3

NOTE 1: ELECTRONIC BALLAST.
NOTE 2: PROVIDE WITH PHOTOCCELL CONTROL
NOTE 3: ALL EMERGENCY & EXIT LIGHTS TO HAVE NICKEL-CADIUM BATTERY BACK-UP.



1 FIRST FLOOR-B LIGHTING
E-03 SCALE: 1/4"=1'

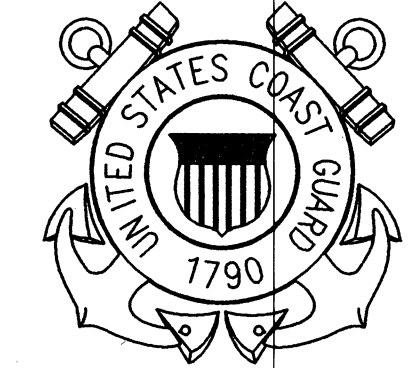


SCALE: 1/4" = 1'-0"

CONSULTANTS
THE JOHNSON-McADAMS FIRM
GREENWOOD, MISSISSIPPI
662-455-4943



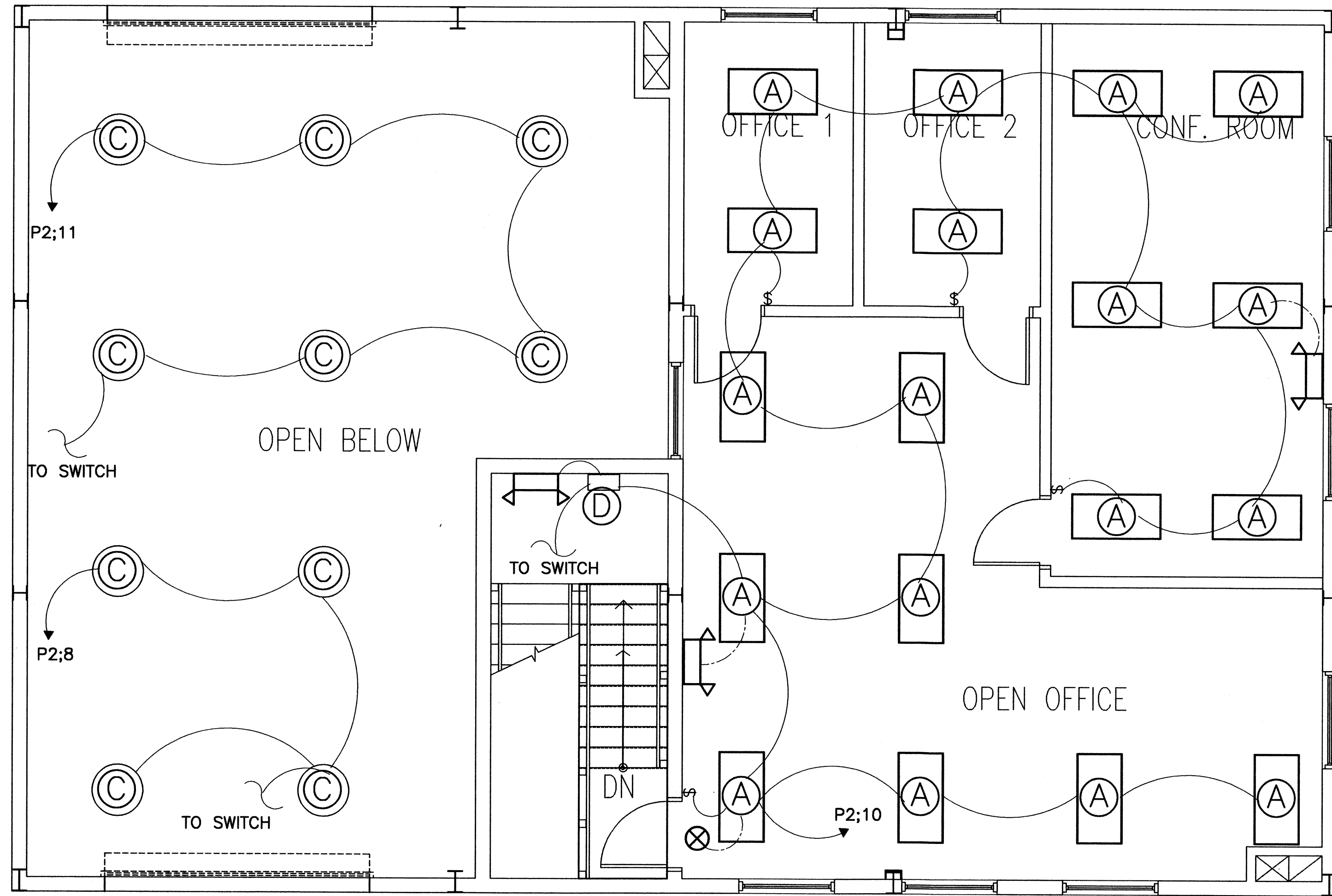
U. S. COAST GUARD
CIVIL ENGINEERING UNIT
CLEVELAND



USCG. CEU CLEVELAND
1240 EAST 9TH STREET
CLEVELAND, OH 44199-2060

ISSUE		
MARK	DATE	DESCRIPTION

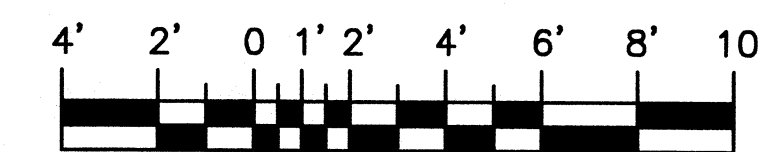
SCALE: AS SHOWN		PLOT SCALE: 1:1	
SHEET TITLE			
REPLACE PUBLIC WORKS SHOP CG SECTOR NORTH CAROLINA ATLANTIC BEACH NORTH CAROLINA PUBLIC WORKS SHOP ELECTRICAL FLOOR PLAN LIGHTING			
REVIEWED BY: <i>L. HERSEY</i> L. HERSEY	REVIEWED BY: <i>B. VRANKAR</i> B. VRANKAR	REVIEWED BY: <i>G.S. PLACZEK</i> G.S. PLACZEK	
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR	
J. A. HEALY, CAPT APPROVING OFFICER		02/01/10 DATE	
PROJECT NUMBER		DRAWING NUMBER	
05-C05124		7648-D	
DISCIPLINE/SHT NO			
E-04		SHEET 25 OF 28	



1 SECOND FLOOR-C LIGHTING
E-04 SCALE: 1/4"=1'

GENERAL NOTES:

- A. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF MECHANICAL, GAS, PLUMBING, AND ELECTRICAL CODES FOR THE AUTHORITIES HAVING JURISDICTION.
- B. ENGINEERING DRAWINGS ARE DIAGRAMMATIC, AND WHILE THE ENGINEER HAS MADE A CONCERTED EFFORT TO ARRANGE AND LAYOUT EQUIPMENT, LIGHTS, RECEPTACLES, AND CONDUIT RUNS IN A NON CONFLICTIVE MANNER, THE FINAL RESPONSIBILITY OF COORDINATION OF VARIOUS TRADES IS THAT OF THE CONTRACTOR'S.
- C. ALL CIRCUITS, UNLESS NOTED OTHERWISE, SHALL BE 20 AMPS. PROVIDE (2) #10, (1) #12 GROUND IN 3/4" CONDUIT.
- D. CONNECT ALL EMERGENCY/ BATTERY BACK-UP LIGHTS BEFORE SWITCHING.



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

CONSULTANTS
THE JOHNSON-McADAMS FIRM
GREENWOOD, MISSISSIPPI
662-455-4943



U. S. COAST GUARD
CIVIL ENGINEERING UNIT
CLEVELAND



USCG, CEU CLEVELAND
1240 EAST 9TH STREET
CLEVELAND, OH 44199-2060

MARK	DATE	DESCRIPTION

A/E PROJECT NO:
CAD FILE NAME: C7848E05
DESIGNED BY: TSM
DRAWN BY: JNP
EDITED BY: JNP
CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE

REPLACE PUBLIC WORKS SHOP
CG SECTOR NORTH CAROLINA
ATLANTIC BEACH NORTH CAROLINA
PUBLIC WORKS SHOP
ELECTRICAL

SINGLE LINE & SCHEDULES

REVIEWED BY: J. A. HEALY	REVIEWED BY: G. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

J. A. Healy J. A. HEALY, CAPT APPROVING OFFICER	02/01/10 DATE
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PROJECT NUMBER	DRAWING NUMBER
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05-C05124	7648-D
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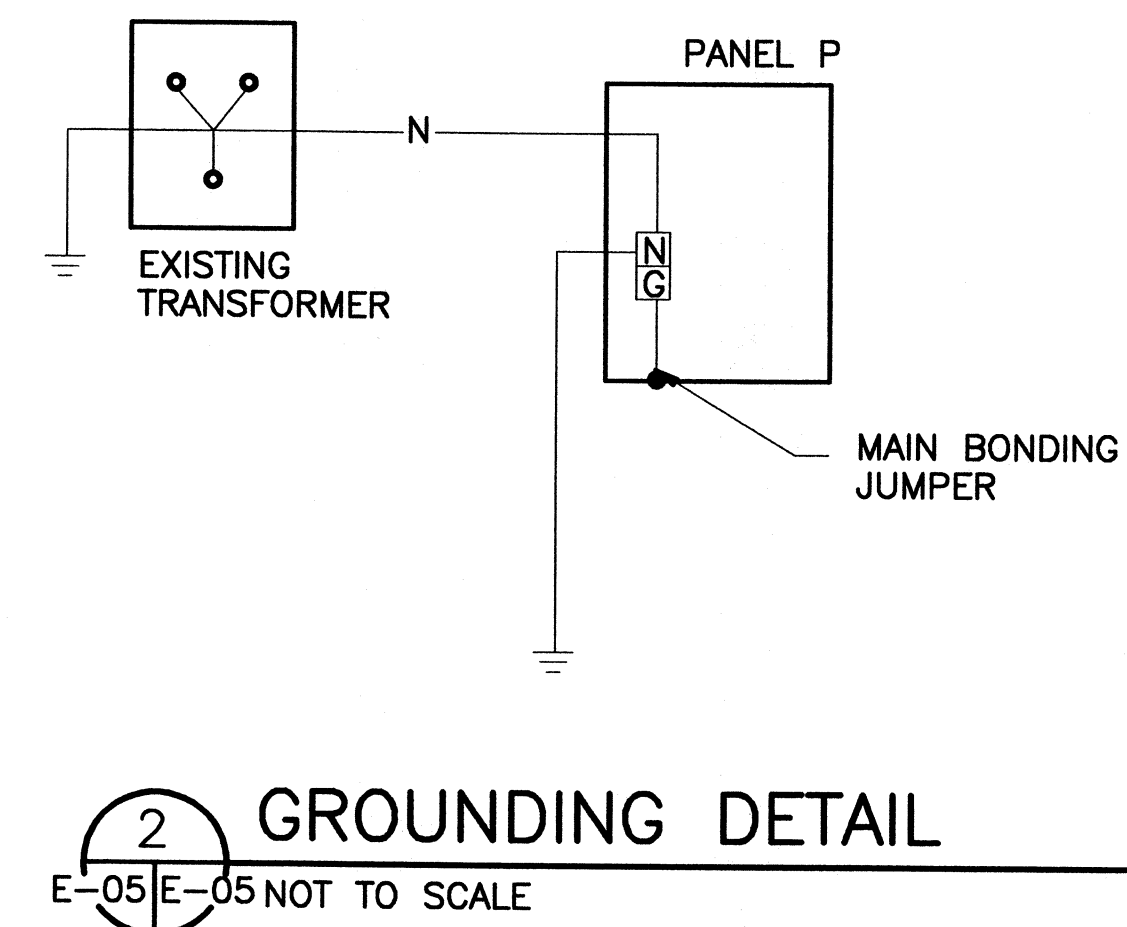
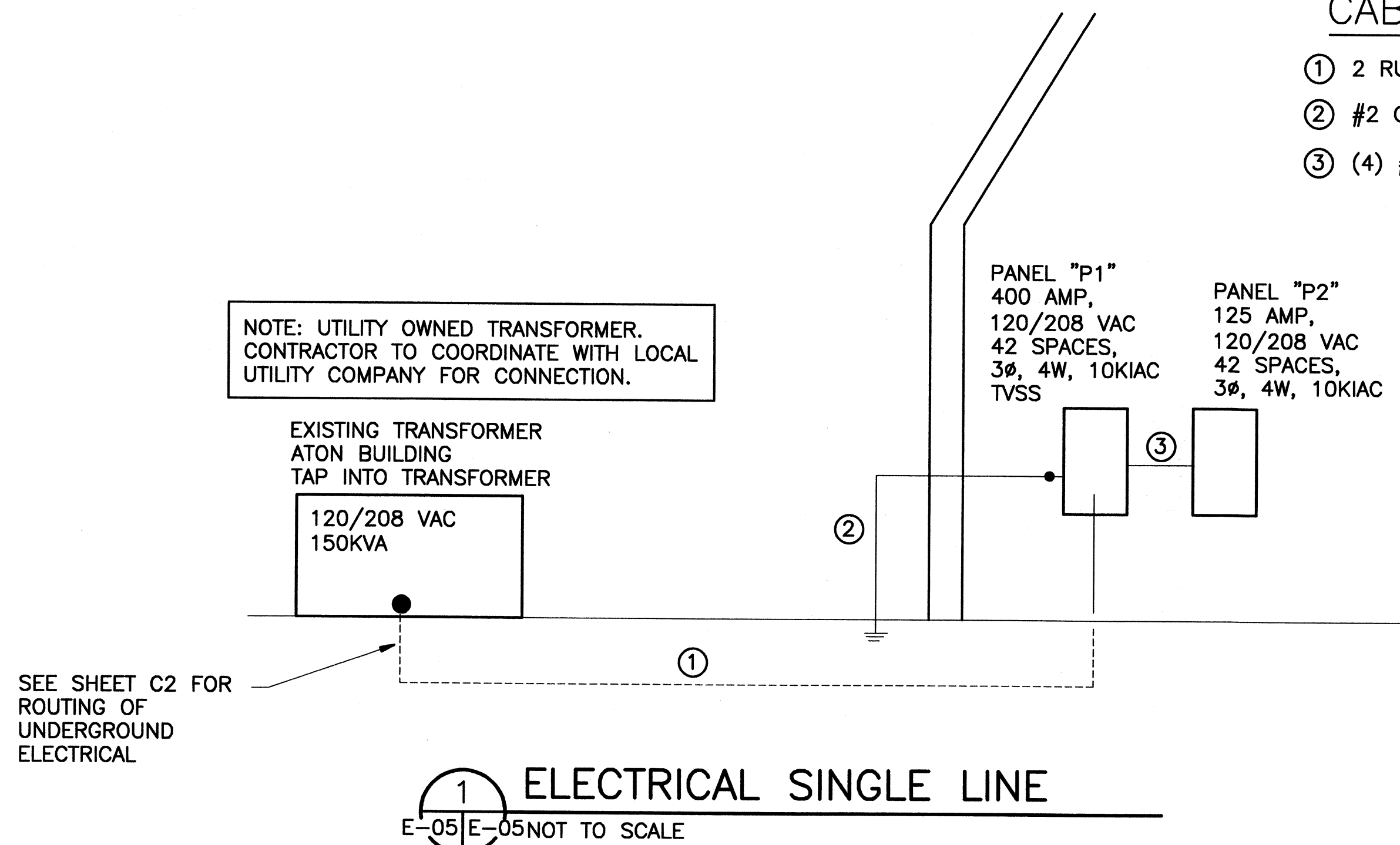
DISCIPLINE/SHT NO E-05	SHEET 26 OF 28
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PANEL: "P1"		120/208 VOLTS, 3 ϕ , 4W 42 SPACES 10,000 AIC BRANCH BREAKERS			400A MAIN COPPER BUS EQUIPMENT GROUNDING BAR			TYPE NQOD NEMA 1 ENCLOSURE SURFACE MOUNTED		
SERVICE	CKT. NO.	CONN. LOAD	BRKR.	PHASE A B C	BRKR.	CONN. LOAD	CKT. NO.	SERVICE		
HP-1	1	1922	25	-	-	1321	2	HP-2		
	3	1922		-	-	1321	4			
	5	1922	3	-	-	1321	6			
AHU-1	7	6245	60	-	-	6005	8	AHU-2		
	9	6245		-	-	6005	10			
	11	6245	3	-	-	6005	12			
HP-3	13	3735	40	-	-	3002	14	DWH-1		
	15	3735		-	-	1729	16			
	17	3735	3	-	-	901	18			
AHU-3	19	11566	100	-	-	901	20	PUMP- LIFT STATION		
	21	11566		-	-	901	22			
	23	11566	3	-	-	901	24			
PANEL "P2"	25	7740	125	-	-	901	26	PUMP- LIFT STATION		
	27	7718		-	-	901	28			
	29	7229	3	-	-	4804	30			
SPARE	31		20/1	-	-	4804	32	TVSS		
SPARE	33		20/1	-	-	4804	34			
SPACE	35			-	-		36	SPACE		
SPACE	37			-	-		38	SPACE		
SPACE	39			-	-		40	SPACE		
SPACE	41			-	-		42	SPACE		
TOTALS		ϕ A	ϕ B	ϕ C	TOTALS					
VA		48141	46846	44628	VA					
AMPS		401.0	390.0	372.0	AMPS					

PANEL: "P2"		120/208 VOLTS, 3 ϕ , 4W 42 SPACES 10,000 AIC BRANCH BREAKERS			125A MAIN COPPER BUS EQUIPMENT GROUNDING BAR			TYPE NQOD NEMA 1 ENCLOSURE SURFACE MOUNTED	
SERVICE	CKT. NO.	CONN. LOAD	BRKR.	PHASE A B C	BRKR.	CONN. LOAD	CKT. NO.	SERVICE	
MECH RM RECEPTACLE	1	180	20/1	-	-	20/1	2	RECEPTACLES	
RECEPTACLES	3	720	20/1	-	-	20/1	4	RECEPTACLES	
RECEPTACLES	5	720	20/1	-	-	20/1	6	RECEPTACLES	
OFFICE FURNITURE J-BOX	7	2400	20/1	-	-	20/1	8	LIGHTS	
OFFICE FURNITURE J-BOX	9	2400	20/1	-	-	20/1	10	LIGHTS	
LIGHTS	11	1500	20/1	-	-	20/1	12	RECEPTACLES	
OUTDOOR LIGHTS	13	240	20/1	-	-	20/1	14	EF-1, EF-2, EF-3	
OUTDOOR LIGHTS	15	240	20/1	-	-	20/1	16	RECEPTACLES	
LIGHTS	17	1229	20/1	-	-	20/1	18	DRINK FOUNTAIN	
OUTSIDE RECEPTACLE	19	180	20/1	-	-	20/1	20	DOOR MOTOR	
GFI RECEPTACLES	21	360	20/1	-	-	20/1	22	DOOR MOTOR	
OUTSIDE RECEPTACLE	23	180	20/1	-	-	20/1	24	RECEPTACLES	
FIRE ALARM PANEL ("FA")	25	1200	20/1	-	-	20/1	26	SPARE	
SPARE	27		20/1	-	-	20/1	28	SPARE	
OUTSIDE RECEPTACLE	29	180	20/1	-	-	20/1	30	REMOTE ANNUNCIATOR	
SPACE	31			-	-		32	SPACE	
SPACE	33			-	-		34	SPACE	
SPACE	35			-	-		36	SPACE	
SPACE	37			-	-		38	SPACE	
SPACE	39			-	-		40	SPACE	
SPACE	41			-	-		42	SPACE	
TOTALS		ϕ A	ϕ B	ϕ C	TOTALS				
VA		7740	7718	7229	VA				
AMPS		65.0	64.0	60.0	AMPS				

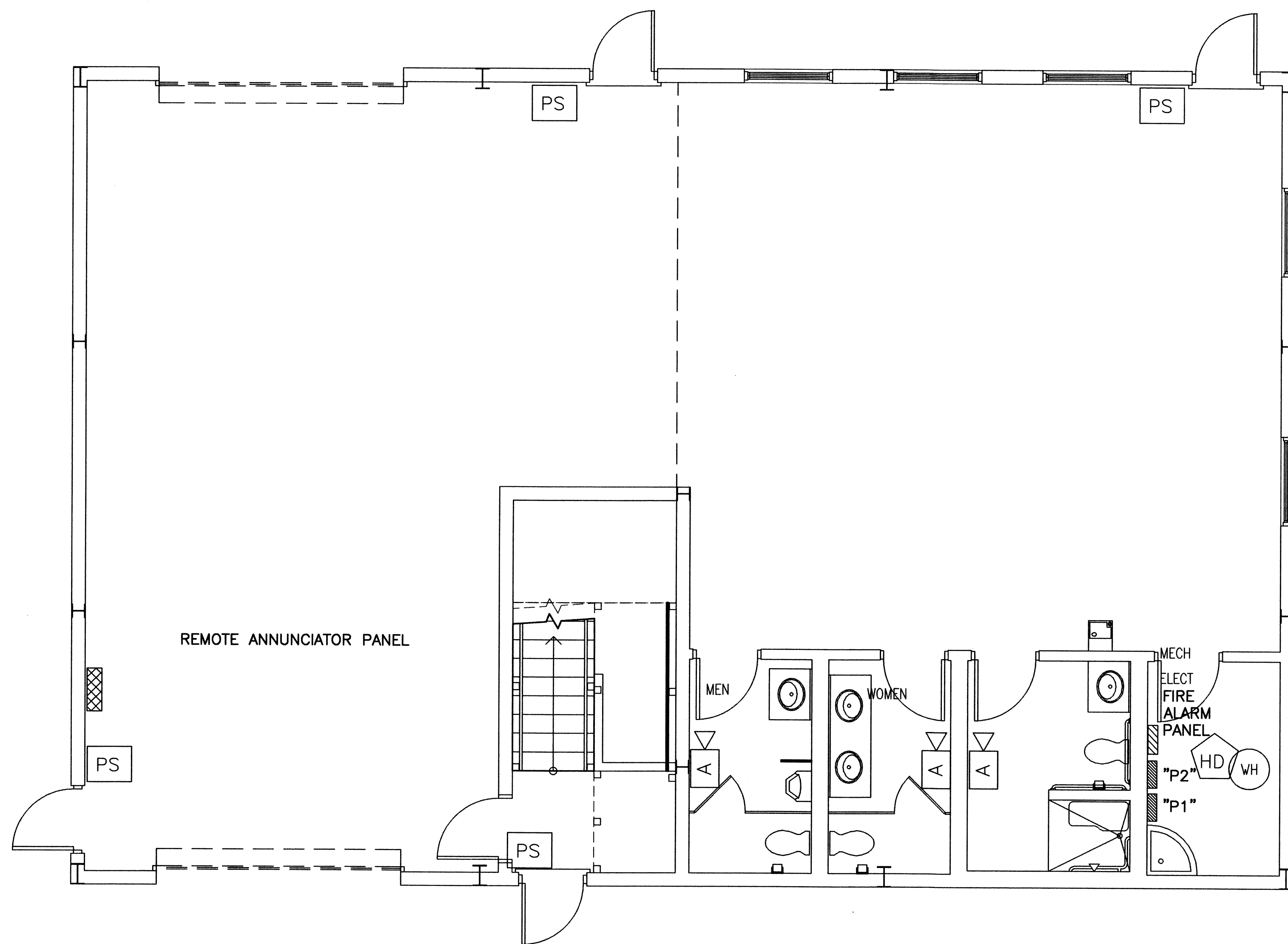
CABLE LEGEND

- ① 2 RUNS OF (4) #4/0 (1) #3 GROUND IN 2" CONDUIT
- ② #2 GROUND
- ③ (4) #1, (1) #6 GROUND IN 2" CONDUIT



GENERAL NOTES:

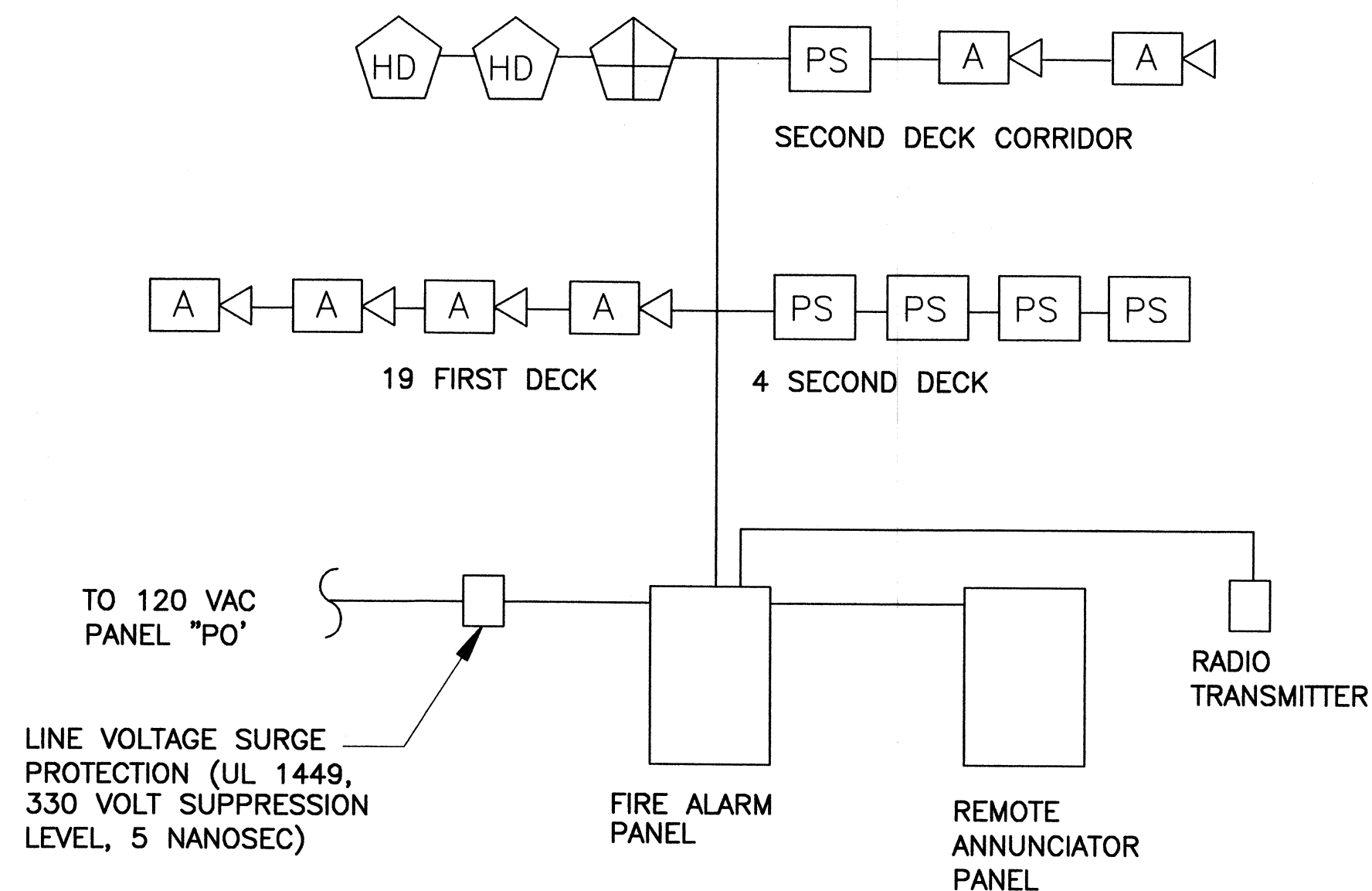
- A. THIS DRAWING IS A SCHEMATIC REPRESENTATION OF THE REQUIRED FIRE ALARM SYSTEM. THE SCHEMATIC REPRESENTS DESIGN INTENT, NOT ACTUAL DESIGN. THE CONTRACTOR SHALL PROVIDE A COMPLETE DESIGN.
- B. THE DESIGN SHALL COMPLY TO NFPA 72, AND ALL LOCAL CODES HAVING JURISDICTION.
- C. PROVIDE DUCT SMOKE DETECTORS FOR ALL PACKAGED UNITS. PROVIDE SUPPLY AND RETURN DETECTORS. SMOKE DETECTORS SHALL BE HARD WIRED TO THE PACKAGED UNIT AND FIRE ALARM PANEL. UPON DETECTION OF COMBUSTIBLES, THE SMOKE DETECTOR SHALL SHUT DOWN THE PACKAGED UNIT AND ALARM THE FIRE ALARM.
- D. PROVIDE FIRE ALARM SYSTEM WITH BATTERY BACK UP FOR EMERGENCY POWER SOURCE.



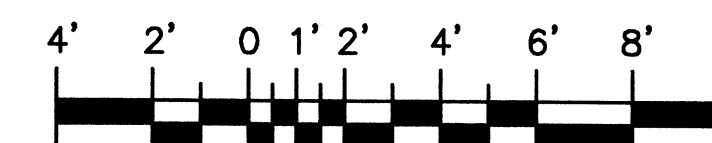
1 FIRST FLOOR-B FIRE ALARM
FP-01/FP-01 SCALE: 1/4"=1'

SYMBOL LEGEND

- PULL STATION
- HEAT DETECTOR
- DUCT SMOKE DETECTOR
- AUDIO VISUAL ANNUNCIATOR
- FIRE ALARM PANEL
- REMOTE PANEL



2 FIRE ALARM RISER
FP-01/FP-01 NOT TO SCALE

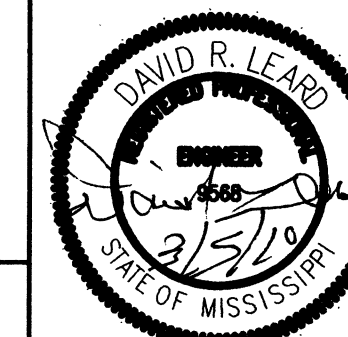


SCALE: 1/4" = 1'-0"

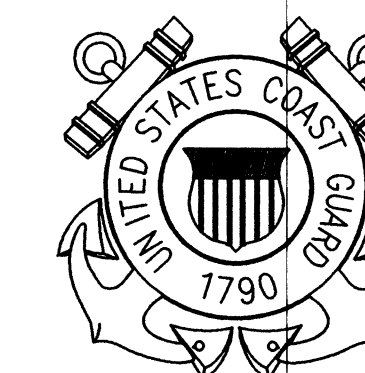
USCG CEU
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(216) 902-6200

CONSULTANTS

THE JOHNSON-McADAMS FIRM
GREENWOOD, MISSISSIPPI
662-455-4943



U. S. COAST GUARD
CIVIL ENGINEERING UNIT
CLEVELAND



USCG. CEU CLEVELAND
1240 EAST 9TH STREET
CLEVELAND, OH 44199-2060

ISSUE

MARK	DATE	DESCRIPTION

A/E PROJECT NO:	
CAD FILE NAME:	C7648FP01
DESIGNED BY:	TSM
DRAWN BY:	JNP
EDITED BY:	JNP
CHECKED BY:	JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE
REPLACE PUBLIC WORKS SHOP
CG SECTOR NORTH CAROLINA
ATLANTIC BEACH NORTH CAROLINA
PUBLIC WORKS SHOP
ELECTRICAL
FLOOR PLAN FIRE ALARM

REVIEWED BY: L. HERSEY	REVIEWED BY: B. VRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

J. A. HEALY, CAPT	02/01/10
APPROVING OFFICER	DATE

PROJECT NUMBER	DRAWING NUMBER
05-C05124	7648-D

DISCIPLINE/SHT NO	SHEET 27 OF 28
FP-01	

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 1240 EAST 9TH STREET
 CLEVELAND, OH 44199-2060

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO:
 CAD FILE NAME: C7648FP02
 DESIGNED BY: TSM
 DRAWN BY: JNP
 EDITED BY: JNP
 CHECKED BY: JGM

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE
 REPLACE PUBLIC WORKS SHOP
 CG SECTOR NORTH CAROLINA
 ATLANTIC BEACH NORTH CAROLINA
 PUBLIC WORKS SHOP
 ELECTRICAL
 FLOOR PLAN FIRE ALARM

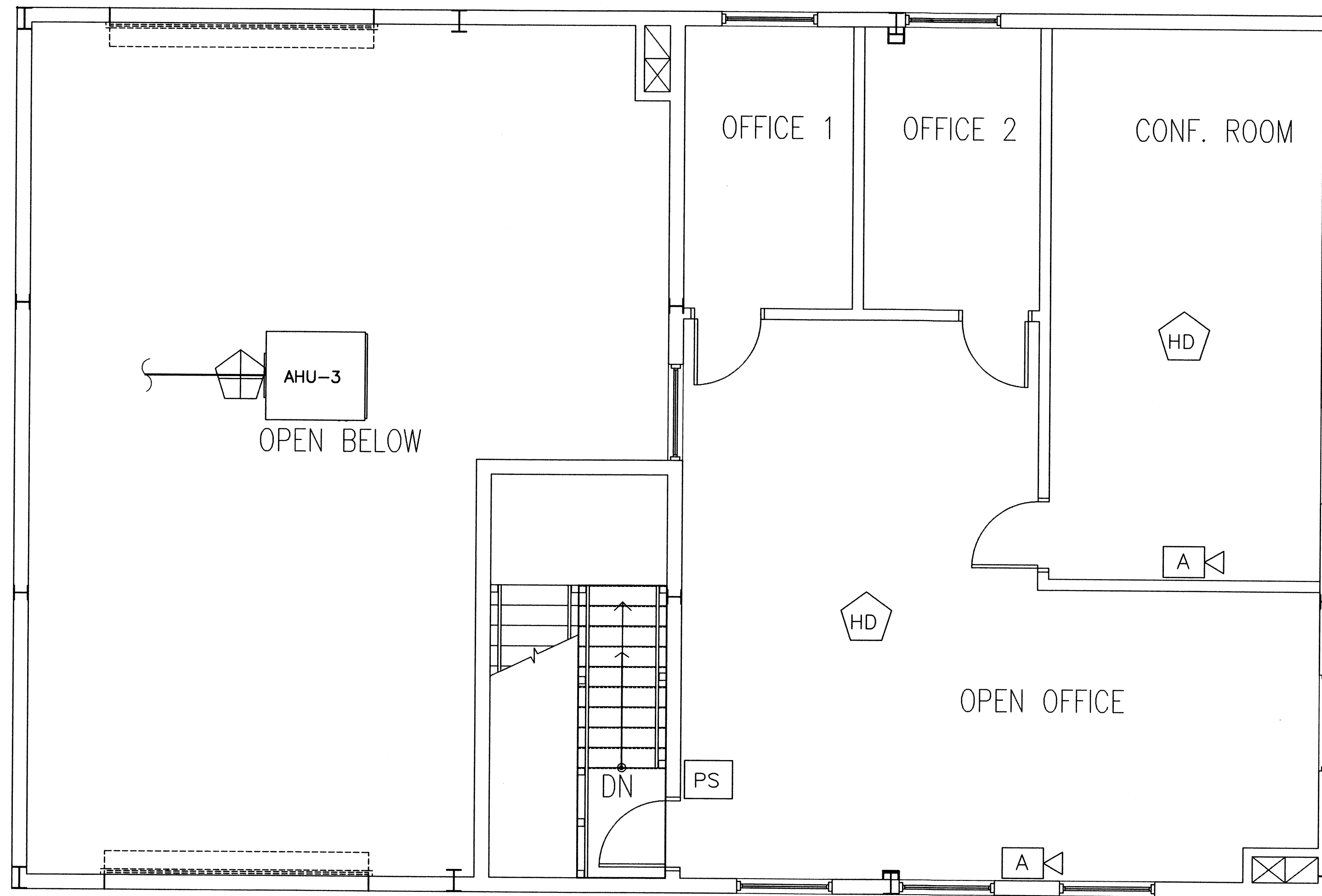
REVIEWED BY: L. HERSEY	REVIEWED BY: B. KRANKAR	REVIEWED BY: G.S. PLACZEK
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
J. A. Healy J. A. HEALY, CAPT		02/01/10
APPROVING OFFICER		DATE

PROJECT NUMBER 05-C05124	DRAWING NUMBER 7648-D
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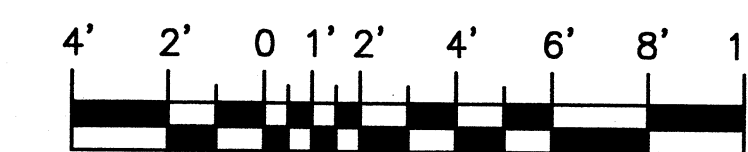
DISCIPLINE/SHT NO FP-02	SHEET 28 OF 28
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- D. PROVIDE FIRE ALARM SYSTEM WITH BATTERY BACK UP FOR EMERGENCY POWER SOURCE.



1 SECOND FLOOR-C FIRE ALARM
 FP-02/FP-02 SCALE: 1/4"=1'



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