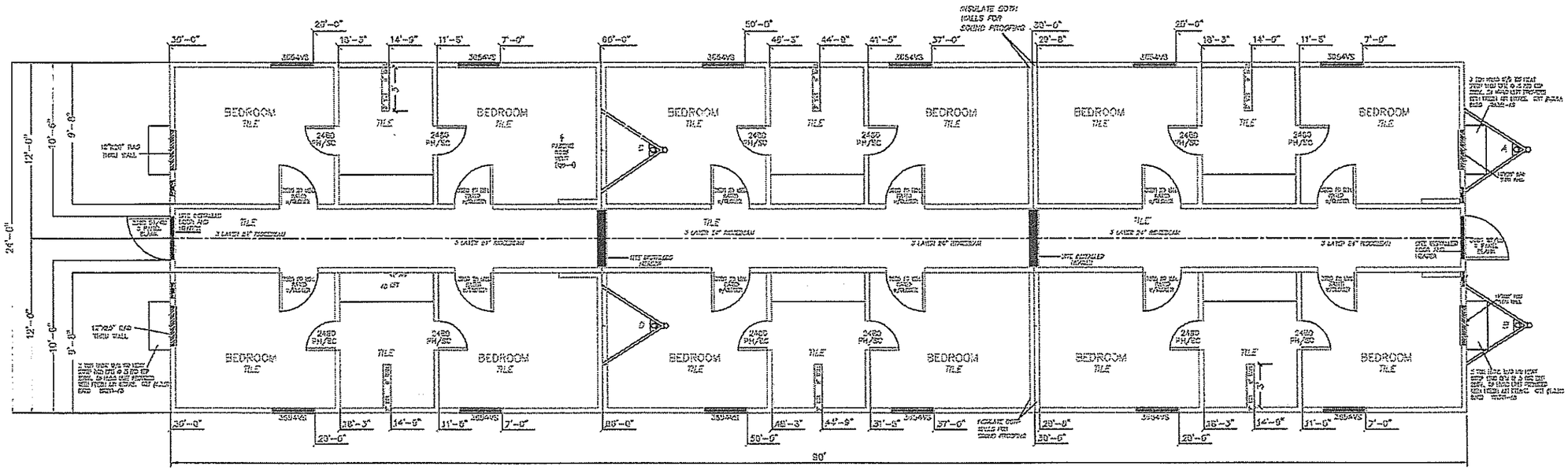
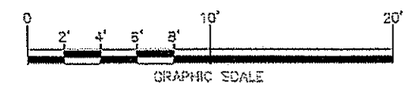


FLOOR PLAN

SCALE 1/8"=1'



COLUMN & COLUMN STRAPPING LEGEND

(A) — INDICATES TYPE OF STUD

(T1) — INDICATES TYPE OF TIE DOWN STRAP

✳ — INDICATES WITH RIDGE BEAM BEARING STIFFENER (SEE RIDGE BEAM NOTES FOR SPECIFICATIONS)

COLUMN DESCRIPTIONS

A (2) 2X4 SYP #2 THIS HALF.	B (2) 2X4 SYP #2 EACH HALF
C (3) 2X4 SYP #2 THIS HALF.	D (3) 2X4 SYP #2 EACH HALF
E (4) 2X4 SYP #2 THIS HALF.	F (4) 2X4 SYP #2 EACH HALF
G (5) 2X4 SYP #2 THIS HALF.	H (5) 2X4 SYP #2 EACH HALF

NOTES:

1. ALL COLUMN STUDS SHALL BE NAILED TOGETHER PER NDS & FASTENED TOGETHER w/100% PVA GLUE COVERAGE.
2. COLUMN STUDS SHALL NOT BE NOTCHED OR BORED.
3. INSTALL ONE TIE DOWN STRAP FROM RIDGE BEAM TO COLUMN & FROM COLUMN TO FLOOR RIM JOIST FOR EACH STUD OF COLUMN. (ie: 4 STUD COLUMN WILL REQUIRE 4 TIE DOWN STRAPS)
4. STRAPS SHALL NOT BE OVERLAPPED OR DOUBLED UNLESS SPECIFIED OTHERWISE.

TIE DOWN STRAP DESCRIPTIONS

T1 20 GA X 1.5" GALV. STEEL STRAP w/(6) 0.148" X 3" NAILS EACH END. TWO 20 GA X 1.5" GALV. STEEL STRAPS MAY BE SUBSTITUTED FOR ONE 20 GA X 1.5" STRAP. NAILS MUST PENETRATE 2" MINIMUM INTO ALL MEMBERS. PENETRATION MAY BE REDUCED TO 1.5" IF 8 NAILS ARE USED IN LIEU OF 6. IN NO CASE SHALL SPLITTING OF THE WOOD BE PERMITTED.

T2 20 GA X 1.5" GALV. STEEL STRAP w/(8) 16 GA X 7/16" X 1" STAPLES EACHEND. 15 GA STAPLES MAY BE USED IF QUANTITY IS INCREASED TO (7) STAPLES.

SITE INSTALLED HEADER NOTES:

1. INDICATES NO. OF LAYERS OF 3/4" X 11-1/2" PLYWOOD RATED SHEATHING, STRUCTURAL 1, EXPOSURE 1, 45/24, 6 PLY/5 LAYER INDICATES WITH BEARING STIFFNERS. SEE FLOOR PLAN FOR SYMBOL LOCATION.
2. PLYWOOD SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "RIDGE BEAM CONSTRUCTION NOTES" SPECIFIED HERE-IN OR IN THE SYSTEM PACKAGE EXCEPT THAT THERE SHALL BE NO BUTT JOINTS IN ANY OF THE PLYWOOD LAYERS.
3. PRIOR TO LAG SCREW INSTALLATION PRE-DRILL HOLES WITH A 1/4" DIAMETER BIT.
4. 10d NAILS SHALL HAVE 1 3/4" MINIMUM PENETRATION INTO LUMBER. PENETRATION MAY BE REDUCED TO 1 1/2" IF QUANTITY OF NAILS IS INCREASE BY 20%.

SPECIAL SYMBOLS FOR ALARM SYSTEM

△1 = SMOKE DETECTORS ARE INTERCONNECTED BY MEANS OF 12-2 AND/OR 12-3 WIRE DETECTORS ARE NOT CONNECTED TO FACP

▽ HR = 4X4 J-BOX FOR HORN/STROBE MOUNTED 84" AFF TO CENTER OF BOX w/3/4" EMT CONDUIT STUBBED OUT

F = 2X4 J-BOX FOR MANUEL ALARM PULL MOUNTED 45" AFF TO CENTER OF BOX

FACP = FIRE ALARM CONTROL PANEL TO BE MOUNTED 60" AFF TO CENTER OF BOX

S = 4X4 J-BOX FOR STROBE MOUNTED 84" AFF TO CENTER OF BOX w/3/4" EMT CONDUIT STUBBED OUT

(S) = 4X4 J-BOX FOR PHOTOELECTRIC SMOKE DETECTORS MOUNTED IN CEILING w/3/4" EMT CONDUIT STUBBED OUT

FS = 4X4 J-BOX FOR FLOW SWITCH MOUNTED UNDER FLOOR

TS = 4X4 J-BOX FOR TAMPER SWITCH MOUNTED UNDER FLOOR

(S) = 4X4 J-BOX FOR 135 DEGREE HEAT DETECTORS MOUNTED IN CEILING w/3/4" EMT CONDUIT STUBBED OUT

NO.	DESCRIPTION	DATE	APPROVED

APPROVED

ACTIVITY - SATISFACTORY TO

DATE

APPROVED

PUBLIC WORKS OFFICER

DATE

A/E PWD CTMO

DESIGN

DRAWN

REVIEW

QC

CHIEF ARCH/ ENGR.

PROJECT MANAGER

FIRE PROTECTION

BRANCH MANAGER

DESIGN DIRECTOR

KVERNER

HENRY PHONES
Senior Project Manager

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT
NAVAL AIR STATION, KEY WEST, FLORIDA

CONTRACT DRAWING

FLOOR PLAN

192-2001 CONTRACTOR HOUSING TRAILER CAMP

AS NOTED

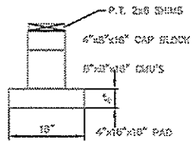
72030.4

N62470-98-D-4510

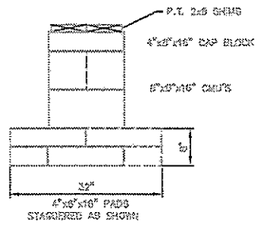
BM-3080-0306-11

11 36

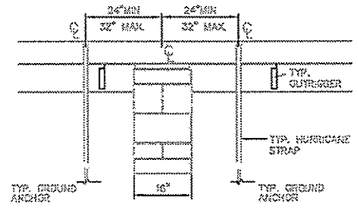
TP3A-02



A1 SECTION A–A
-- N. T. S.

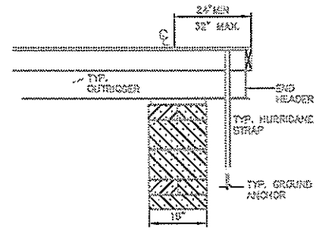


A2 SECTION B–B
-- N. T. S.



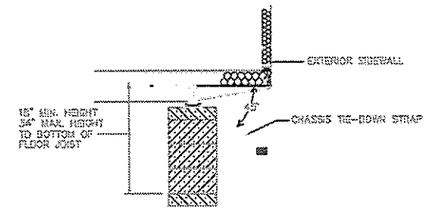
ISOLATED PIER TIE–DOWN AT MATELINE

A3 SECTION C–C
-- N. T. S.

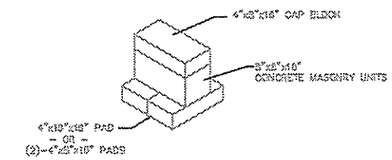


ENDWALL PIER TIE–DOWN AT MATELINE

A4 SECTION D–D
-- N. T. S.

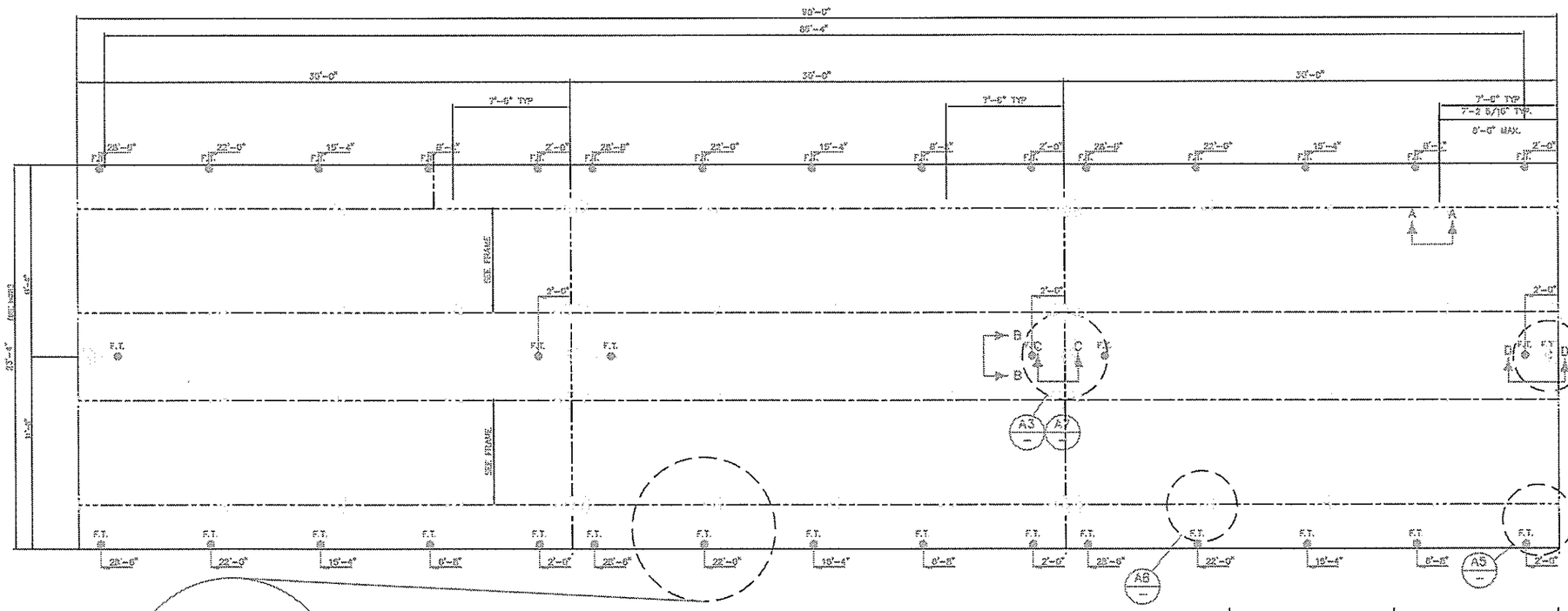


A5 TIE DOWN DETAIL (TYP)
-- N. T. S.



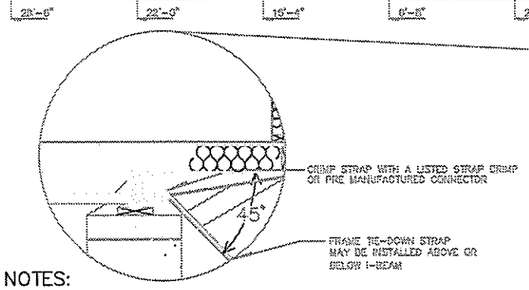
PERIMETER PIER IN CORNERS AND ALONG I BEAMS

A6
-- N. T. S.



FOUNDATION PLAN
SCALE 1/8" = 1'0"

GRAPHIC SCALE



FOUNDATION NOTES:

1. TIE–DOWN STRAPS TO BE 1–1/4" X .035 GALVANIZED STEEL FEDERAL SPECIFICATION QQS–781–N TYPE–1 FINISH–B GRADE–1. TIE–DOWN STRAPS AND CONNECTING HARDWARE TO HAVE 4,725# MINIMUM ULTIMATE CAPACITY. LISTED ANCHORS TO HAVE 3,150# MINIMUM WORKING LOAD CAPACITY.
2. SEE ABOVE FOUNDATION LAYOUT FOR TIE–DOWN STRAP SPACING.
3. ALL PIERS SHALL BE 8" X 8" X 16" MASONRY BLOCKS ON 4" X 16" X 16" CONCRETE PADS, EXCEPT AS OTHERWISE NOTED ON FOUNDATION PLAN.
4. MINIMUM SOIL BEARING CAPACITY IS 2000 PSF, TO BE VERIFIED BY BUILDING'S OWNER.

NOTE:STRAP SPACING MAY VARY DUE TO SITE CONDITIONS
FRAME TIES ONLY, NO OVER ROOF
STRAPS REQUIRED.SEE DETAIL F–F01
FIRST STRAP FROM END WALLS NOT TO EXCEED 3'–4"

5. WOOD SHIMS MAY BE INSTALLED WHEN NECESSARY, BETWEEN THE I–BEAM AND THE TOP OF THE PIER. SHIMS SHALL BE FREE OF KNOTS, AND THAT THE GROUND IS LEVELED TO WITHIN 6" AND FIRMLY COMPACTED.

CHECKS, SPLITS, AND SIMILAR IMPERFECTIONS. SHIMS SHALL BE OF P.T. LUMBER AND BEARING AT ALL CONTACT POINTS SHALL NOT BE LESS THAN 2/3 OF THE BEARING PRIOR TO ADDING THE SHIMS.

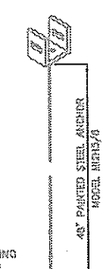
6. NOTE ALL MASONRY PIERS MAY BE INSTALLED IN A DRY STACK.

FIELD CONDITIONS WITH DRY STACK PIERS GREATER THAN 34" SHALL REQUIRE FOUNDATIONS TO BE ENGINEERED BEYOND THIS APPROVAL.

MAXIMUM WIND SPEED 130 MPH.
ALL TIE DOWN ANCHORS SHALL HAVE MINIMUM 4725 LB. CAPACITY AND SHALL BE INSTALLED IN ACCORDANCE WITH THEIR APPROVAL AND ASCE–7–98

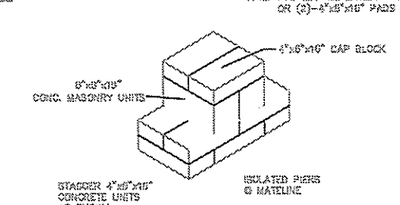
NOTE–
OVERALL WIDTH DIMENSION IS NOMINAL AND IS BASED ON UNIT WIDTH x NUMBER OF UNITS. ACTUAL OVERALL WIDTH MAY INCREASE DUE TO SITE CONDITIONS, MATERIAL TOLERANCES, FAILURE TO REMOVE CLOSE–UP MATERIAL, AND / OR OTHER FACTORS THAT ARE BEYOND THE CONTROL OF BUILDING MANUFACTURER

F.T. = FRAME TIES FASTENED TO GROUND ANCHOR



ANCHOR TO BE INSTALLED IN ACCORDANCE WITH IT'S LISTING AND TIE–DOWN ENGINEERING TEST REPORT PROPOSAL 639
THE ULTIMATE CAPACITY IS 5,100# PER ANCHOR > 4,725# OK

NOTE: PAD MAY BE EITHER 4"x16"x16" PAD OR (2)–4"x8"x16" PADS AS SHOWN



A7 HEAVY LOAD PIER AT MATE LINE
-- N. T. S.

NOTE: CONCRETE UNITS MAY BE A COMBINATION OF 4" X 8" X 16", AND 4" X 16" X 16" UNITS

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ACTIVITY – SATISFACTORY TO
DATE
APPROVED
PUBLIC WORKS OFFICER
DATE

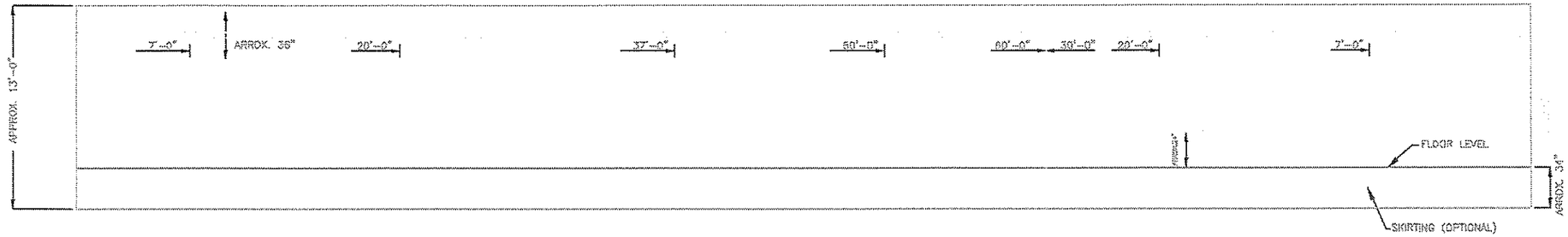
A/E — PWD OTHO
DESIGN
DRAWN
REVIEW
QC
CHIEF ARCH/ ENGR.
PROJECT MANAGER
FIRE PROTECTION
BRANCH MANAGER
DESIGN DIRECTOR

KVAERNER
NEDO FIORES
Senior Project Manager
KVAERNER Process Services, Inc., P.O. 5303 Rte. 9W, Ft. Ab–[illegible]

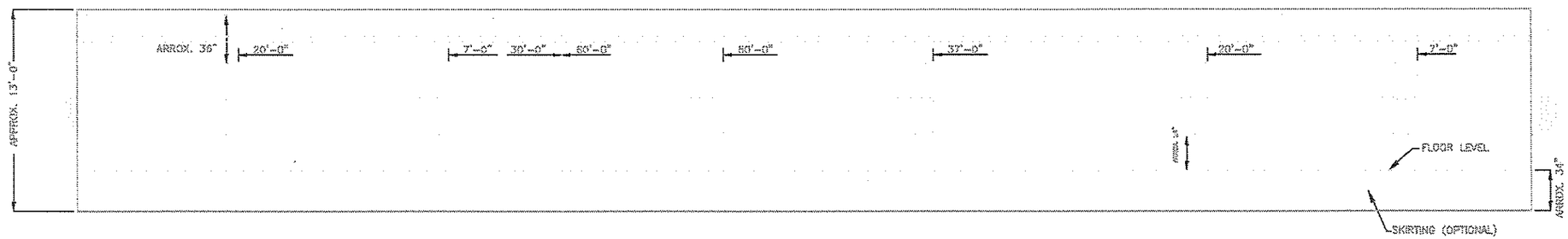
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT
SHIPYARD NAVAL BASE, CALIFORNIA

DORMITORY BUILDING
FOUNDATION PLAN
192–MAN DORMITORY MODULAR TRAILER CAMP

AS NOTED
72030.4
N62470–98–D–4010
BM–3880–0305–12
12 38
TP3A–03



FRONT ELEVATION
SCALE 1/8" = 1'



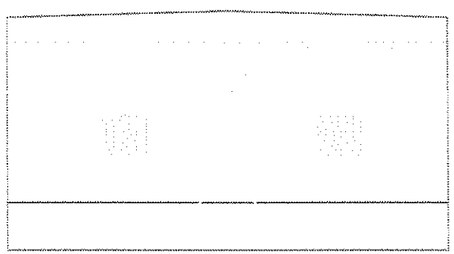
REAR ELEVATION
SCALE 1/8" = 1'

ELEVATION NOTES: TYPICAL

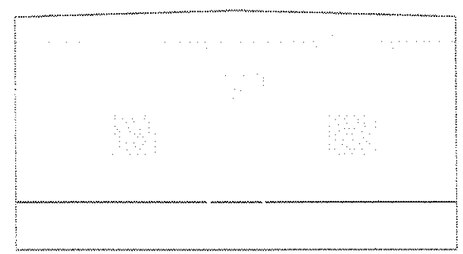
SEE-CROSS SECTION FOR METHOD OF ROOF VENTILATION

ACCESSIBLE RAMP(S), STAIR(S), AND HANDRAILS ARE SITE INSTALLED, DESIGNED BY OTHERS, AND SUBJECT TO LOCAL JURISDICTION.

FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 1/150TH OF THE FLOOR AREA, AND AN 18" X 24" MINIMUM CRAWL SPACE ACCESS, SITE INSTALLED BY OTHERS SUBJECT TO LOCAL JURISDICTION.



RIGHT ELEVATION
SCALE 1/8" = 1'



LEFT ELEVATION
SCALE 1/8" = 1'

0 5' 10'
1' 2' 3' 4'
GRAPHIC SCALE

SYM.	DESCRIPTION	DATE	APPROVED

APPROVED SYM.

ACTIVITY – SATISFACTORY TO

DATE

APPROVED

PUBLIC WORKS OFFICER

DATE

A/E PWD OTHO

DESIGN

DRAWN

REVIEW

CO

CHIEF ARCH./ ENGR.

PROJECT MANAGER

FIRE PROTECTION

BRANCH MANAGER

DESIGN DIRECTOR

KVÆRNER

HERB FUCHES
Senior Project Manager

KVÆRNER Process Systems, Inc. 770, 1000 Rue Sherbrooke Ouest, Montréal, Québec, H3A 3G4

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT
NAVSTA GUANTANAMO BAY, CUBA

DORMITORY BUILDING
ELEVATIONS

192-MAN CONTRACTOR MODULAR TENTED CAMP

AS NOTED

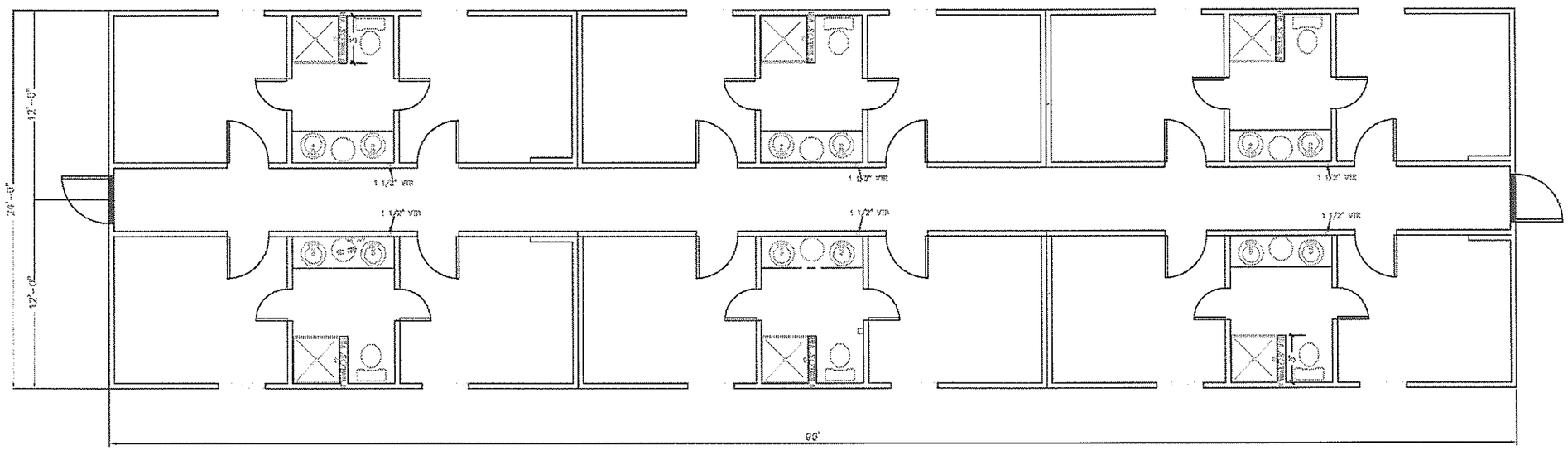
72030.4

N62470-98-D-4610

BM-3980-0305-14

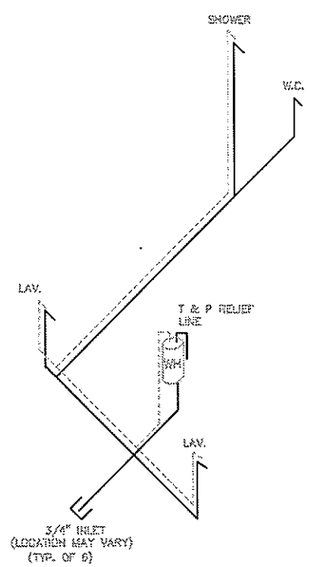
14 38

TP3A-05



PLUMBING LAYOUT PLAN

SCALE 1/8" = 1'-0"



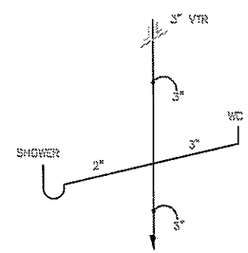
SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 45 TO 50 PSI AT MAIN INLET AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

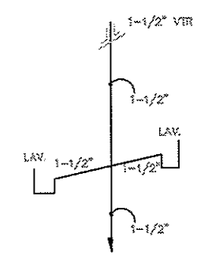
——— COLD
- - - - - - HOT

ALL SUPPLY LINES SHALL BE 3/4", ALL STUB-UPS SHALL BE 1/2" UNLESS OTHERWISE SPECIFIED.

SUPPLY RISERS

NOT TO SCALE





DWV RISERS

NOT TO SCALE

SYM.	DESCRIPTION	DATE	APPROVED

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ACTIVITY – SATISFACTORY TO

DATE

APPROVED

PUBLIC WORKS OFFICER

DATE

A/E PWD OTHD

DESIGN
DRAFT
REVIEW
QC
CHIEF ARCH/ ENGR.
PROJECT MANAGER
FIRE PROTECTION
BRANCH MANAGER
DESIGN DIRECTOR

KVÆRNER

HOWD PORRES
Senior Project Manager

KVÆRNER Process Systems, Inc. PES 1000 Bear Hill, P.O. Box 4000

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT
NAVAL BASE, KITSAP, BREMERTON

BARRACKS SHIELDS
PLUMBING LAYOUT PLAN

192-MAN CONTRACTOR MODULAR BRAVER CAMP

AS NOTED

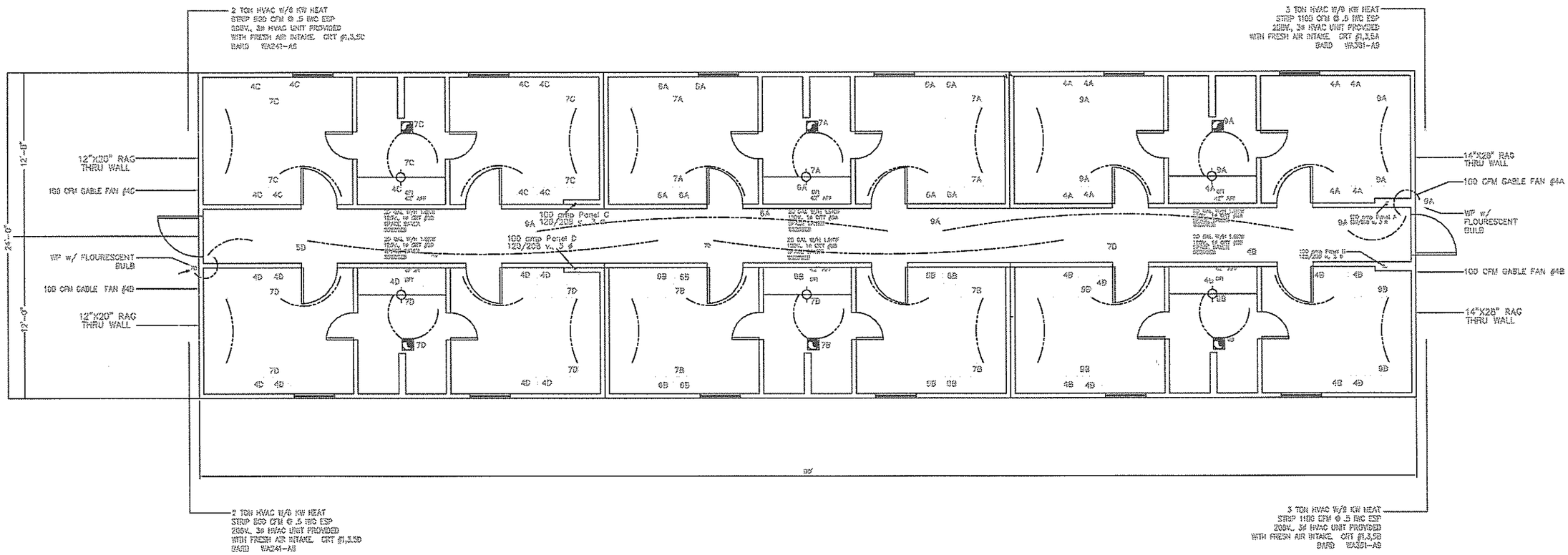
72030.4

N62470-98-D-4510

BM-3680-0305-15

15 36

TP3A-06



2 TON HVAC W/8 KW HEAT
STRIP 800 CFM @ .5 IWC ESP
208V, 3ø HVAC UNIT PROVIDED
WITH FRESH AIR INTAKE. CKT #1,3,5D
BARD WA241-A8

3 TON HVAC W/8 KW HEAT
STRIP 1100 CFM @ .5 IWC ESP
208V, 3ø HVAC UNIT PROVIDED
WITH FRESH AIR INTAKE. CKT #1,3,5B
BARD WA361-A9

ELECTRICAL LAYOUT PLAN

SCALE 1/8"=1'

GRAPHIC SCALE

SYM.	DESCRIPTION	DATE	APPROVED

APPROVED

ACTIVITY – SATISFACTORY TO

DATE

APPROVED

PUBLIC WORKS OFFICER

DATE

A/E PWD OTHER

DESIGN

DRAWN

REVIEW

QC

CHIEF ARCH./ ENGR.

PROJECT MANAGER

FIRE PROTECTION

BRANCH MANAGER

DESIGN DIRECTOR

KVÆRNER

KENT FIGHES
Senior Project Manager

KVÆRNER Process Services, Inc., 1155 Bay Area Blvd., FPO AE 09502

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT
NAVAL STATION, GUANTANAMO BAY, CUBA

DORMITORY BUILDING
ELECTRICAL LAYOUT PLAN

192-MAN CONTRACTOR MEALS/AR TRAILER CAMP

AS NOTED

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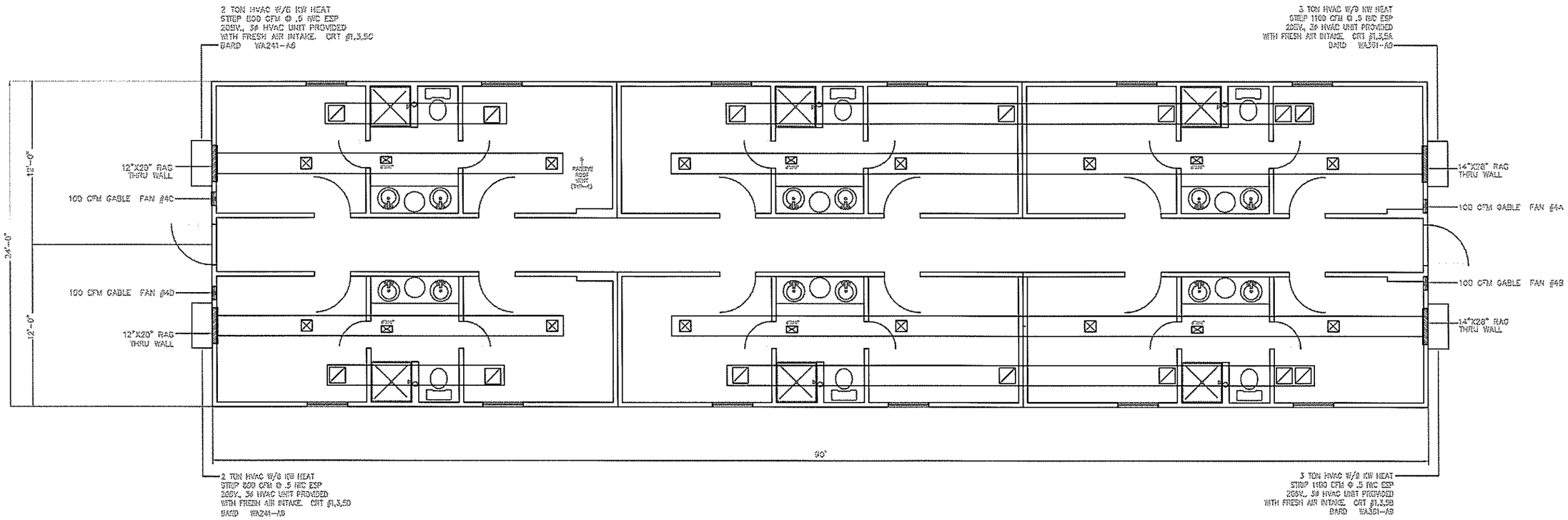
16 38

TP3A-07



0 2' 4' 6' 8' 10' 20'

GRAPHIC SCALE

H V A C LAYOUT PLAN

SCALE 1/8"=1'

TITLE	DESCRIPTION	DATE	APPROVED

APPROVED

ACTIVITY - SATISFACTORY TO

DATE

APPROVED

PUBLIC WORKS OFFICER

DATE

A/E	PWD OTSID
DESIGN	
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REVIEW	
QC	
CHIEF ARCH/ ENGR.	
PROJECT MANAGER	
FIRE PROTECTION	
BRANCH MANAGER	
DESIGN DIRECTOR	

KVÆRNER

MOHD FUDYES
Senior Project Manager

KVÆRNER Process Services, Inc., PO. 5308 Rte. 30N, PM AC-0000

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT
ENGINEERING DIV. CIVIL
LIN. NAVAL STATION

COMMUNITY BUILDING
HVAC LAYOUT PLAN

TRI-AMA CONSTRUCTION MEWALOR WORKER CAMP

AS NOTED

72030.4

N62470-98-D-4510

BM-3880-0305-17

17 39

TP3A-08