

DESIGN CRITERIA:

PROJECT NAME: NORTEX MODULAR SPACE - N2864-16

BUILDING SQ. FOOTAGE: 1640 SQ. FT.

2008 NEC

2006 IBC

2006 IMC

2006 IPC

2006 IECC

1994 TAS

USE GROUP: E OR B

CONSTRUCTION TYPE: IBC: V-B

OCCUPANT LOAD: 82

PERMISSIBLE GAS TYPE: LP NATURAL N/A

DESIGN LOADS:

ROOF LIVE LOAD: 20 PSF

FLOOR LIVE LOAD: 50 PSF

CONC. FLOOR LIVE LOAD: 2000 LBS

WIND LOAD: (130 MPH 3-SEC GUST)

EXPOSURE: B

SEISMIC DESIGN CATEGORY B

SPECIAL CONDITIONS AND / OR LIMITATIONS:

1. HANDICAP ACCESS & SIGNAGE TO BE PROVIDED AS REQUIRED BY OTHERS AS APPLICABLE.
2. THE BUILDING IS TO BE LOCATED PER THE REQUIREMENTS OF TABLE 602 OF THE 2006 IBC
3. ANY REQUIRED ALARM SYSTEM SHALL BE INSTALLED ON-SITE BY OTHERS.

FOUNDATION NOTES:

1. FOUNDATION AND ANCHORING ARE SUBJECT TO ACCEPTANCE AND INSPECTION BY LOCAL AUTHORITY HAVING JURISDICTION.
2. TIE-DOWN ANCHORING: SEE SHEET S-2
3. CRAWL SPACE VENTILATION TO BE PROVIDED BY ON-SITE PER 1203.3.1 OF THE 2006 IBC

SCOPE OF WORK

NOT INCLUDED IN THE SCOPE OF WORK

1. UTILITIES AND UTILITY CONNECTIONS
2. POURED CONCRETE (DRIVeway, SIDEWALK, SLABS, FOOTINGS, ETC).
3. SITE PREPARATION
4. TAX OF ANY KIND.
5. BUILDING PERMITS.

SITE WORK

1. OWNER IS TO EXAMINE THE SITE AND SHALL VERIFY ALL EXISTING CONDITIONS, NO PROVISION FOR SITE WORK HAS BEEN INCLUDED. IT IS PRESUMED THAT THE SITE WILL PROVIDE CLEAR ACCESS FOR TRUCKS AND MODULARS.

2. ALL ELECTRICAL, PLUMBING, SEWER & GAS SERVICE CONNECTIONS AND ALL CONCRETE WORK AT THE SITE, TO INCLUDE POURED PIERS, FOUNDATIONS, SLABS, SIDEWALKS, DRIVEWAYS OF WHATEVER KIND ARE THE RESPONSIBILITY OF THE OWNER.

IDENTIFICATION:

STATE DECAL: TDLR DECAL AND DATA PLATE PLACED IN PANEL BOX AND/OR ABOVE CEILING ON FRONT END WALL

DECAL: NORTEX MODULAR SPACE

FRAME / CHASSIS:

OUTRIGGERS: 48" O.C.
CROSSMEMBERS: 48" O.C.
BEAM: 12" JR. I-BEAM
HITCH: DETACHABLE HITCH
AXLES: [02] BRAKES (NEW) [02] IDLERS
TIRES: G (14-PLY)
FRAME: MEDIUM

FLOOR:

BOTTOM BOARD: ROLL, POLYETHYLENE FIBER MESH
INSULATION: R-22 UNFACED
JOISTS: 2x8 No. 2 SYP OR BTR. AT 16" O.C.
SIDEBOARD JOISTS: DOUBLE 2x8 SYP No 2 OR EQUAL
DECKING: 3/4" T&G EDGE GOLD OR EQUIV.
FLOOR COVER: 1/8" TILE W/ 1/4" FIBEROCK
(RESTROOMS ONLY)
COLOR: #51899 COOL WHITE
26oz. CARPET COLOR: #101 SANDPEBBLE
COVE BASE: 4" RUBBER (6" IN RESTROOMS) COLOR: GRAY

EXTERIOR WALLS:

SIDEWALL HEIGHT: REFERENCE SHEET A-3
STUDS: 2x4 No. 2 SYP OR BTR AT 16" O.C.
BOTTOM PLATE: SNGL 2x4 SPF No. 3 OR BTR
TOP PLATE: DBL 2x4 SPF No. 3 OR BTR
HEADERS: DOUBLE 2x4 WITH 1/2" FILLER
FIRE BLOCKS: 2x MIN. AT CLG LINE AS REQ'D.
INSULATION: R-15 FACED
SHEATHING: 15# FELT OR EQUIV.
SIDING: 3/8" SMARTPANEL COLOR: SW6149 RELAXED KHAKI
EXT TRIM: SMARTPANEL - TOP COLOR: SW6200 LINK GRAY
SMARTPANEL - BOTTOM, WINDOWS/DOORS &
CORNERS COLOR: SW6149 RELAXED KHAKI

SKIRTING: TBA COLOR: TBA

INTERIOR WALLS:

WALL HEIGHT: FULL HEIGHT

STUDS: 2x4 SPF No. 2 OR BTR AT 16" O.C.
BOTTOM PLATE: SNGL 2x4 SPF No. 3 OR BTR
TOP PLATE: DBL 2x4 SPF No. 3 OR BTR
HEADERS: SINGLE 2x4 FLAT
FIRE BLOCKS: 2x MIN. AT CLG LINE AS REQ'D.
COVERING: 5/8" VINYL CLAD GYPSUM
COLOR: HAMPTON GRAY

TRIM: STD. VCG
FRP: 4 FT UP BEHIND AND ALONG SIDE W.C.
INSULATION: R-11 (ALL INTERIOR WALLS)

WINDOWS:

SIZE/TYPE: [04] 48"x24" H.S. BRONZE/CLEAR (DIG)
LOW E

BRAND: KRESTMARK

COVERING: [04] 47" MINI BLINDS ALABASTER

DOORS:

EXTERIOR: [02] 36"x80" STEELCRAFT DOOR W/6x27 SAFETY PANE

COLOR: SW6149 RELAXED KHAKI

EXTERIOR HARDWARE: TELL GRADE 2

[02] PUSH/PULL

[02] DEAD BOLT

[02] GRADE 2 HYD. CLOSER - TELL

INTERIOR: [02] 36"x80" MOHAWK SOLID CORE

EXTERIOR HARDWARE: TELL GRADE 2

[02] PRIVACY (LEVER)

REDIFRAME STEEL

MISC: [02] FLOOR MTD. DOOR STOPS

ROOF:

RAFTERS: 2x8 #2 SYP. OR BTR. @ 24" O.C.

RIM MBR: SNG. 2x8 SYP #3

RIDGE BEAM: 3 LAYER - 28" HEIGHT & 60' LENGTH

CEILING: 2'x4' ACOUSTIC TILE, LAYIN @ 8'-8" A.F.F.

INSULATION: R-30C UNFACED

SHEATHING: 7/16" FR DECK W/ H-CLIPS

ROOFING: .045 EPDM (UL-13850) WHITE

(PITCH: .5:12)

MANSARD: 30" FALSE MANSARD COLOR: SW6200 LINK GRAY

ELECTRICAL:

SERVICE: 120/240V SINGLE PHASE

LOAD CENTER: [01] 200 AMP, INT. MOUNT LOAD CTR.

TYPE: CUTLER HAMMER

ENTRANCE: 2" STUB-DN

WIRING: MC CABLE W/ #12 WIRE

LIGHTS: [14] 48" T-8 4 TUBE FLUORESCENT TROFFERS
W/ DIFFUSED LENSES

[02] 48" T-8 2 TUBE FLUORESCENT TROFFERS
W/ DIFFUSED LENSES

[02] 24" T-8 U-TUBE FLUORESCENT TROFFERS
W/ DIFFUSED LENSES

[02] PORCH LT. W/PHOTO-CELL FLUORESCENT

[02] EMERG/EXIT LIGHTS W/ BATTERY BACKUP

FANS: [02] 80 CFM EXHAUST FANS

RECEPTS: [16] STD. 120V DUPLEX RECEPTACLES **IVORY**

[01] HEAT TAPE RECEPTACLE

[02] W.P. EXT. GFCI 120V DUPLEX RECEPTACLE

SWITCHES: SEE SHEET E-1

J-BOXES: [16] 3/4" ENT CONDUIT STUBBED ABOVE
CEILING

MISC: THE GROUNDING ON-SITE IS TO BE IN
ACCORDANCE WITH NEC 250-50.

PLUMBING:

WATER SUPPLY: TYPE 'L' COPPER

WASTE: PVC SCHEDULE 40 [MULTIPLE DROPS]

WATER HEATER: [01] EEMAX EX55

WATER CLOSET: [02] H.CAPPED ELONG BOWL W/ TANK

LAVATORY: [02] WALL HUNG AT HANDICAP HT. W/
DUAL LEVER FAUCET, INSULATE HOT
SUPPLY AND DRAIN TAILPIECE.

MISC: INSTALL 2-SETS S.S. GRAB BARS

[02] T.P. HOLDERS, [02] FRAMED MIRRORS

A SERVICE SINK SHALL BE AVAILABLE ON-SITE OR BE
INSTALLED AS REQUIRED BY LOCAL OFFICIALS.
DRINKING FOUNTAIN TO BE ON-SITE BY OTHERS.

HVAC:

HVAC: [02] 3-TON 10KW WALL MTD. HVAC UNIT

W/DISCONNECT

-BARD OR EQUIVALENT - COLOR: TAN

THERMOSTAT: [02] PROGRAMMABLE

DUCTS: FIBERGLASS (R-6 SUPPLY ONLY)

SUPPLY: 24"x24" ADJUSTABLE

RETURN-AIR: 30x16 RETURN AIR GRILL AT EACH
UNIT W/ PLENUM WALL

MISC: FRESH AIR VENTILATION IS PROVIDED THRU
MANUAL AIR DAMPER IN THE HVAC SYSTEM.

FURNITURE OR MISC:

COUNTER TOP: N/A

BASE CABINET: N/A

UPPER CABINET: N/A

MISC: [02] #5 SEMI-RECESSED FIRE EXTINGUISHERS

DRAWING INDEX:

COVER SHEET / SPECIFICATIONS

A-1

ENERGY DESIGN INFORMATION

A-1.1

FLOOR PLAN

A-2

CROSS-SECTION

A-3

HVAC LAYOUT

M-1

LIGHTING LAYOUT

E-1

ELECTRICAL LOAD

E-2

PLUMBING (DRAIN & SUPPLY)

P-1

RIDGE BEAM

S-1

BLOCKING & TIEDOWN PLAN

S-2

HEAT LOSS CALCULATIONS

SFF ATTACHED

CUSTOMER APPROVAL

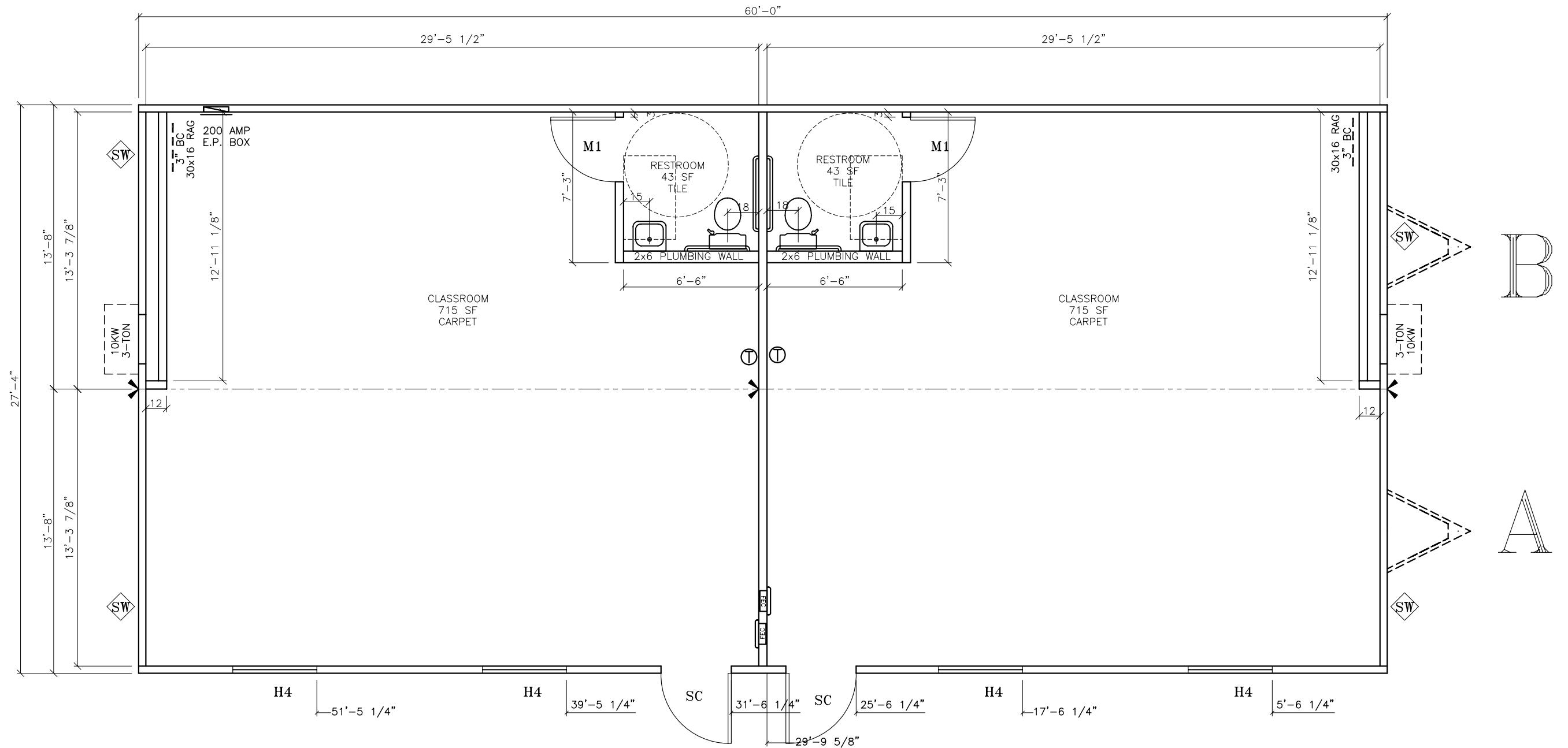
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SCHEDULE \ LEGEND

KEY	ITEM DESCRIPTION	SIZE	ROUGH OPENING
SC	36" X 80" STEELCRAFT W/ 6x27 SAFETY WINDOW	36x80	40 1/2" x 82 1/2"
M1	36" x 80" MOHAWK SOLID CORE DOOR	36x80	37 1/4" X 81"
H4	48" X 24" KRESTMARK H.S BRONZE/CLR (DIG) LOW E	48x24	48 1/2" X 24 1/2" UP 55 1/2"

SW = SHEARWALL (REFERENCE AMTEX DESIGN MANUAL SEC. 01.101.001 FOR FASTENING)

► = MINIMUM 3-2x4 STUD SYP No. 2 COLUMNS WITH MIN.
2-20ga x 1 1/4" STRAPS FASTENED WITH MINIMUM
8-EACH No 8 SCREWS EACH END OF EACH STRAP.

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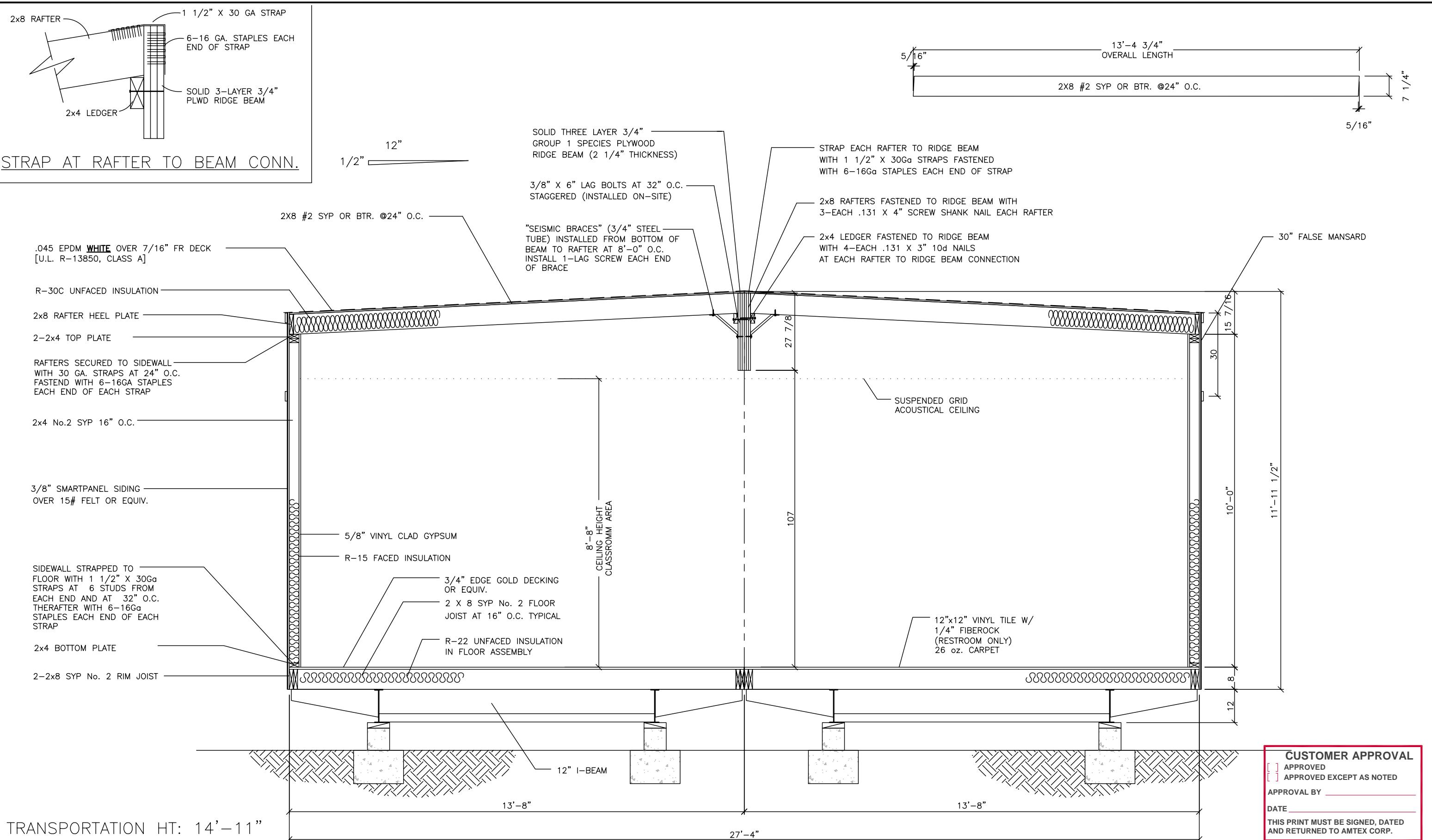
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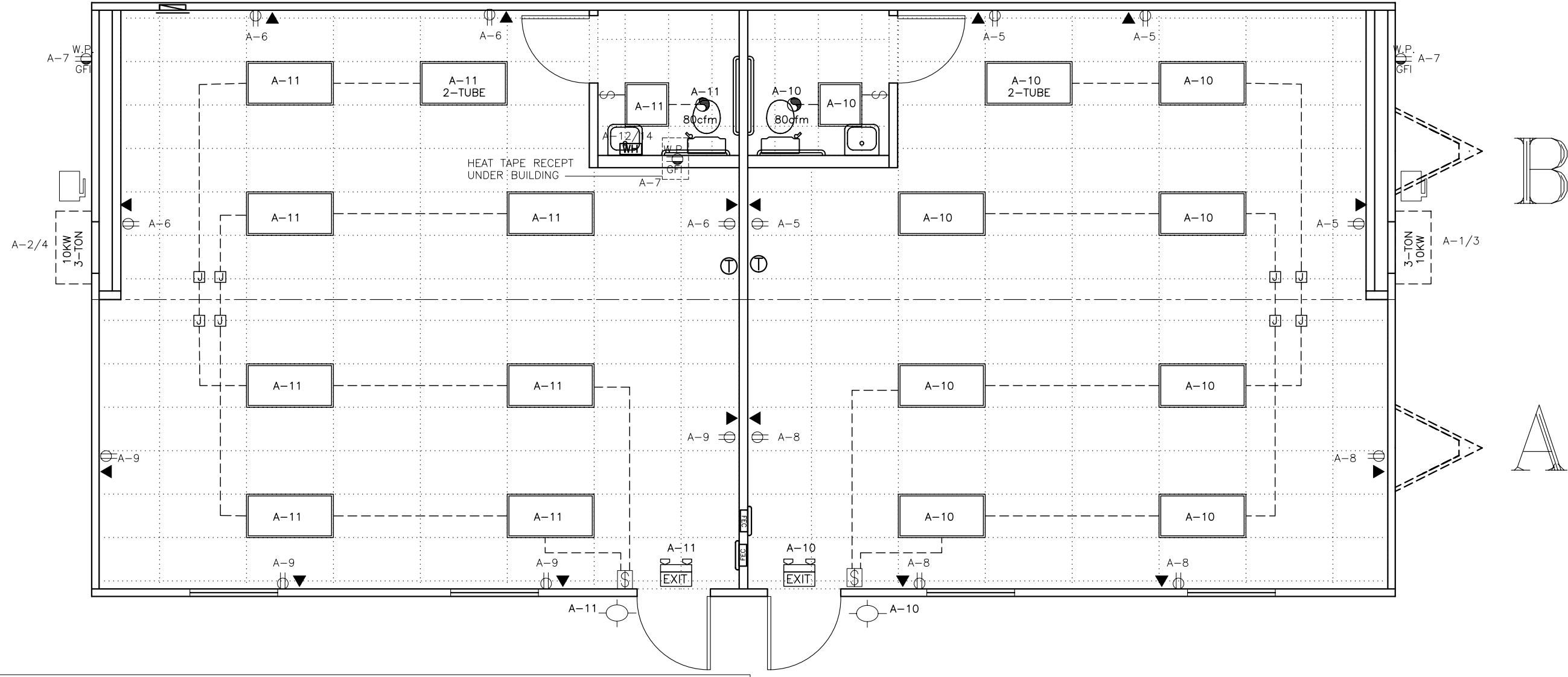
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LTR	REVISION	BY	DATE	DRAWN BY: R.C.	PROJECT: NORTEX MODULAR SPACE HOUSTON, TEXAS	TITLE: CROSS-SECTION	MARK STEELE, P.E. 5139 N. TOM MURRAY AVE. GLENDALE, ARIZONA 85301 PHONE#: (623) 209-3300
				DATE: 3/11/2010	SCALE: 3/8" = 1'-0"	DWG. NO. N2864-16	SHEET A-3



ELECTRICAL SYMBOL LEGEND

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MIN WIRE SIZE	PANEL "A"	200 AMP 2-POLE SINGLE PHASE MAIN BREAKER				MIN WIRE SIZE	
		60	1	2	60		
6	3-TON 10KW HVAC UNIT	60	1	2	60	3-TON 10KW HVAC UNIT	6
		2P	3	4	2P		
12	RECEPTS	20	5	6	20	RECEPTS	12
12	RECEPTS	20	7	8	20	RECEPTS	12
12	RECEPTS	20	9	10	20	LIGHTS	12
12	LIGHTS	20	11	12	30	INST. WATER HEATER	10
			13	14	2P		
			15	16			
			17	18			
			19	20			
			21	22			
			23	24			

GROUND BAR

NEUTRAL

240			
LOAD CALC: 200 AMP			
QTY	ITEM	WATTS	TOTAL
14	Fluorescent T-8's @ 125%	x 122	2135 watts
2	Fluor T-8 2 Tube @ 125%	x 62	155 watts
2	Fluorescent U-Tube @ 125%	x 32	80 watts
2	Ext. Fluorescent Light	x 13	33 watts
2	Exhaust Fan 80 cfm	x 90	225 watts
19	Recept Duplex	x 180	3420 watts
1	Water Heater Instant.	x 5500	5500 watts
2	Emergency Light	x 14.4	28.8 watts
2	Hvac Unit 3 Ton (240v)	x 624	1248 watts
2	Heat Strips (10 kw)	x 10000	20000 watts

Total Watts: **32824**
 Total Amps: **136.77**

BUILDING TOTAL LOAD:Panel "A" Load: **32824** wattsTotal: **32824** wattsVoltage: **240** vTotal Amps: **136.77** Amps

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DATE _____	
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CALCS. BY: R.C.		PROJECT: NORTEX MODULAR SPACE			DATE: March 11, 2010		SHEET No. E2
#	REVISION	BY:	DATE:	DWG No.	AMTEX CORP. 832 EAST WALNUT GARLAND, TX 76040 (972) 276-7626		
				N2864-16			

DWV PIPING LEGEND	
	1 1/2" DWV LINE
	2" DWV LINE
	3" DWV LINE

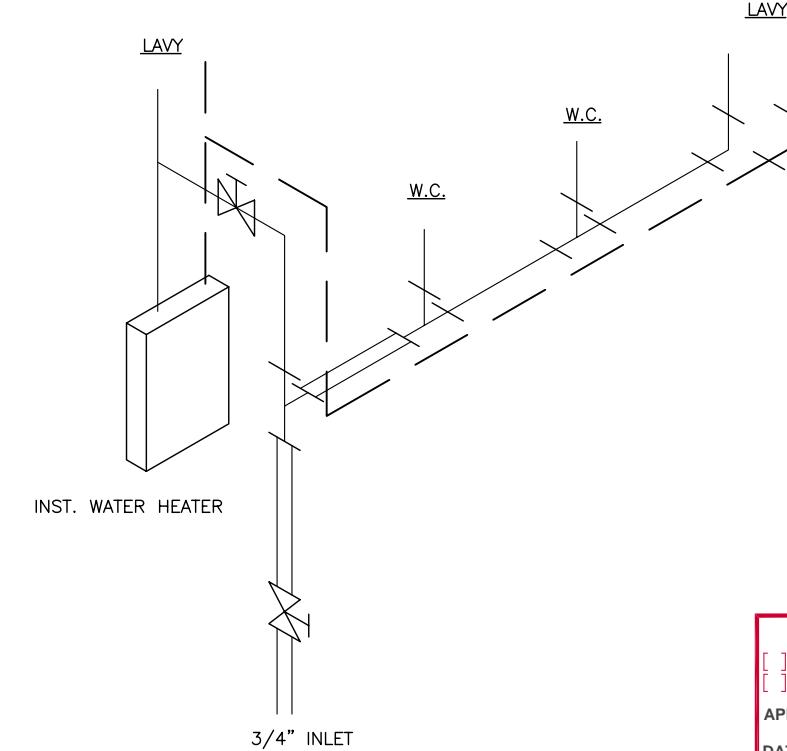
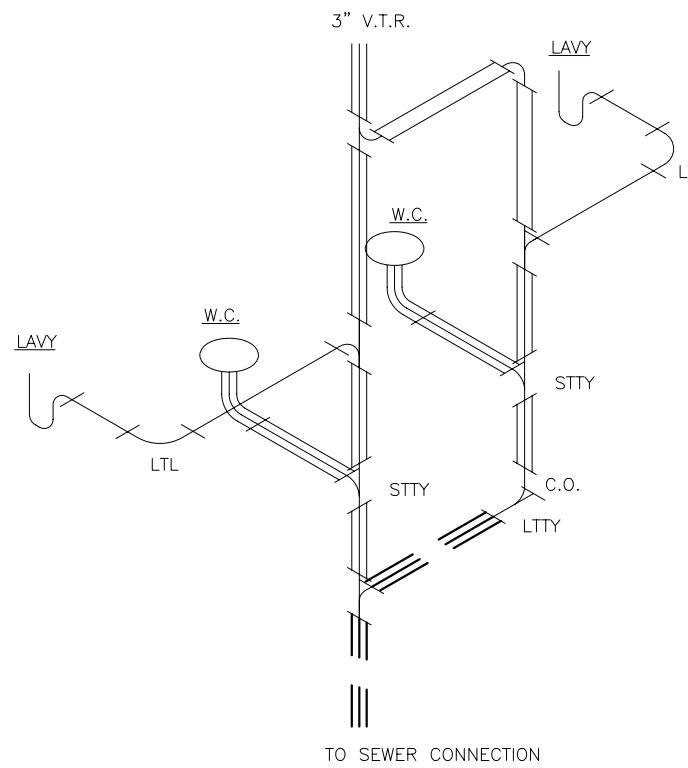
WATER LINE LEGEND	
	1/2" WATER LINE
	3/4" WATER LINE

NOTE:

1. DRAIN SYSTEM 'TREE'S ARE STUBBED THRU FLOOR ONLY AT FACTORY. FINAL CONNECTION TO SEWER IS TO BE COMPLETED ON SITE BY OTHERS.

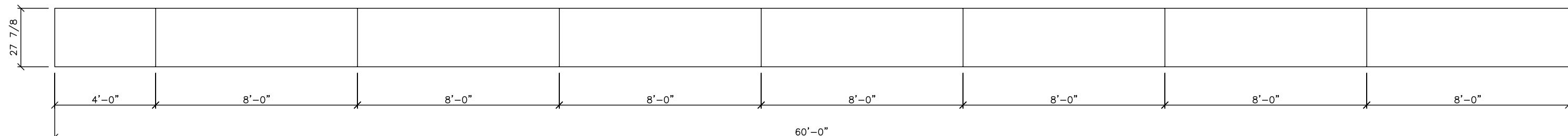
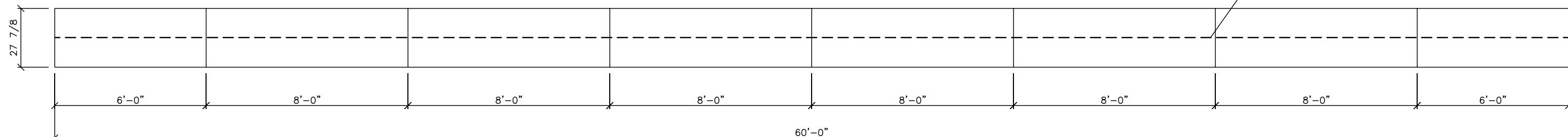
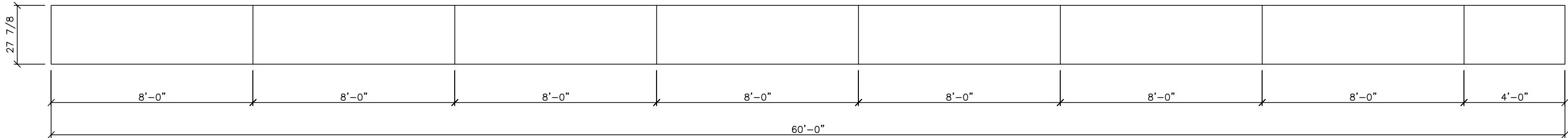
NOTES:

1. SHUT OFF VALVES ARE REQUIRED AT ALL PLUMBING FIXTURES INCLUDING WATER HEATERS
2. PER SECTION 416.5 OF THE 2006 IPC, AN ASSE 1070 APPROVED WATER TEMPERATURE LIMITING DEVICE SHALL BE INSTALLED UNDER ALL PUBLIC HAND-WASHING FACILITIES.



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LTR	REVISION	BY	DATE	DRAWN BY: R.C.	PROJECT: NORTEX MODULAR SPACE HOUSTON, TEXAS	TITLE: PLUMBING (DRAIN & WATER)	MARK STEELE, P.E. 5139 N. TOM MURRAY AVE. GLENDALE, ARIZONA 85301
				DATE: 3/11/2010	SCALE: 3/4" = 1'-0"	DWG. NO. N2864-16	PHONE#: (623) 209-3300
						SHEET P-1	AMTEX CORP. 832 EAST WALNUT ST, GARLAND, TX 75040 PH: (972) 276-7626 FAX: (972) 526-0457



RIDGE BEAM NOTES:

1. RIDGE BEAM CONSTRUCTION IS THE SAME FOR BOTH SIDES OF MATELINE (MIRRORED).
2. RIDGE BEAM IS CONSTRUCTED WITH 3/4" 5-PLY, 5-LAYER GROUP 1 SPECIES PLYWOOD.
3. RIDGE BEAM CONSTRUCTION SHALL BE IN ACCORDANCE WITH APA PLYWOOD DESIGN SPECIFICATION, SUPPLEMENT 5.

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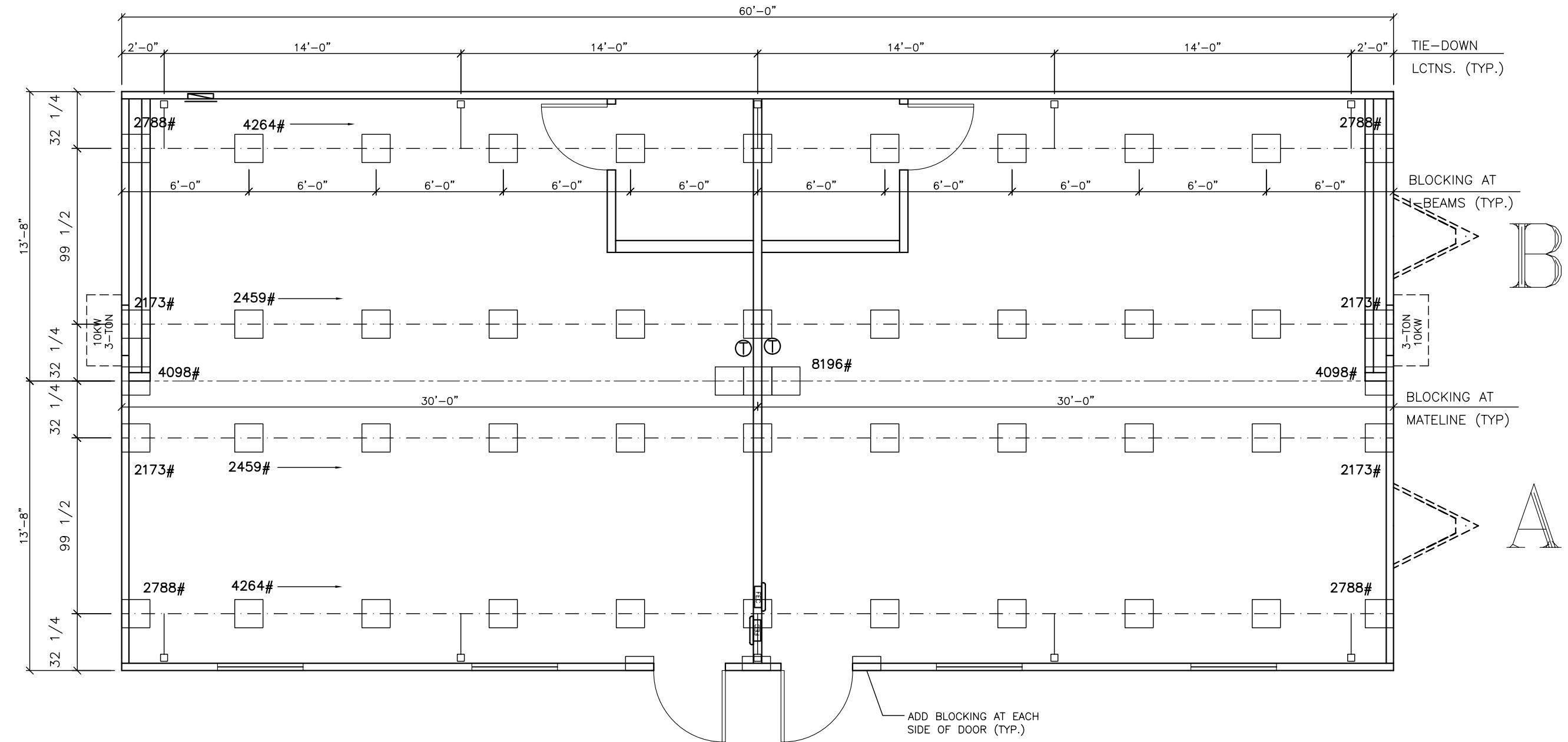
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LTR	REVISION	BY	DATE	DRAWN BY: R.C.	PROJECT: NORTEX MODULAR SPACE HOUSTON, TEXAS	TITLE: RIDGE BEAM	MARK STEELE, P.E. 5139 N. TOM MURRAY AVE. GLENDALE, ARIZONA 85301 PHONE#: (623) 209-3300
				DATE: 3/11/2010	SCALE: 3/16" = 1'-0"	DWG. NO. N2864-16	SHEET S-1



- NOTES:**
1. SOIL CAPACITY IS ASSUMED TO BE 2500 PSF.
 2. PIER SPACING BASED ON ASSUMED PAD SIZE OF 16" X 16".
 3. BLOCKS ADDED EACH SIDE OF EXT. DOORS (TYP.).

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LTR	REVISION	BY	DATE	DRAWN BY: R.C.	PROJECT: NORTEX MODULAR SPACE HOUSTON, TEXAS	TITLE: BLOCKING & TIE DOWN	MARK STEELE, P.E. 5139 N. TOM MURRAY AVE. GLENDALE, ARIZONA 85301 PHONE#: (623) 209-3300
				DATE: 3/11/2010	SCALE: 3/16" = 1'-0"	DWG. NO. N2864-16	SHEET S-2