

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:

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

FOUNDATION NOTES:

- FOUNDATION AND ANCHORING ARE SUBJECT TO ACCEPTANCE AND INSPECTION BY LOCAL AUTHORITY HAVING JURISDICTION.
- TIE-DOWN ANCHORING: SEE SHEET S-2
- 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

- UTILITIES AND UTILITY CONNECTIONS
- POURED CONCRETE (DRIVEWAY, SIDEWALK, SLABS, FOOTINGS, ETC).
- SITE PREPARATION
- TAX OF ANY KIND.
- 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.
SIDEBAND 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:

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BLOCKING & TIEDOWN PLAN	S-2
HEAT LOSS CALCULATIONS	SEE ATTACHED

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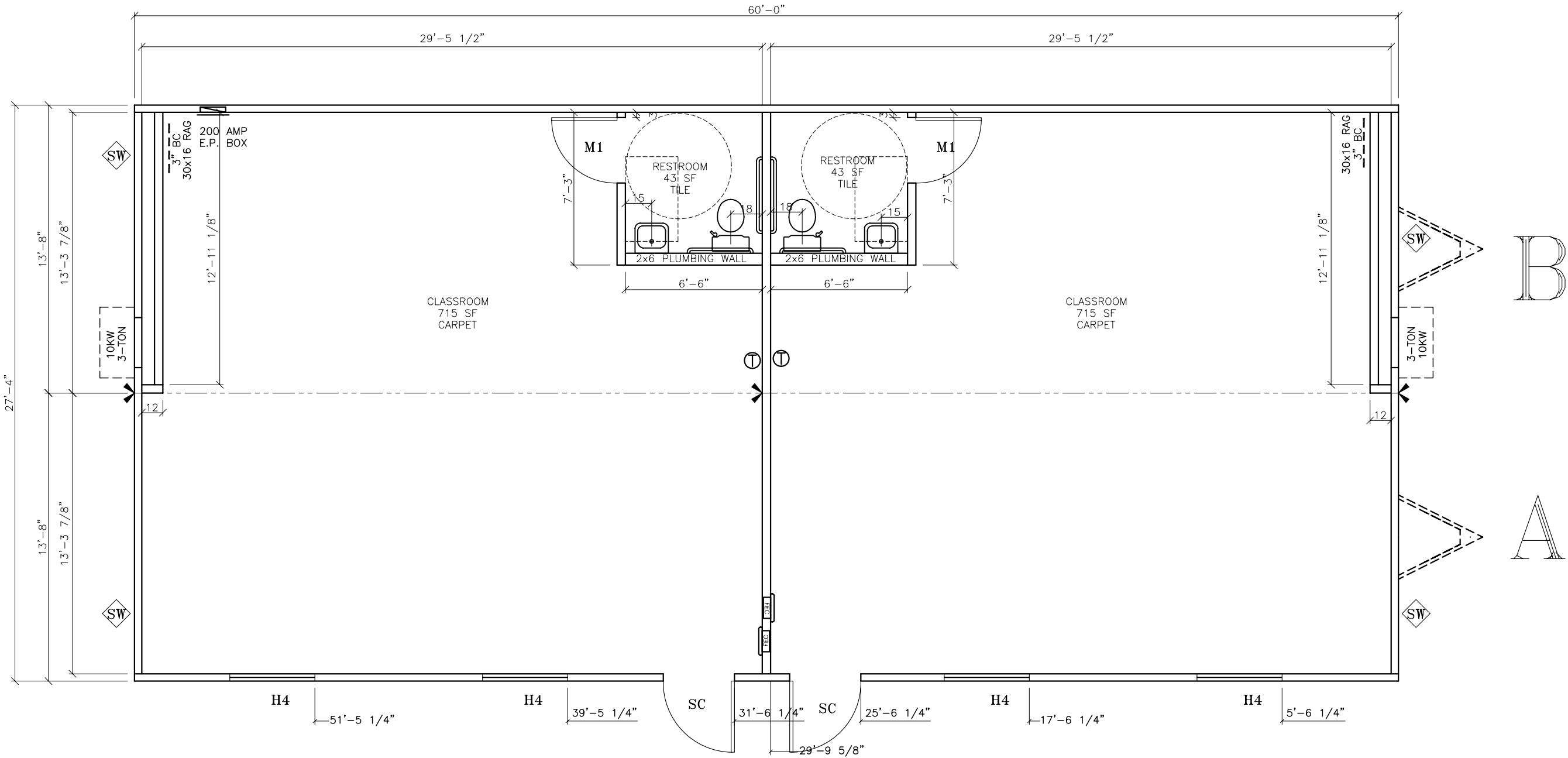
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LTR	REVISION	BY	DATE	DRAWN BY:	PROJECT:	TITLE:	MARK STEELE, P.E. 5139 N. TOM MURRAY AVE. GLENDALE, ARIZONA 85301 PHONE#: (623) 209-3300
				R.C.	NORTEX MODULAR SPACE HOUSTON, TEXAS	COVER SHEET/SPECIFICATIONS	
				DATE:	SCALE:	DWG. NO.	SHEET
				3/11/2010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

**832 EAST WALNUT ST, GARLAND, TX 75040
PH: (972) 276-7626 FAX: (972) 526-0457**

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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"

= 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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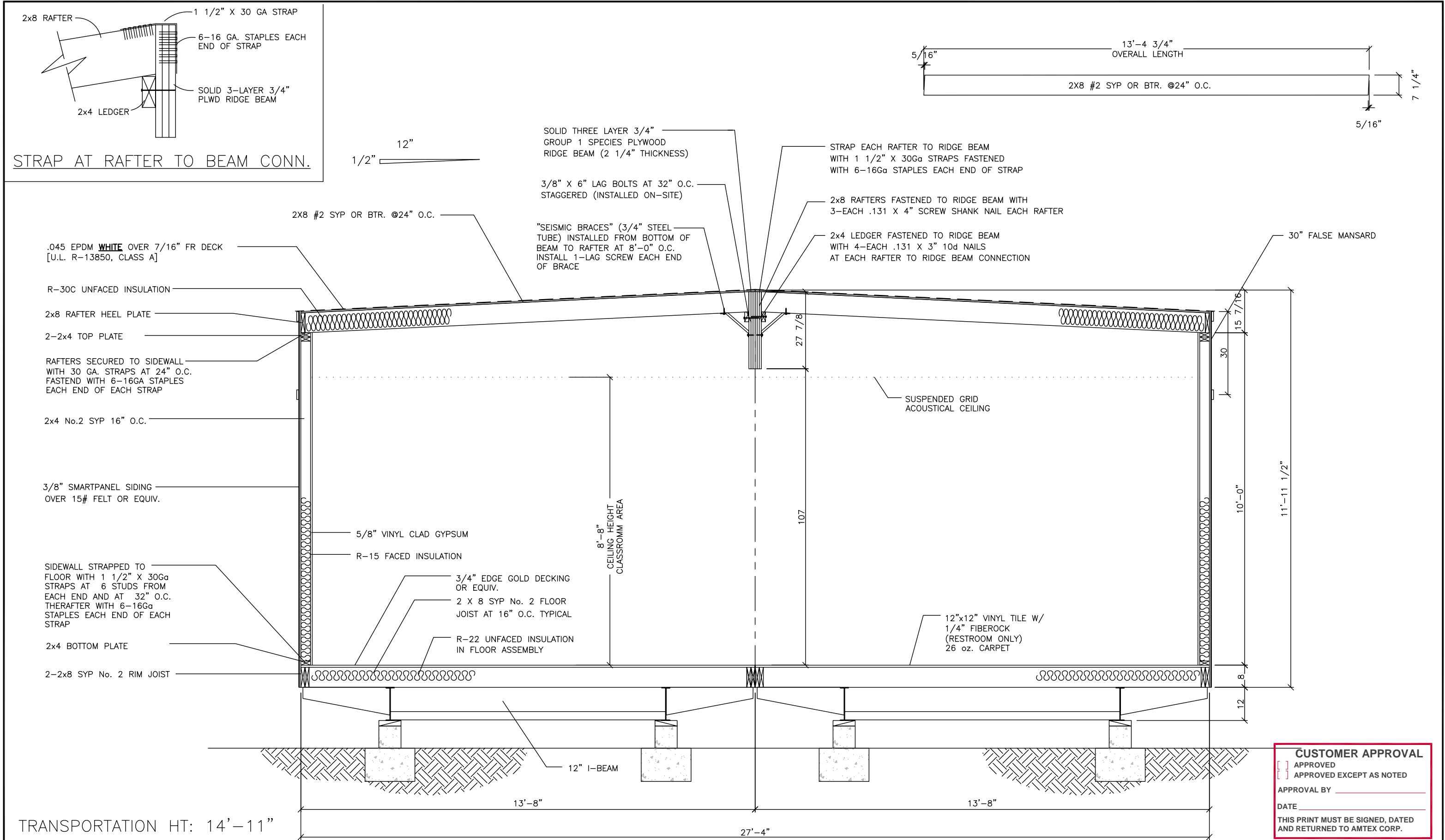
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				DATE: 3/11/2010	SCALE: 3/16" = 1'-0"	DWG. NO. N2864-16	PHONE#: (623) 209-3300
						SHEET A-2	AMTEX CORP. 832 EAST WALNUT ST, GARLAND, TX 75040 PH: (972) 276-7626 FAX: (972) 526-0457



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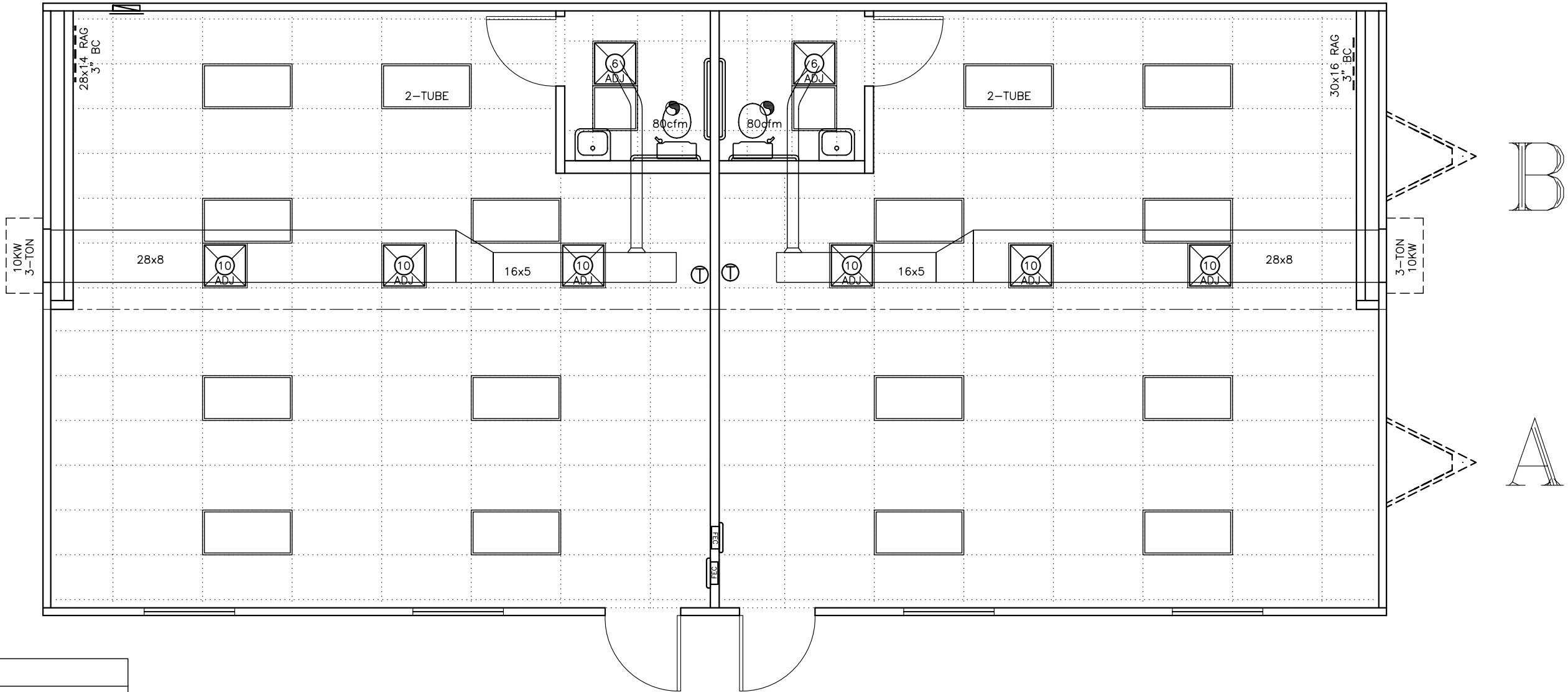
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LTR	REVISION	BY	DATE	DRAWN BY: R.C.	PROJECT: NORTEX MODULAR SPACE HOUSTON, TEXAS	TITLE: CROSS-SECTION	MARK STEELE, P.E. 5139 N. TOM MURRAY AVE. GLENDALE, ARIZONA 85301
				DATE: 3/11/2010	SCALE: 3/8" = 1'-0"	DWG. NO. N2864-16	PHONE#: (623) 209-3300
						SHEET A-3	832 EAST WALNUT ST, GARLAND, TX 75040 PH: (972) 276-7626 FAX: (972) 526-0457



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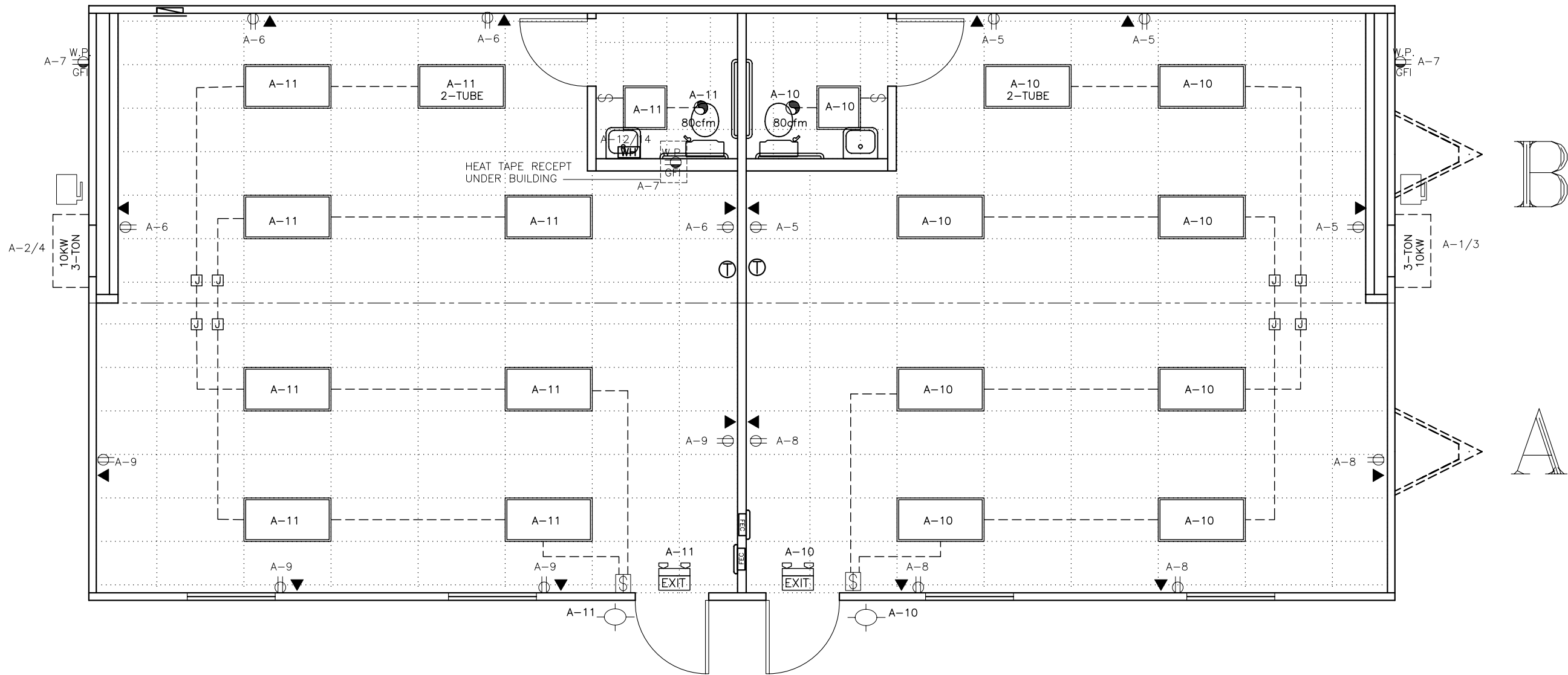


SYMBOL LEGEND	
	48"x24" 4-TUBE T-8 FLUORESCENT LIGHT
	24x24 <u>ADJUSTABLE</u> SUPPLY REGISTER

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

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ELECTRICAL SYMBOL LEGEND

	48" x 24" T-8 FLUORESENT LIGHT (4-TUBE)		EXTERIOR LIGHT W/ PHOTOCELL		STD. 120V RECEPT		EMERG/EXIT LIGHT WITH BATTERY BACK-UP
	48" x 24" T-8 FLUORESENT LIGHT (2-TUBE)		EXTERIOR LIGHT W/ PHOTOCELL 80cfm		120V DUAL TOGGLE SWITCH		THERMOSTAT
	24" x 24" T-8 FLUORESENT LIGHT (U-TUBE)		GFI STD. 120V RECEPT		DATA STUB-IN		DUAL HEADED FLOOD LIGHT W/PHOTOCELL
			CEILING MTD. DATA BOX		JUNCTION BOX		ELECTRICAL DIST. PANEL

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				DATE: 3/11/2010	SCALE: 3/16" = 1'-0"	DWG. NO. N2864-16	PHONE#: (623) 209-3300
						SHEET E-1	832 EAST WALNUT ST, GARLAND, TX 75040 PH: (972) 276-7626 FAX: (972) 526-0457



MIN
WIRE
SIZE

PANEL "A"

200 AMP 2-POLE
SINGLE PHASE
MAIN BREAKER

MIN
WIRE
SIZE

6

3-TON 10KW HVAC UNIT

60
2P

1
3

2
4

60
2P

3-TON 10KW HVAC UNIT

6

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
2P

INST. WATER HEATER

10

13

14

10

15

16

17

18

19

20

21

22

23

24

GROUND BAR

NEUTRAL

BUILDING TOTAL LOAD:

Panel "A" Load: 32824 watts

Total: 32824 watts

Voltage: 240 v

Total Amps: 136.77 Amps

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CALCS. BY:
R.C.

PROJECT:
NORTEX MODULAR SPACE

DATE:
March 11, 2010

SHEET No.
E2

#

REVISION



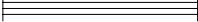
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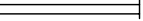
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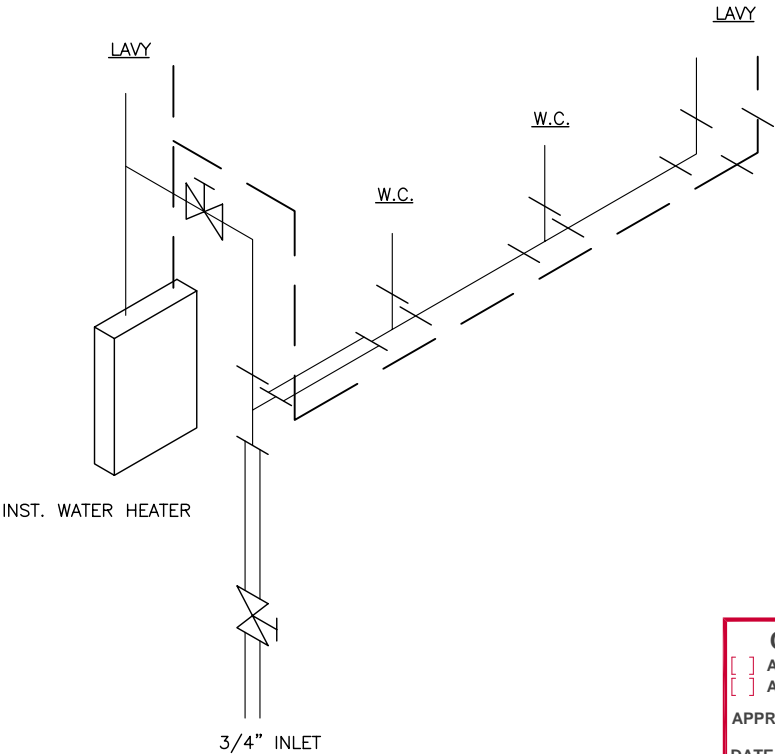
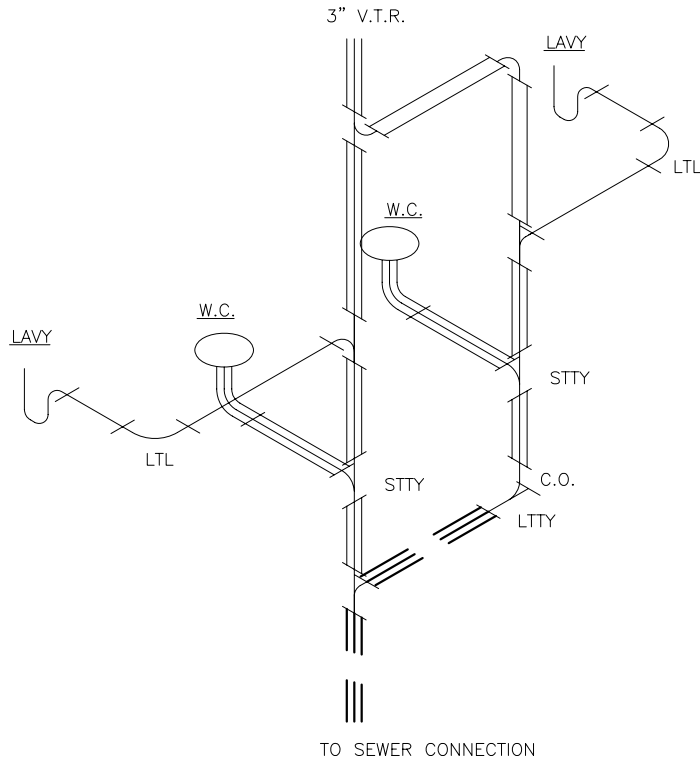
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DWV PIPING LEGEND	
	1 1/2" DWV LINE
	2" DWV LINE
	3" DWV LINE

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.

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

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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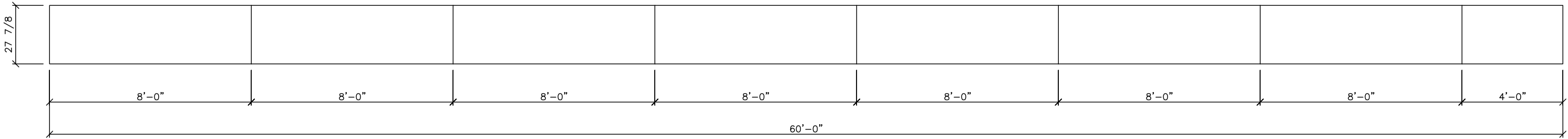
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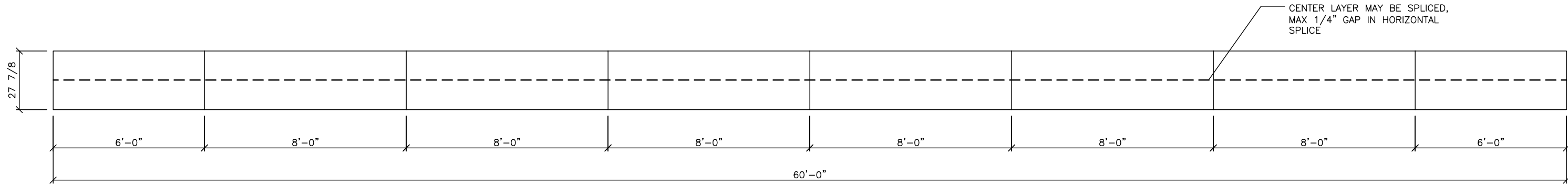
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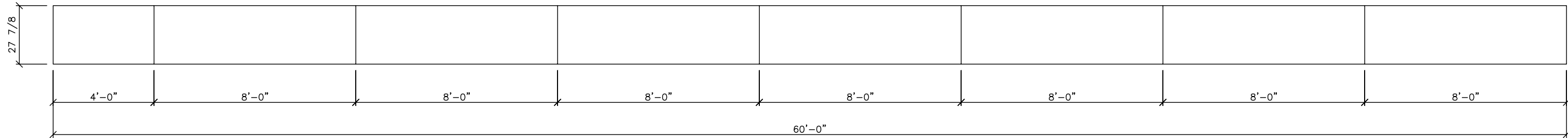
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				DATE: 3/11/2010	SCALE: 3/4" = 1'-0"	DWG. NO. N2864-16	SHEET P-1	 832 EAST WALNUT ST, GARLAND, TX 75040 PH: (972) 276-7626 FAX: (972) 526-0457



1ST LAYER



2ND LAYER



3RD LAYER

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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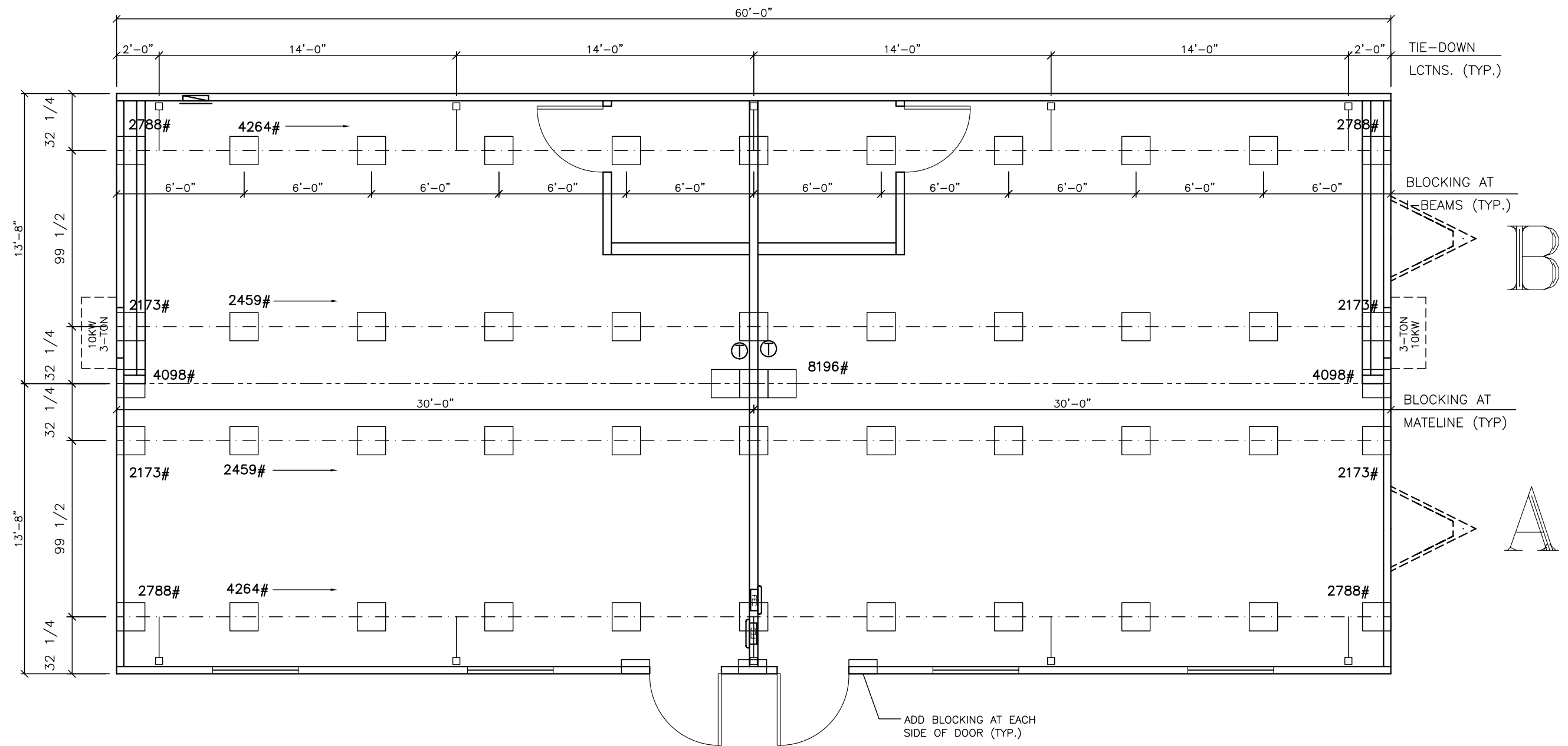
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				DATE: 3/11/2010	SCALE: 3/16" = 1'-0"	DWG. NO. N2864-16	SHEET S-1	<div>AMTEXCORP.</div>	832 EAST WALNUT ST, GARLAND, TX 75040 PH: (972) 276-7626 FAX: (972) 526-0457

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- 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
				DATE: 3/11/2010	SCALE: 3/16" = 1'-0"	DWG. NO. N2864-16	PHONE#: (623) 209-3300
						SHEET S-2	AMTEX CORP. 832 EAST WALNUT ST, GARLAND, TX 75040 PH: (972) 276-7626 FAX: (972) 526-0457