

DESIGN CRITERIA:

PROJECT NAME: NORTEX - N1464-NOC
BUILDING SQ. FOOTAGE: 8202 SQ. FT.

2008 NEC
2006 IBC
2006 IMC
2006 IPC
2006 IECC
1994 TAS
USE GROUP: B
CONSTRUCTION TYPE: IBC: V-B
OCCUPANT LOAD: 82
PERMISSIBLE GAS TYPE: ☐LP ☐NATURAL ☒N/A

DESIGN LOADS:

ROOF LIVE LOAD: 30 PSF
FLOOR LIVE LOAD: 50 PSF
CONC. FLOOR LIVE LOAD: 2000 LBS
WIND LOAD: (130 MPH 3-SEC GUST)
EXPOSURE: B
SEISMIC DESIGN CATEGORY C

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 FIRE RATING OR SPRINKLER SYSTEMS SHALL BE INSTALLED ON SITE BY OTHERS.
- ANY REQUIRED ALARM SYSTEM SHALL BE INSTALLED ON-SITE BY OTHERS.
- ANY REQUIRED FLOOR DRAIN FOR THE RESTROOM SHALL BE INSTALLED ON-SITE BY OTHERS.
- ANY REQUIRED 18" VERTICAL GRABBER SHALL BE & SUPPLIED INSTALLED ON-SITE BY OTHERS.
- ANY REQUIRED EXTERIOR EMERGENCY LIGHTING 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 OTHERS 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 PFS AND DATA PLATE PLACED IN PANEL BOX OR PLACED ABOVE CEILING ON HITCH END (IF NO PANEL IS ON UNIT)~~
DECAL: ~~NORTEX MODULAR SPACE~~
This document is approved pursuant to the Industrialized Housing and Buildings Act.

FRAME / CHASSIS:

OUTRIGGERS: 48" O.C.
CROSSMEMBERS: 48" O.C.
BEAM: 12" JR. I-BEAM (99-1/2" CENTERS)
HITCH: DETACHABLE HITCH
AXLES: FIVE W/ NEW BRAKES ON THREE AXLES
TIRES: F (14-PLY)
FRAME: HEAVY

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
FLOOR COVER: 1/8" TILE W/ FIBEROCK UNDERLAYMENT
COLOR: #51899 COOL WHITE
NOTE: TILE IS HELD BACK 14.5" OFF THE MATE LINE.
26oz. CARPET COLOR: SAND PEBBLES
COVE BASE: 4" RUBBER 6"@ R.R. COLOR: CB67

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" PLYWOOD FILLER
FIRE BLOCKS: 2x MIN. AT CLG LINE AS REQ'D.
INSULATION: R-15 FACED
SHEATHING: 15# FELT OR EQUIV.

SIDING: 3/8" SMART PANEL COLOR: RELXED KHAKI
EXT TRIM: SMART TRIM - TOP, BOTTOM, CORNERS, WINDOWS & DOORS NOTE: BOTTOM TRIM IS 6" COLOR: LINK GRAY TOP TRIM ONLY
MANSARD COLOR: COLOR: LINK GRAY
SKIRTING: TBD

INTERIOR WALLS:

WALL HEIGHT: REFERENCE SHEET A-3
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" V.C.G. COLOR: HAMPTON GRAY
TRIM: STD. V.C.G.
FRP: 4' TALL - BEHIND & ALONG SIDE OF W.C.
INSULATION: R-15 UNFACED ALL INTERIOR WALLS

WINDOWS:

SIZE/TYPE: 24"x52" H.S. BRONZE/LOW E DUAL INSULATED
NOTE: WINDOW TRIM ON THE INSIDE IS WOOD.
BRAND: H-R
MISC: SETS OF 23" ALUMN. MINIBLINDS GRAY

DOORS:

NOTE: ALL DOORS HAVE WOOD TRIM.
EXTERIOR: 36"x80" STEELCRAFT W/6X27 SAFETY PANE
COLOR: RELAXED KHAKI

EXTERIOR HARDWARE: SCHLAGE
PUSH PULL
DEAD BOLT - B660 BD X 26D W/ I.C. CORE
HYD. CLOSER - NORTON 9305BC
SWEEP - PEMKO 315CN-36
WEATHER STRIP - PEMKO 303AV-3070

INTERIOR: 36"x80" MOHAWK - SOLID CORE @ R.R.
36"x80" MOHAWK W/ - SOLID CORE 6X27 VIEW PANE
INTERIOR HARDWARE SCHLAGE
PASSAGE (LEVERS)
PRIVACY (LEVERS)
REDI-FRAME (BRONZE STEEL)

MISC: FLOOR MTD. DOOR STOPS

ROOF:

RAFTERS: 2x8 #2 SYP. OR BTR. @ 16" O.C.
RIM MBR: SNG. 2x8 SYP #2
RIDGE BEAM: FOUR LAYER - 27 7/8" HEIGHT - 60' LONG
CEILING: 2'x4' ACOUSTIC TILE, LAYIN @ 8'-6" A.F.F.
INSULATION: R-30C UNFACED
SHEATHING: 7/16" FR DECK
ROOFING: .045 EPDM WHITE (UL-R13850)
(.25 IN 12 PITCH)
MANSARD: 30" FALSE MANSARD

ELECTRICAL:

SERVICE: 120/240V SINGLE PHASE
LOAD CENTER: 100 AMP OR 125 AMP, INT. MOUNT LOAD CTR. SEE PLAN MODEL: CUTLER HAMMER

ENTRANCE: 1-1/2" STUB-DN
WIRING: MC CABLE W/ #12 WIRE

LIGHTS: 48" T-8 2 TUBE FLOURESCENT TROFFERS W/ DIFFUSED LENS
24" T-8 U TUBE FLOURESCENT TROFFERS W/ DIFFUSED LENS
PORCH LT. W/PHOTO-CELL FLUORESCENT
EMERGENCY/EXIT LIGHT W/ BATTERY BACKUP

FANS: 110CFM EXHAUST FAN

RECEPTS: STD. 120V DUPLEX RECEPTACLES IVORY
GFI 120V DUPLEX RECEPTACLES IVORY
DEDICATED 120V DUPLEX RECEPTACLES
W.P. EXT. GFCI 120V RECEPTACLE

SWITCHES: SEE SHEET E-1
J-BOXES: W/ 3/4" ENT STUBBED ABOVE CEILING
NOTE: 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: EEMAX SP55 - EEMAX EX55TML
SEE PLAN

WATER CLOSET: H.CAP FLUSH VALVE
LAVATORY: WALL HUNG AT HANDICAP HT. W/ DUAL LEVER FAUCET. INSULATE HOT SUPPLY AND DRAIN TAILPIECE.

SINKS: 25"x22" BAR SINK MTD. IN C. TOP @ H.C. HT. W/ DUAL LEVER FAUCET. INSULATE HOT SUPPLY AND DRAIN TAILPIECE

FIBERGLASS FLOOR MOUNTED MOP SINK
MISC: INSTALL S.S. GRAB BARS, T.P. HOLDERS, FRAMED MIRRORS

DRINKING FOUNTAIN SHALL BE AVAILABLE ON-SITE OR BE INSTALLED BY OTHER AS REQUIRED BY LOCAL OFFICIALS.
ALL FIXTURE MOUNTING HEIGHTS PER T.A.S.

HVAC:

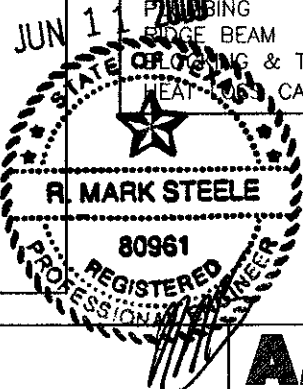
HVAC: 2-TON WALL MTD. WITH 5KW HEAT STRIP (BARD - BEIGE)
EXTERIOR DISCONNECT
THERMOSTAT: PROGRAMMABLE
DUCTS: R-6 FIBERGLASS
SUPPLY: 24"x24" ADJUSTABLE DAMPERS
PERFORATED GRILL RETURN DIFUSSERS
RETURN-AIR: ABOVE PLENUM WALL W/ JUMP DUCTS & FLEX
NOTE: FRESH AIR VENTILATION IS PROVIDED THRU MANUAL AIR DAMPER IN THE HVAC SYSTEM.

FURNITURE OR MISC:

COUNTER TOP: POST FORMED FROSTY WHITE
BASE CABINET: [01] B42
UPPER CABINET: N/A
MISC: 5# ABC SEMI-RECESSED FIRE EXTINGUISHERS MOUNTED IN CABINET

DRAWING INDEX:

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FLOOR PLAN	A-2.1 - A2.8
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HVAC LAYOUT	M-1 - M-4
ELECTRICAL	E-1 - E-4
PANEL BOX & ELEC. CALCS.	E-1.1 - E4.1
PLUMBING	P-1
EDGE BEAM	S-1
LOADING & TIEDOWN PLAN	S-2.1 - S2.4
HEAT LOSS CALCULATIONS	SEE ATTACHED



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LTR	REVISION	DRAWN BY:	PROJECT:	TITLE:
	DRA No. 7 IBC X IRC	N.G.L.	NORTEX "O" SERIES	COVER SHEET / SPECIFICATIONS
	Date: 6/12/09	DATE:	SCALE:	DWG. NO.
	DRA Signature: <i>Richard M. Thibault</i>	5/22/09	N.T.S.	N1464-NOC

CLIMATE ZONE: 5b window and glazed door area 10 percent or less
HDD [HEATING DEGREE DAYS]: 1346

R-VALUES TO COMPLY WITH TABLE: 502.2(1)
ACTUAL INSULATION R-VALUES IN BUILDING:
CEILING: ALL WOOD JOIST / TRUSS - R-30C
FLOOR: ALL WOOD JOIST / TRUSS - R-22
WALLS WOOD FRAME, ANY SPACING - R-15

WINDOW U-FACTOR: 0.54
WINDOW SHGC: 0.32

GLASS DOOR U-FACTOR: 0.00
GLASS DOOR SHGC: 0.00

SOLID DOOR U-FACTOR: 0.50

SWITCHING SCHEMES SHALL BE PER ELECTRICAL PLAN

LIGHT FIXTURES: 48" 2-TUBE T-8 W/ ELEC. BALLAST AT 61 WATTS
PORCH LIGHT FLUORESCENT W/ ELEC. BALLAST AT 13 WATTS
24" U-TUBE T-8 W/ ELEC. BALLAST AT 31 WATTS
EMERGENCY/EXIT LIGHT 40 WATT INCANDESCENT

EQUIPMENT EFFICIENCIES: HVAC MUST COMPLY WITH SECTION 503
AND TABLE 503.2.3(1) OF THE 2006 IECC [MIN. 9.7 SEER].
WATER HEATING COMPONENTS SHALL BE PER SECTION 504 AND
TABLE 504.2 OF THE 2006 IECC TO BE CONSISTENT WITH THE
NATIONAL APPLIANCE ENERGY CONSERVATION ACT OF 1987.

SYSTEM CONTROLS: HEATING AND COOLING SYSTEMS SHALL
BE PROVIDED WITH PROGRAMMABLE THERMOSTAT PER
SECTION 503.2.4.1 OF THE 2006 IECC.

OUTDOOR AIR VENTILATION RATES SHALL COMPLY WITH
TABLE 403.3 OF THE 2006 IMC: 20 CFM PER PERSON


DUCT INSULATION SHALL COMPLY WITH SECTION 503.2.7 OF
THE 2006 IECC:
R-5 INSULATION WHEN LOCATED IN UNCONDITIONED SPACE
R-8 INSULATION WHEN LOCATED OUTSIDE BUILDING ENVELOPE

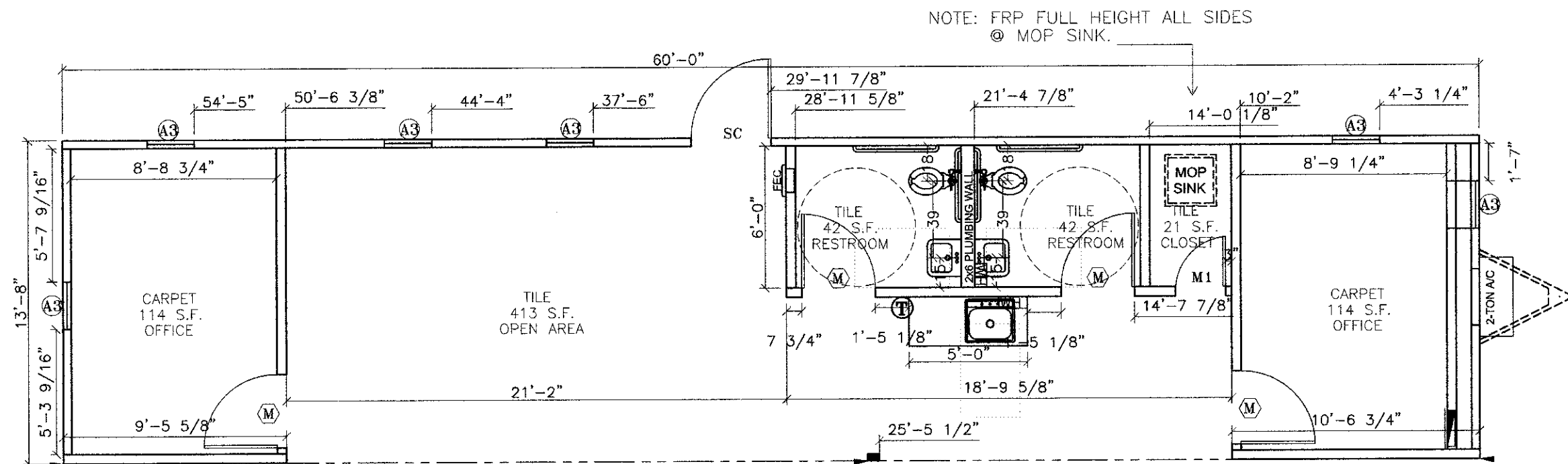
DUCT SEALING MUST COMPLY WITH SECTION 503.2.7 OF
THE 2006 IECC.

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LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: ENERGY DESIGN INFORMATION		 832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: N.T.S.	DWG. NO. N1464-NOC	SHEET A-1.1	



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Approval Date:

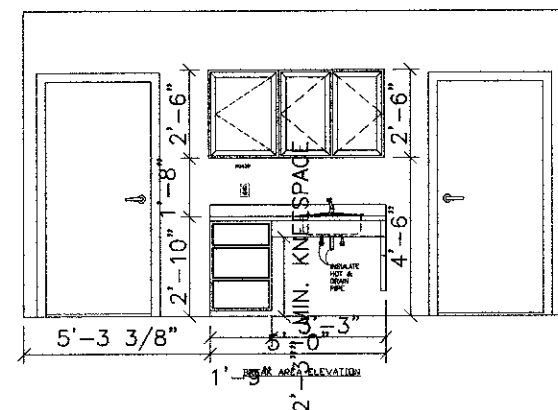
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MINIMUM 4-2x4 STUD SYP No. 2 COLUMNS
WITH MIN. 3-18ga X 1-1/4" STRAPS FASTENED
WITH MINIMUM 8-EACH No 8 SCREWS EACH
END OF EACH STRAP.



= MINIMUM 3-2x4 STUD SYP No. 2 COLUMNS
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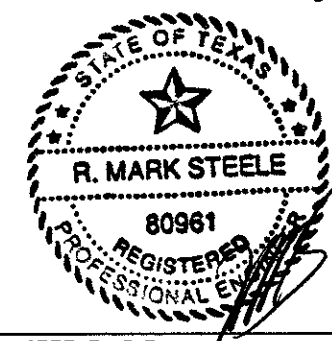
SCHEDULE \ LEGEND

KEY	ITEM DESCRIPTION	SIZE	ROUGH OPENING
SC	36" X 80" STEELCRAFT W/ 10x10 PANE	36X80	40 1/2" X 82 1/2"
M1	24" X 80" MOHAWK - SOLID CORE	24X80	25 1/4" X 81"
M	36" X 80" MOHAWK - SOLID CORE	36X80	37 1/4" X 81"
A3	24" X 52" HR - V.S. BRONZE/CLEAR	24X52	24 1/2" X 52 1/2" UP 27 1/2"

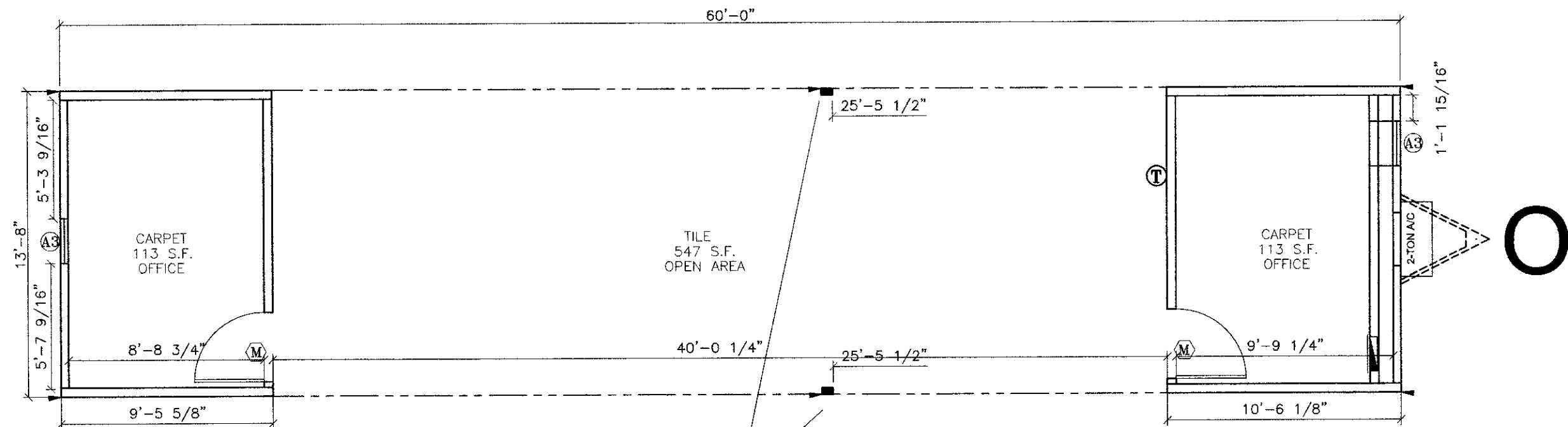
SW = SHEARWALL (REF. AMTEX DESIGN MANUAL;
SECTION 07.101.001 FOR FASTENING)

LTR	REVISION	BY	DATE	DRAWN BY:	N.G.L.	PROJECT:	NORTEX "O" SERIES	TITLE:	FLOOR PLAN		
				DATE:	5/22/09	SCALE:	3/16"=1'-0"	DWG. NO.	N1464-NOR	SHEET	A-2.1
										AMTEX 832 EAST WALNUT GARLAND, TX 75040 (972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com	

JUN 11 2009



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MINIMUM 4-2x4 STUD SYP No. 2 COLUMNS
WITH MIN. 3-18ga X 1-1/4" STRAPS FASTENED
WITH MINIMUM 8-EACH No 8 SCREWS EACH
END OF EACH STRAP.


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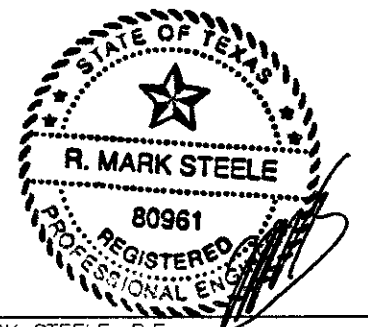
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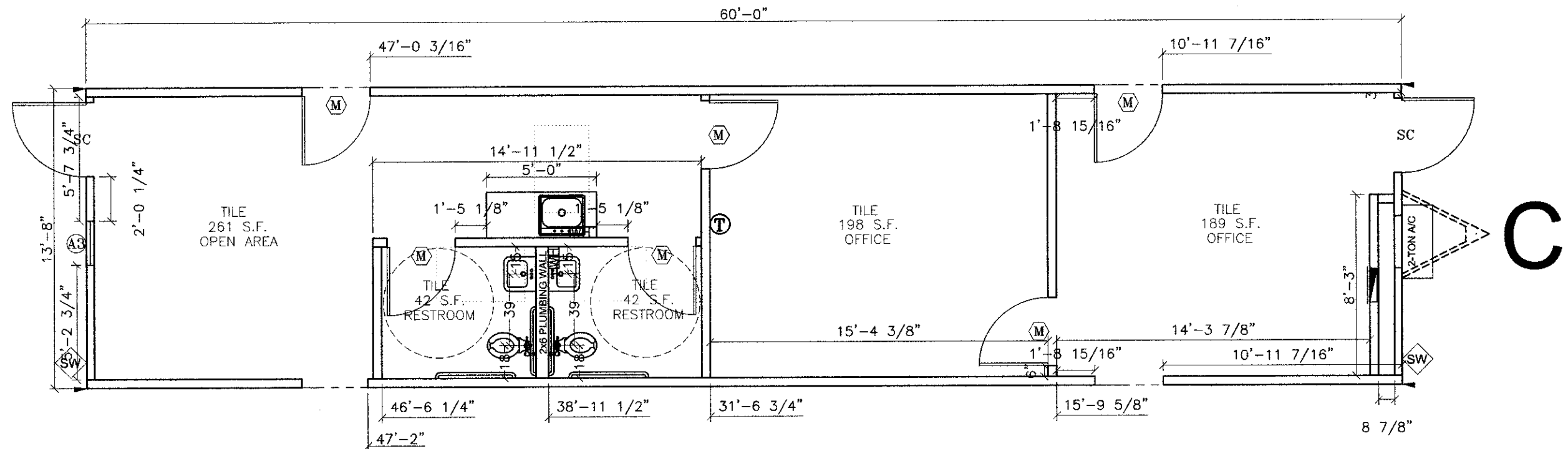
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						SHEET A-2.2		



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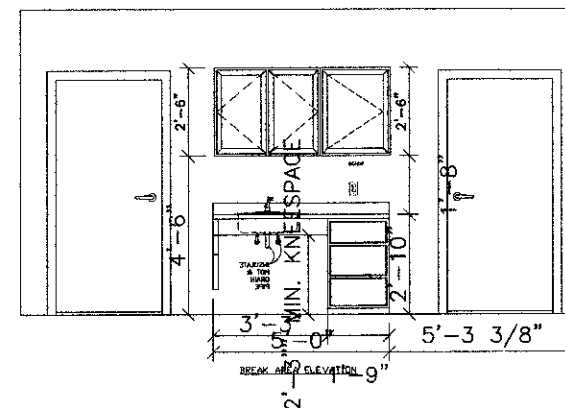
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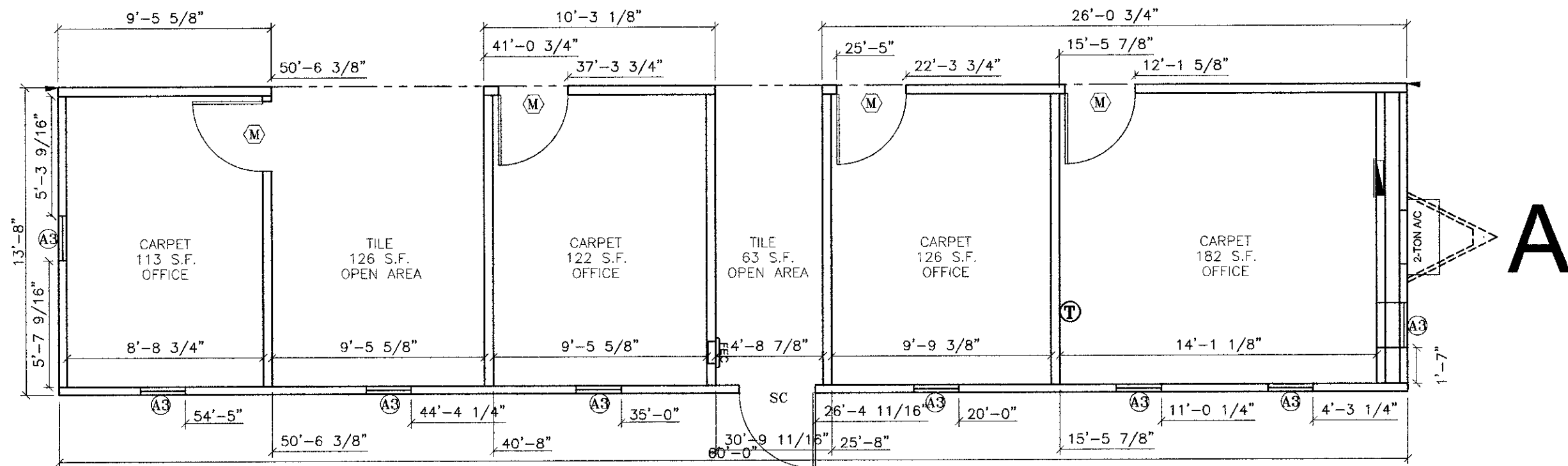
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				N.G.L.	NORTEX "O" SERIES	FLOOR PLAN	N1464-NOC	A-2.3	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com	
				DATE: 5/22/09	SCALE: 3/16"=1'-0"					



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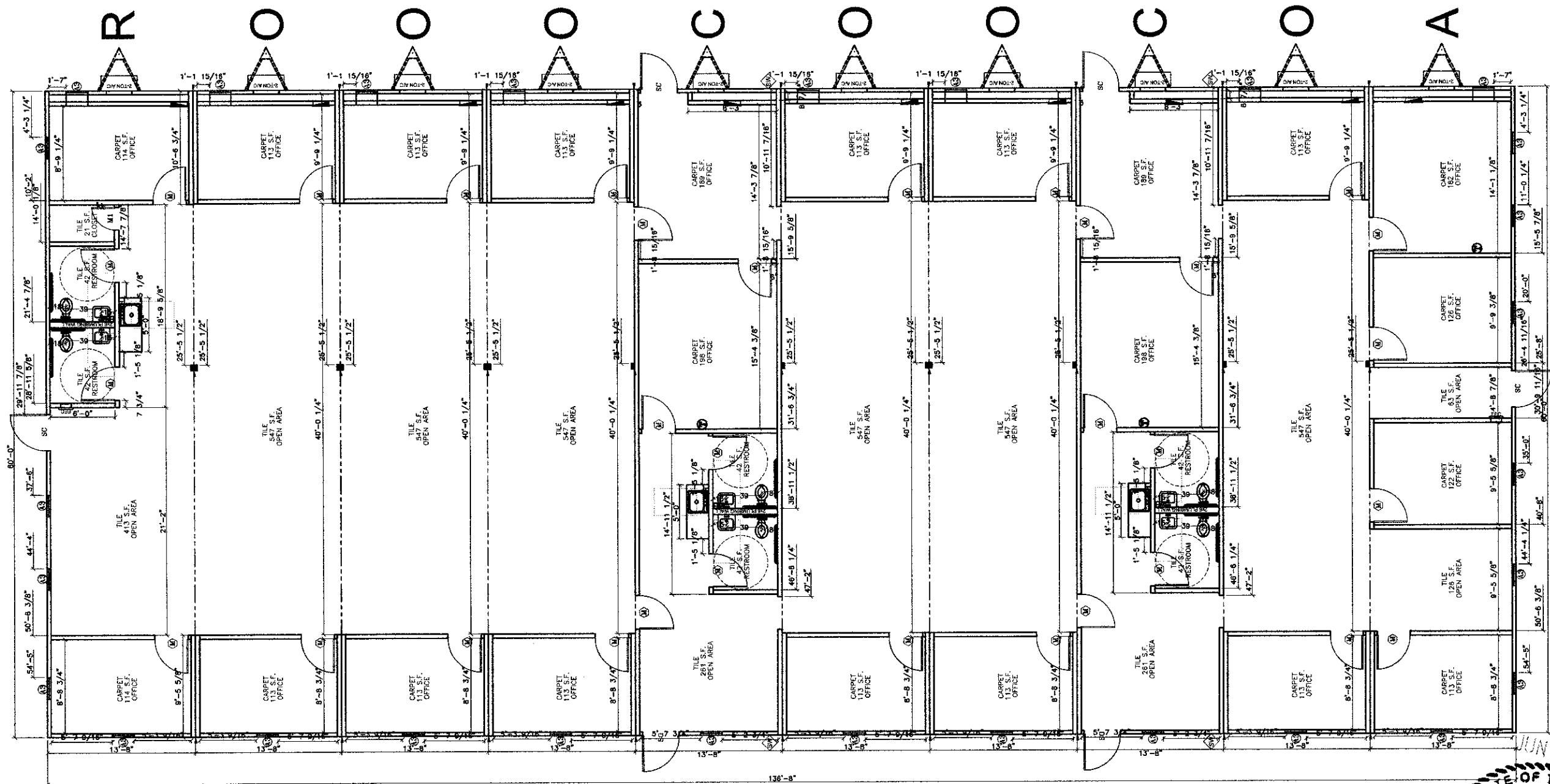
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				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOA	SHEET A-2.4	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com

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				DATE:	SCALE:	DWG. NO.	
				5/25/09	3/32"=1'-0"	N1464-NOC	

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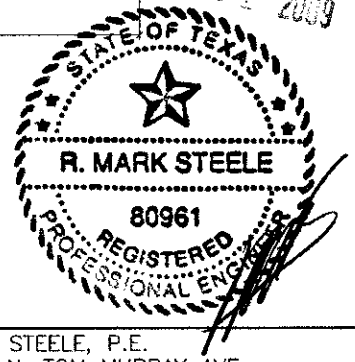
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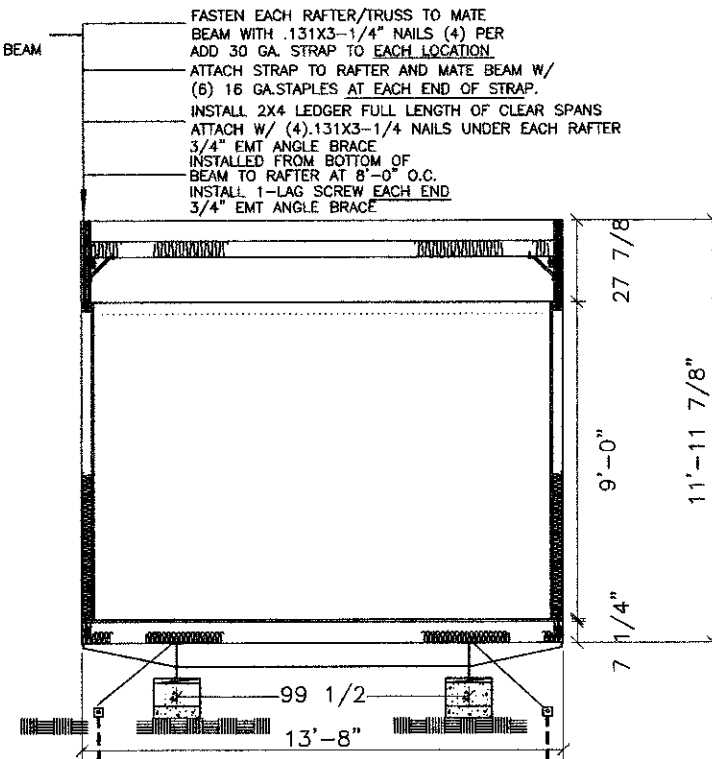
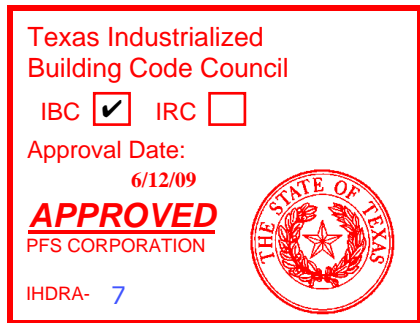
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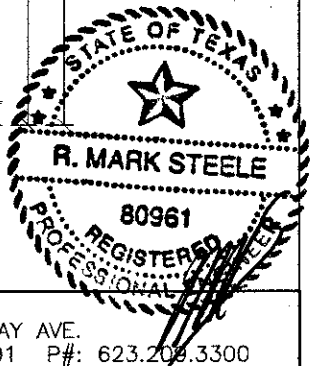
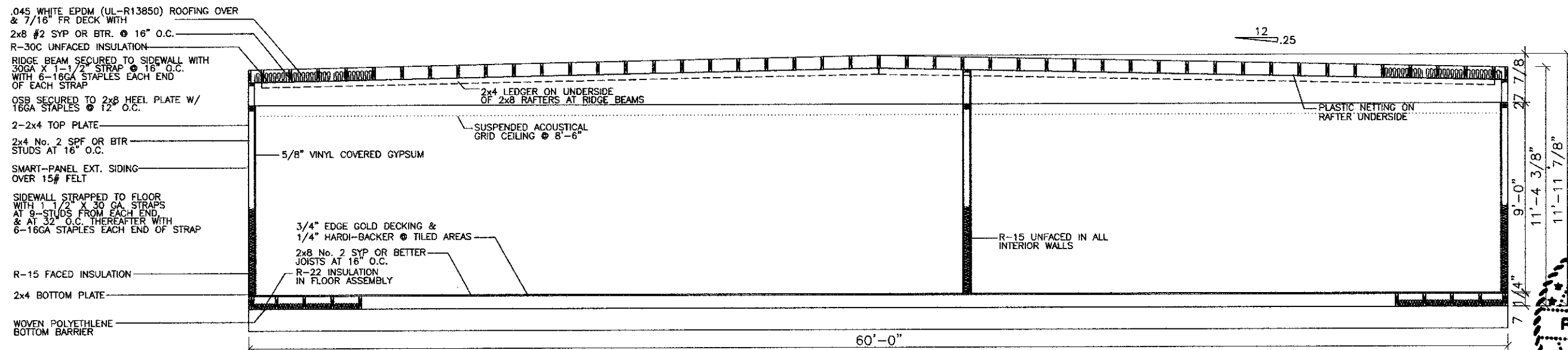
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AMTEX 800 832 EAST WALNUT
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TRANSPORTATION HT.: 14'-11"

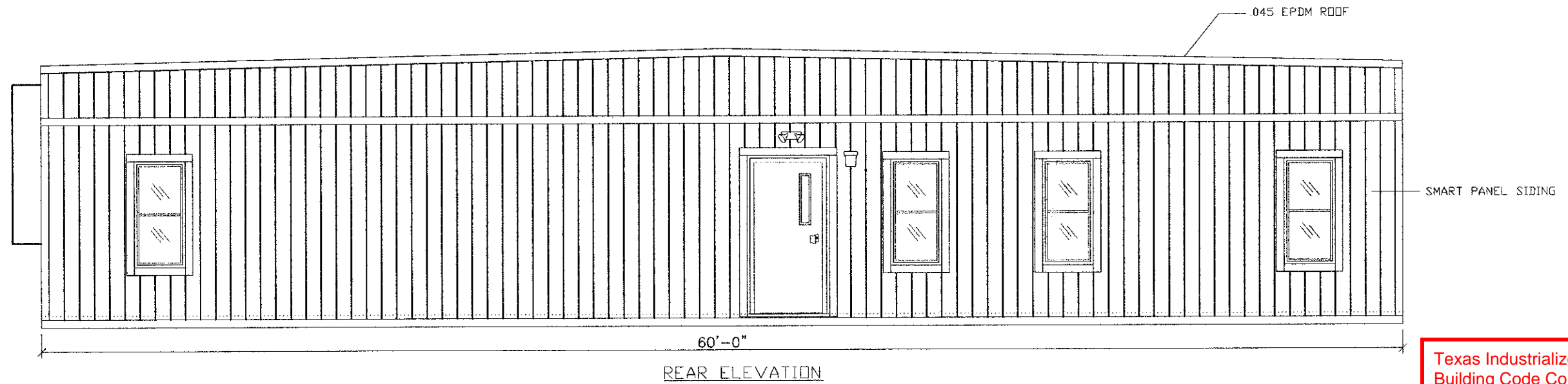


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LTR	REVISION	BY	DATE	DRAWN BY:	PROJECT:	TITLE:		
				N.G.L.	NORTEX "O" SERIES	CROSS SECTION		
				DATE:	SCALE:	DWG. NO.	SHEET	
				5/22/09	3/16"=1'0"	N1464-NOC	A3	



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(972) 276-7626 FAX: (972) 276-5105
Email: engineering@amtexcorp.com



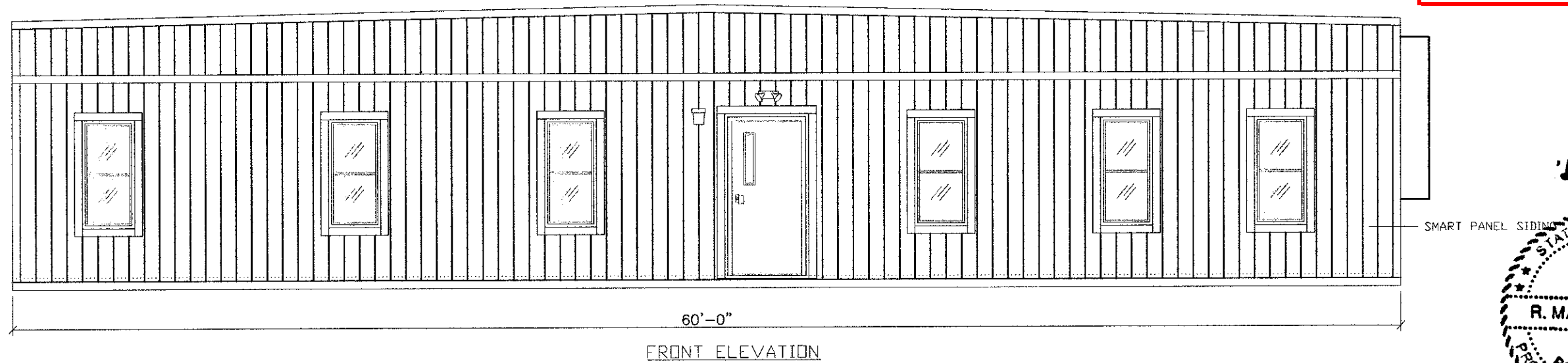
Texas Industrialized
Building Code Council

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Approval Date:
6/12/09

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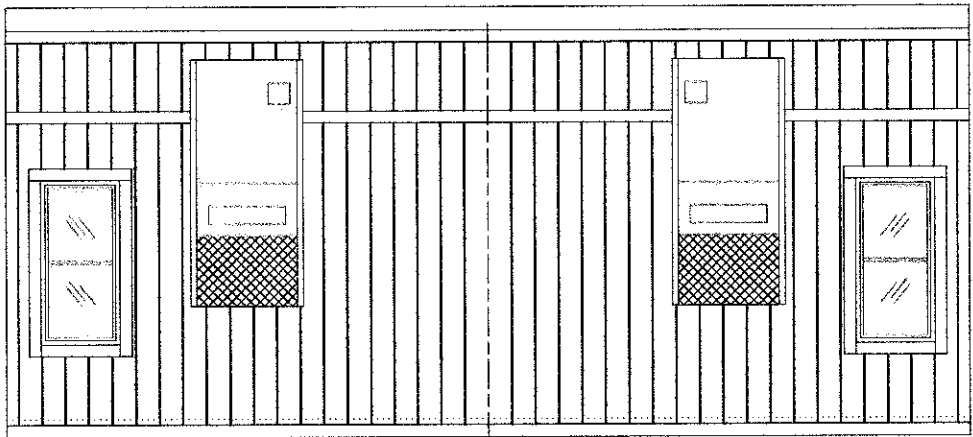
IHDRA- 7



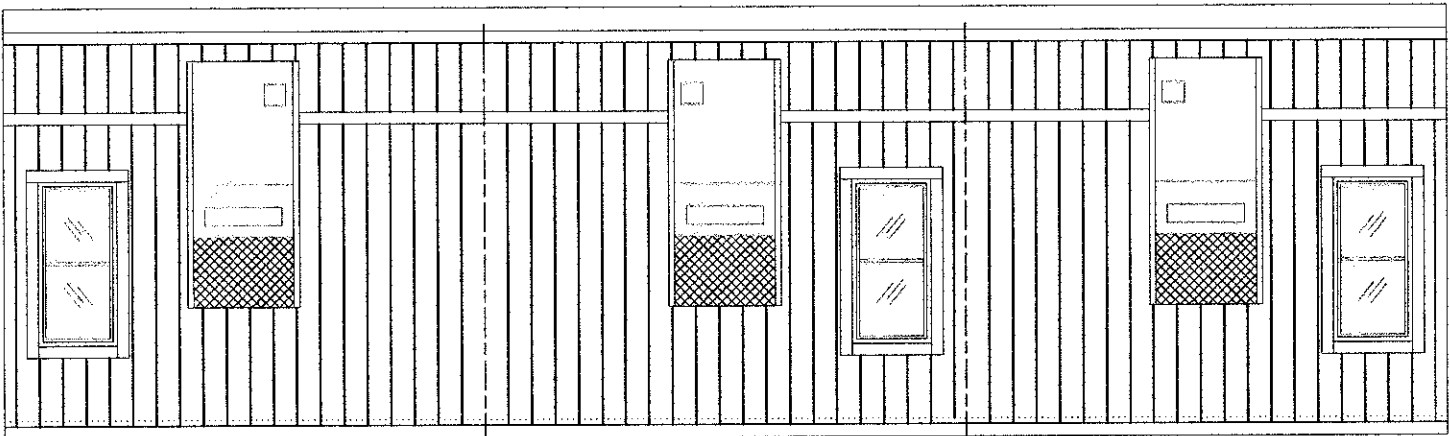
JUN 11 2009

MARK STEELE, P.E.
5139 N. TOM MURRAY AVE.
GLENDALE, TX 75040
3209.3300

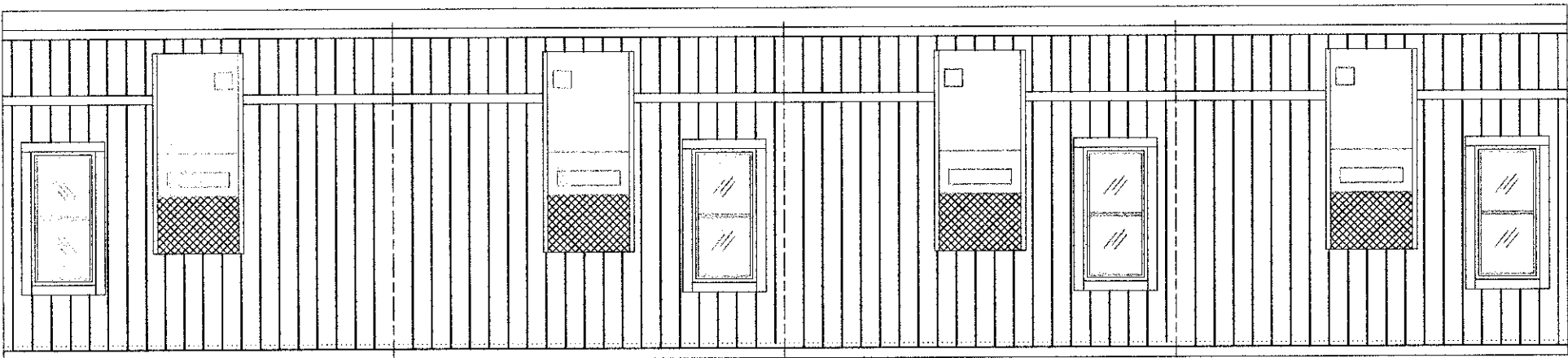
LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: EXTERIOR ELEVATION	CROSS SECTION	
				DATE: 5/22/09	SCALE: 3/16"=1'0"	DWG. NO. N1464-NOC	SHEET A3.1	AMTEX
								832 EAST WALNUT GARLAND, TX 75040
								(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com



DOUBLE WIDE HITCH END
ELEVATION



TRIPLE WIDE HITCH END
ELEVATION



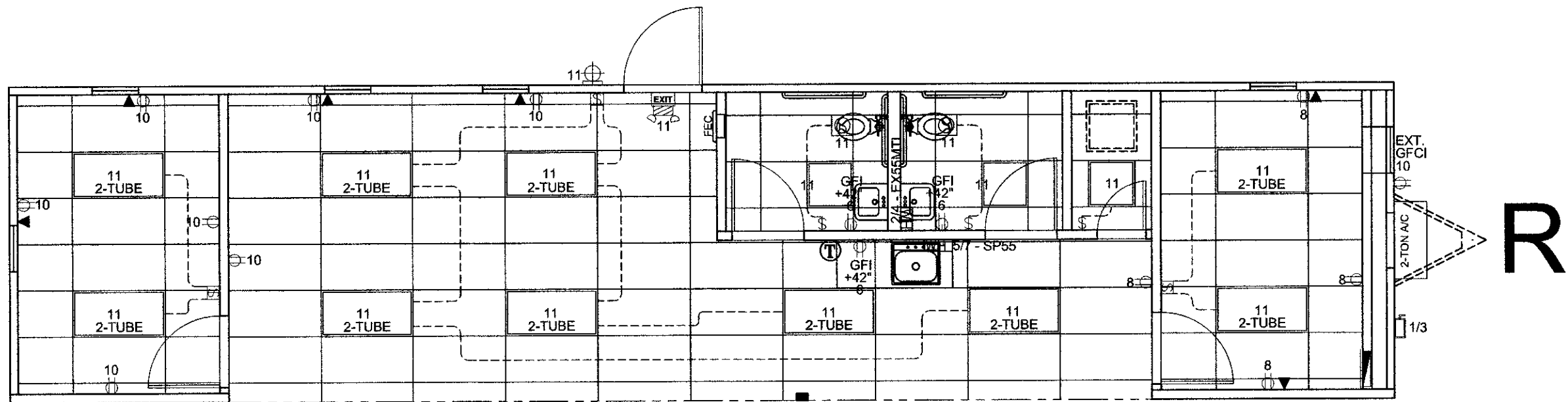
QUAD WIDE HITCH END ELEVATION

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JUN 11 2009

MARK STEELE, P.E.
5139 N. TOM MURRAY AVE.
GLENDALE, TX 75040
850.209.3300

LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: EXTERIOR ELEVATION	CROSS SECTION	
				DATE: 5/22/09	SCALE: 3/16"=1'0"	DWG. NO. N1464-NOC	SHEET A3.2	AMTEX 832 EAST WALNUT GARLAND, TX 75040 (972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com




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









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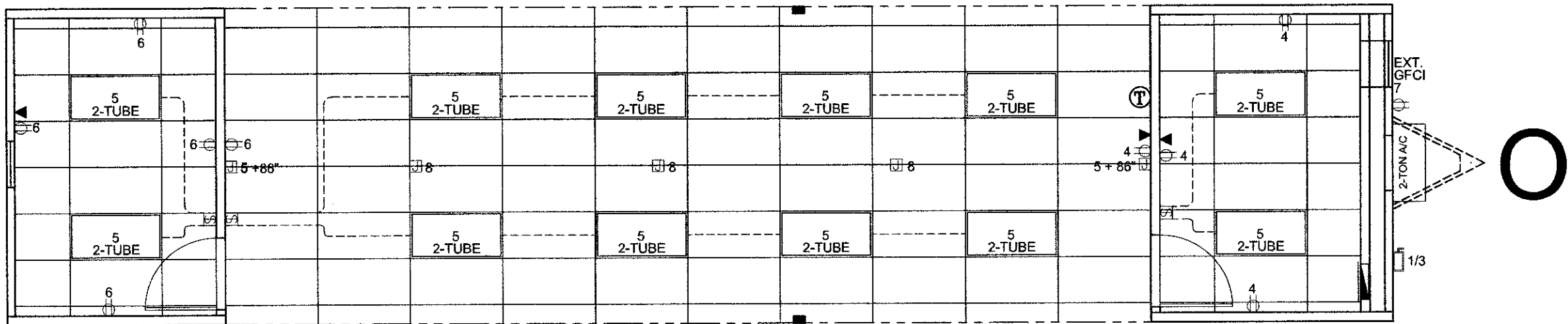


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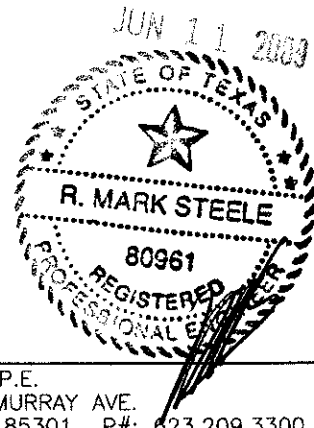


SYMBOL LEGEND

<div>2-TUBE</div> <div>2'x4' T-8 2 TUBE TROFFER W/ DIFFUSED LENS</div>		<div></div> EXT. PORCH LIGHT W/ PHOTO CELL	<div></div> 120v DOUBLE TOGGLE SWITCH	<div></div> 120V DUPLEX RECEP.	<div></div> 125 AMP LOAD CENTER	<div></div> EMER./EXIT W/ BATT. BACKUP
<div></div> 110CFM EXHAUST FAN ONLY		<div></div> PHONE / DATA JACK STUB-IN LGTN	<div></div> 120v SINGLE TOGGLE SWITCH	<div></div> 120V GFI DUPLEX RECEP.	<div></div> THERMOSTAT LOCATION (+48")	<div></div> EXT. DISCONNECT
LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: ELECTRICAL
				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOR
						SHEET E-1
				<div> 832 EAST WALNUT GARLAND, TX 75040</div>		
				(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com		

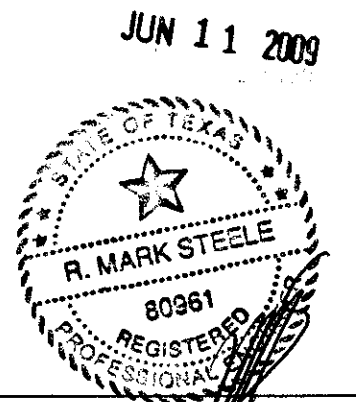
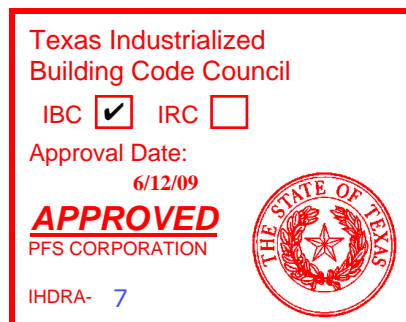
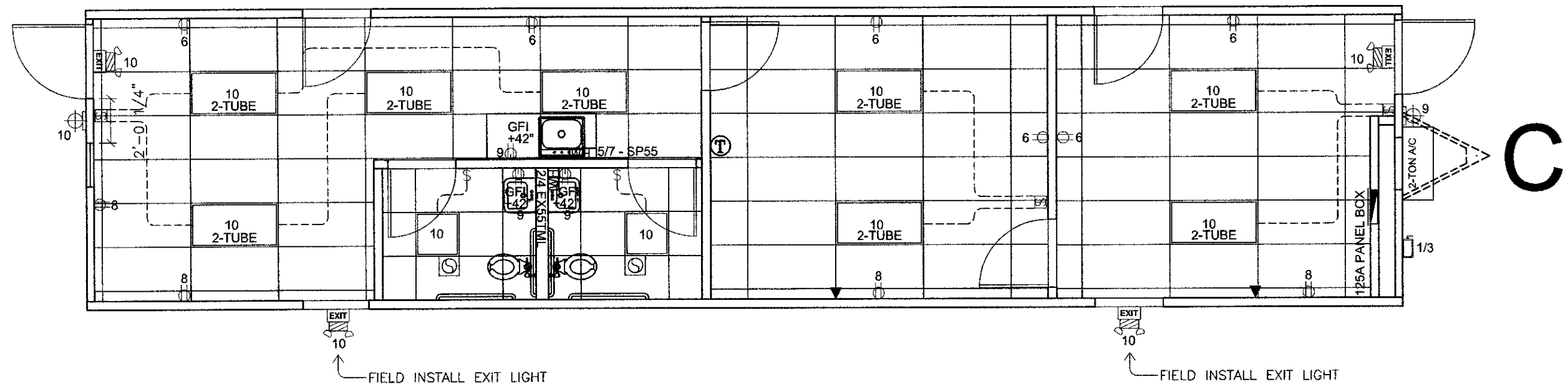


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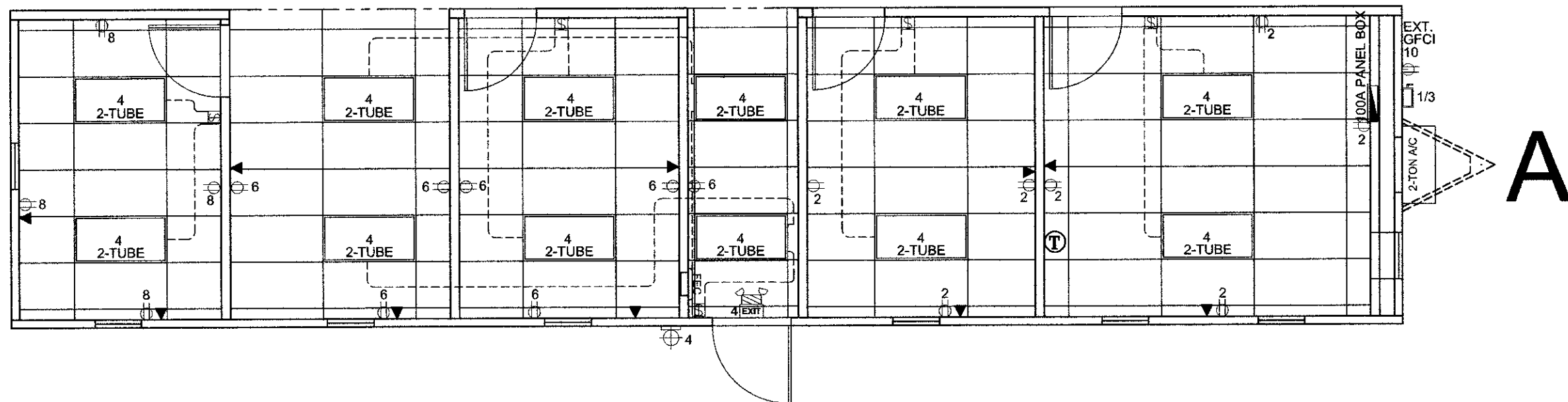
SYMBOL LEGEND

<div>2-TUBE</div> <div>2'x4' T-8 2 TUBE TROFFER W/ DIFFUSED LENS</div>		<div></div> EXT. PORCH LIGHT W/ PHOTO CELL	<div></div> 120v DOUBLE TOGGLE SWITCH	<div></div> 120V DUPLEX RECEP.	<div></div> 125 AMP LOAD CENTER	<div></div> EMER./EXIT W/ BATT. BACKUP
<div></div> WIRED J-BX STUB-IN ABOVE CEILING		<div></div> PHONE / DATA JACK STUB-IN LCTN	<div></div> 120v SINGLE TOGGLE SWITCH	<div></div> 120V GFI DUPLEX RECEP.	<div></div> THERMOSTAT LOCATION (+48°)	<div></div> EXT. DISCONNECT
LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: ELECTRICAL
				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOO
						SHEET E-2
						<div>AMTEx</div> <div>MARK STEELE, P.E. 5139 N. TOM MURRAY AVE. GLENDALE, AZ. 85301 P#: 623.209.3300</div> <div>832 EAST WALNUT GARLAND, TX 75040</div> <div>(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com</div>

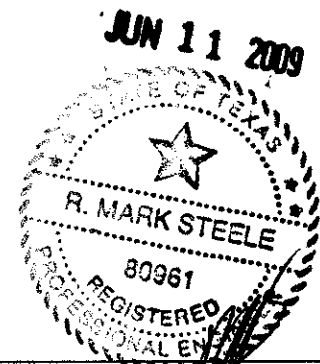


SYMBOL LEGEND

2-TUBE	2'x4' T-8 2 TUBE TROFFER W/ DIFFUSED LENS		EXT. PORCH LIGHT W/ PHOTO CELL		120v DOUBLE TOGGLE SWITCH		120V DUPLEX RECEPT.		125 AMP LOAD CENTER		EMER./EXIT W/ BATT. BACKUP
	110CFM EXHAUST FAN ONLY		PHONE / DATA JACK STUB-IN LCTN		120v SINGLE TOGGLE SWITCH		120V GFI DUPLEX RECEPT.		THERMOSTAT LOCATION (+48")		EXT. DISCONNECT
LTR	REVISION	BY	DATE	DRAWN BY:	N.G.L.	PROJECT:	NORTEX "O" SERIES	TITLE:	ELECTRICAL	SHEET	E-3
				DATE:	5/22/09	SCALE:	3/16"=1'-0"	DWG. NO.	N1464-NOC	AMTEX 832 EAST WALNUT GARLAND, TX 75040 (972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com	



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SYMBOL LEGEND

2-TUBE	2'x4' T-8 2 TUBE TROFFER W/ DIFFUSED LENS	EXT. PORCH LIGHT W/ PHOTO CELL	120v DOUBLE TOGGLE SWITCH	120V DUPLEX RECEP.	100 AMP LOAD CENTER	EMER./EXIT W/ BATT. BACKUP
110CFM EXHAUST FAN ONLY	PHONE / DATA JACK STUB-IN LCTN	120v SINGLE TOGGLE SWITCH	120V GFI DUPLEX RECEP.	THERMOSTAT LOCATION (+48")	EXT. DISCONNECT	MARK STEELE, P.E. 5139 N. TOM MURRAY AVE GLENDALE, AZ. 85301 P: 623.209.3300
LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: ELECTRICAL
				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOA
						SHEET E-4
						AMTEX 832 EAST WALNUT GARLAND, TX 75040 (972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com

PANEL BOX "R" LOAD CALCULATION

01 2-TON AC W/5KW (HEATING CONTROLS) 5624 WATTS

OTHER LOADS:

08 TWO TUBE FLR. LIGHT AT 61 WATTS EACH X 125% 1220 WATTS

02 U TUBE FLR. LIGHT AT 31 WATTS EACH X 125% 50 WATTS

01 FLUORESCENT PORCH LIGHT AT 13 WATTS EACH X 125% 17 WATTS

08 120v RECEPTACLES AT 180 WATTS EACH 1440 WATTS

03 GFI 120v RECEPTACLES AT 180 WATTS EACH 540 WATTS

01 W.P. EXT. GFCI 120v RECEP. AT 180 WATTS 180 WATTS

01 EMER/EXIT SIGN W/ BATT. BACKUP AT 18 WATTS X 125% 23 WATTS

02 110CFM EXHAUST FAN AT 156 WATTS 312 WATTS

01 EEMAX EX55TML WATER HEATER AT 5500 WATTS 5500 WATTS


01 EEMAX SP-55 WATER HEATER AT 5500 WATTS 5500 WATTS

20406 WATTS


TOTAL LOADS:
20406 WATTS÷240 = 86 AMPS

PANEL BOX 'R' 125 AMP							
WIRE	CIRCUIT	AMP		AMP		CIRCUIT	WIRE
#10	HVAC UNIT	30	1	2	30	EEMAX EX55TML	#10
		2P	3	4	2P		
#10	EEMAX SP55	30	5	6	20	RECEPTACLE	#12
		2P	7	8	20	RECEPTACLE	#12
-	OPEN	-	9	10	20	RECEPTACLE	#12
#12	LIGHTS	20	11	12	-	OPEN	-
GROUND BAR				NEUTRAL			

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LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: PANEL BOX & ELECTRICAL CALCS.	<div>AMTEX</div> <div>882 EAST WALNUT GARLAND, TX 75040</div> <div>(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com</div>
				DATE: 5/22/09	SCALE: N.T.S.	DWG. NO. N1464-NOR	
						SHEET E-1.1	

PANEL BOX "A" LOAD CALCULATION

01 2-TON AC W/5KW (HEATING CONTROLS) 5624 WATTS

OTHER LOADS:

12 TWO TUBE FLR. LIGHT AT 61 WATTS EACH X 125% 915 WATTS

09 120v RECEPTACLES AT 180 WATTS EACH 1620 WATTS

05 120v WIRED J-BOXES 180 WATTS EACH 900 WATTS

01 W.P. EXT. GFCI 120v RECEP. AT 180 WATTS 180 WATTS

TOTAL LOADS:
9239 WATTS÷240 = 39 AMPS

9239 WATTS

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PANEL BOX 'A' 100 AMP							
WIRE	CIRCUIT	AMP		AMP		CIRCUIT	WIRE
#10	HVAC UNIT	30	1	2	1	OPEN	-
		2P	3	4	20	LIGHTS	
#12	WIRED J-BOXES	20	5	6	20	RECEPTACLE	#12
-	OPEN	-	7	8	20	WIRED J-BOXES	#12
-	OPEN	-	9	10	-	OPEN	-
-	OPEN	-	11	12	-	OPEN	-
GROUND BAR				NEUTRAL			

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LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: PANEL BOX & ELECTRICAL CALCS.	AMTEx 809 EAST WALNUT GARLAND, TX 75040 (972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com
				DATE: 5/22/09	SCALE: N.T.S.	DWG. NO. N1464-NOO	
						SHEET E-2.1	

PANEL BOX "C" LOAD CALCULATION

01 2-TON AC W/ 5KW (HEATING CONTROLS)	5624 WATTS
OTHER LOADS:	
08 TWO TUBE FLR. LIGHT AT 61 WATTS EACH X 125%	1220 WATTS
02 U TUBE FLR. LIGHT AT 31 WATTS EACH X 125%	50 WATTS
02 FLUORESCENT PORCH LIGHT AT 13 WATTS EACH X 125%	78 WATTS
10 120v RECEPTACLES AT 180 WATTS EACH	1800 WATTS
03 GFI 120v RECEPTACLES AT 180 WATTS EACH	540 WATTS
04 EMER/EXIT SIGN W/ BATT. BACKUP AT 18 WATTS X 125%	90 WATTS
02 110CFM EXHAUST FAN AT 156 WATTS	312 WATTS
01 EEMAX EX55TML WATER HEATER AT 5500 WATTS	5500 WATTS
01 EEMAX SP-55 WATER HEATER AT 5500 WATTS	5500 WATTS
TOTAL LOADS:	20714 WATTS
20714 WATTS÷240 = 87 AMPS	

PANEL BOX "C" 125 AMP							
WIRE	CIRCUIT	AMP		AMP		CIRCUIT	WIRE
#10	HVAC UNIT	30	1	2	30	EEMAX EX55TML	#10
		2P	3	4	2P		
#10	EEMAX SP55	30	5	6	20	RECEPTACLE	#12
		2P	7	8	20	RECEPTACLE	#12
#12	GFI	20	9	10	20	LIGHTS	#12
-	OPEN	-	11	12	-	OPEN	-
GROUND BAR				NEUTRAL			

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Approval Date:
6/12/09


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LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: PANEL BOX & ELECTRICAL CALCS.	 832 EAST WALNUT GARLAND, TX 75040 (972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com
				DATE: 5/22/09	SCALE: N.T.S.	DWG. NO. N1464-NOC	
						SHEET E-3.1	

PANEL BOX "A" LOAD CALCULATION

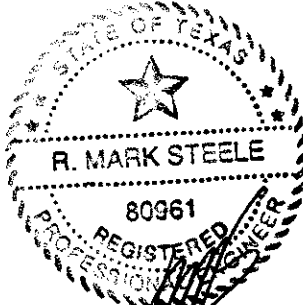
01 2-TON AC W/5KW (HEATING CONTROLS)	5624 WATTS
OTHER LOADS:	
12 TWO TUBE FLR. LIGHT AT 61 WATTS EACH X 125%	915 WATTS
01 FLUORESCENT PORCH LIGHT AT 13 WATTS EACH X 125%	17 WATTS
18 120v RECEPTACLES AT 180 WATTS EACH	3240 WATTS
01 W.P. EXT. GFCI 120v RECEP. AT 180 WATTS	180 WATTS
01 EMER/EXIT SIGN W/ BATT. BACKUP AT 18 WATTS X 125%	23 WATTS
TOTAL LOADS:	9999 WATTS
9999 WATTS÷240 = 42 AMPS	

PANEL BOX 'A' 100 AMP							
WIRE	CIRCUIT	AMP		AMP		CIRCUIT	WIRE
#10	HVAC UNIT	30	1	2	20	RECEPTACLE	#12
		2P	3	4	20	LIGHTS	#12
-	OPEN	-	5	6	20	RECEPTACLE	#12
-	OPEN	-	7	8	20	RECEPTACLE	#12
-	OPEN	-	9	10	20	GFI	#12
-	OPEN	-	11	12	-	OPEN	-
GROUND BAR			NEUTRAL				

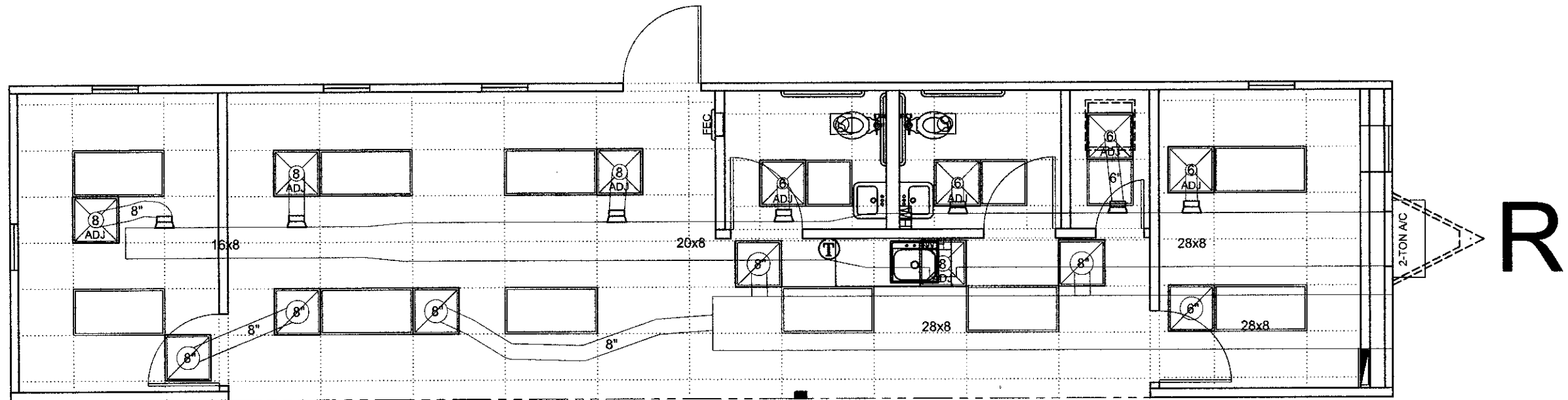
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6/12/09
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JUN 11 2009



LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: PANEL BOX & ELECTRICAL CALCS.	 EAST WALNUT ARLAND, TX 75040 (972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com
				DATE: 5/22/09	SCALE: N.T.S.	DWG. NO. N1464-NOA	
						SHEET E-4.1	



R

SYMBOL LEGEND



24" X 24" DIFFUSER ADJUSTABLE



PREFORATED RETURN DIFFUSER



SCOOP W/ COLLAR

NOTE: ALL SUPPLY DUCT IS R-6.

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Approval Date:
6/12/09

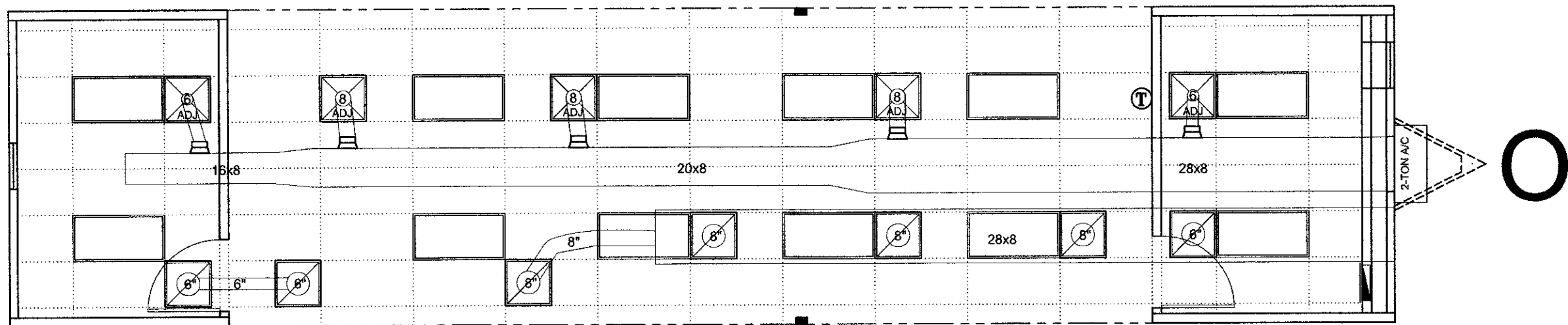
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MARK STEELE, P.E.
5139 N. TOM MURRAY AVE.
GLENDALE, AZ. 85301 P#: 623.209.3300

LTR	REVISION	BY	DATE	DRAWN BY:	PROJECT:	TITLE:	DWG. NO.	SHEET	AMTEx
				N.G.L.	NORTEX "O" SERIES	CEILING & HVAC LAYOUT			832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: 3/16"=1'-0"	N1464-NOR	M-1	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com	



SYMBOL LEGEND



24" X 24" DIFFUSER ADJUSTABLE



PREFORATED RETURN DIFFUSER



SCOOP W/ COLLAR

NOTE: ALL SUPPLY DUCT IS R-6.

Texas Industrialized
Building Code Council

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Approval Date:

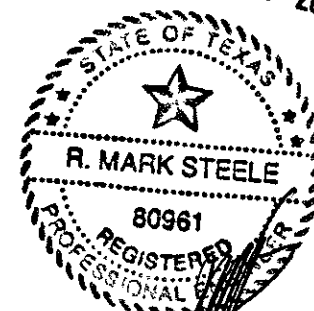
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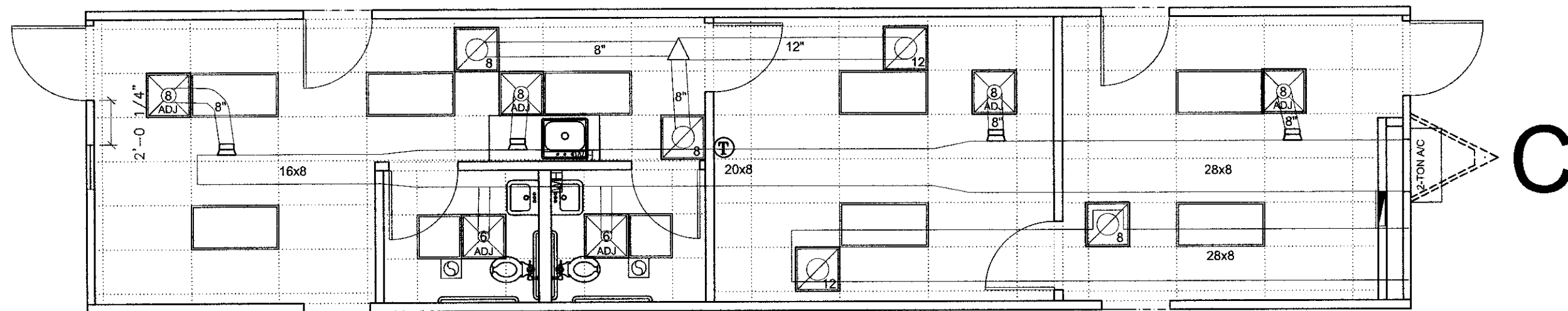


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MARK STEELE, P.E.
5139 N. TOM MURRAY AVE.
GLENDALE, AZ. 85301 P#: 623.209.3300

LTR	REVISION	BY	DATE	DRAWN BY:	PROJECT:	TITLE:	SHEET	AMTEX	832 EAST WALNUT GARLAND, TX 75040
				N.G.L.	NORTEX "O" SERIES	CEILING & HVAC LAYOUT	M-2	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com	
			5/22/09		SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOO			



C

SYMBOL LEGEND



24" X 24" DIFFUSER ADJUSTABLE



PREFORATED RETURN DIFFUSER



SCOOP W/ COLLAR

NOTE: ALL SUPPLY DUCT IS R-6.

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Approval Date:

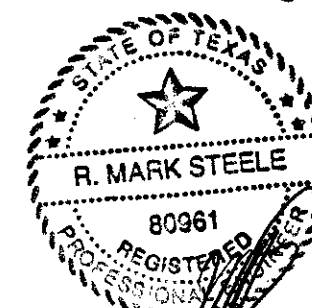
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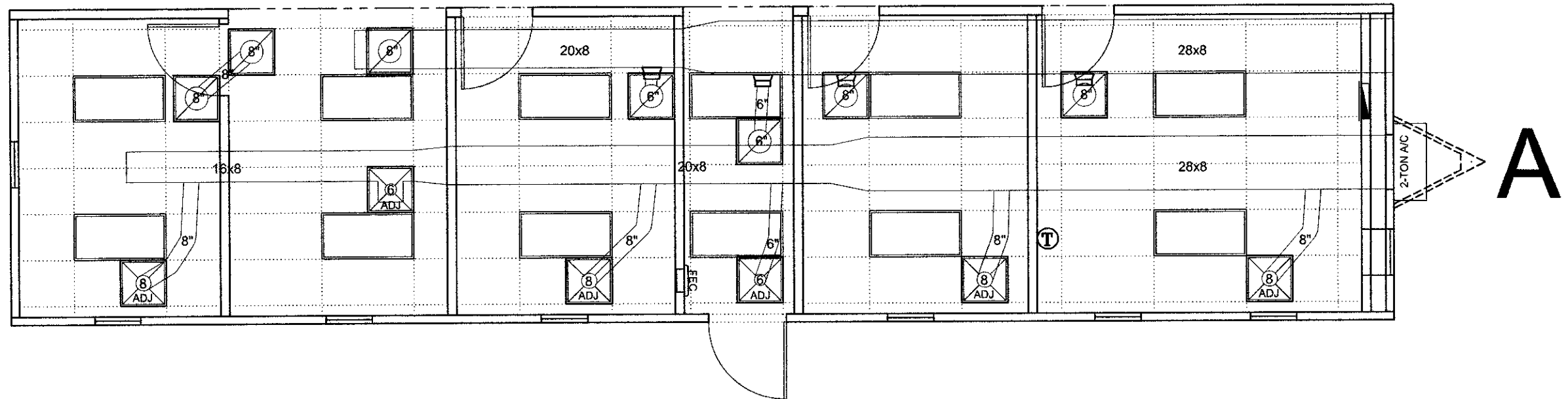


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MARK STEELE, P.E.
5139 N. TOM MURRAY AVE.
GLENDALE, AZ. 85301 P#: 623.209.3300

LTR	REVISION	BY	DATE	DRAWN BY:	PROJECT:	TITLE:	SHEET	AMTEX
				N.G.L.	NORTEX "O" SERIES	CEILING & HVAC LAYOUT	M-3	832 EAST WALNUT GARLAND, TX 75040
				DATE:	SCALE:	DWG. NO.		(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com
				5/22/09	3/16"=1'-0"	N1464-NOC		



SYMBOL LEGEND



24" X 24" DIFFUSER ADJUSTABLE



PREFORATED RETURN DIFFUSER



SCOOP W/ COLLAR

NOTE: ALL SUPPLY DUCT IS R-6.

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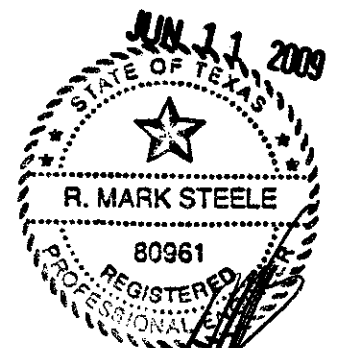
IBC ☒ IRC ☐

Approval Date:

6/12/09

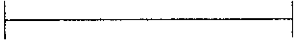
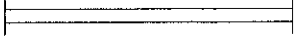
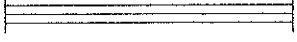
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PFS CORPORATION

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MARK STEELE, P.E.
5139 N. TOM MURRAY AVE.
GLENDALE, AZ. 85301 P#: 623.209.3300

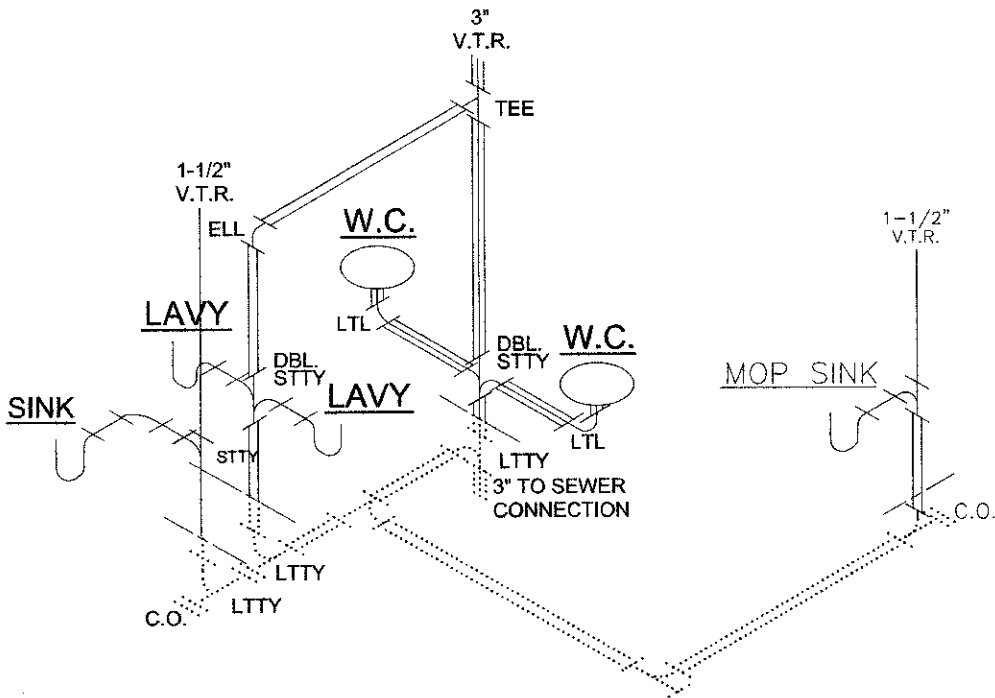
LTR	REVISION	BY	DATE	DRAWN BY:	PROJECT:	TITLE:	SHEET	AMTEX
				N.G.L.	NORTEX "O" SERIES	CEILING & HVAC LAYOUT	M-4	832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOA	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com	

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

NOTE: DRAIN 'TREES' ARE STUBBED THRU FLOOR ONLY AT FACTORY AND FINAL CONNECTION TO SEWER IS TO BE COMPLETED ON-SITE BY OTHERS.

PIPING 2" OR SMALLER SHALL BE SUPPORTED 4' O.C. HORIZONTALLY @ FLOOR, CEILING, & MID-STORY VERTICALLY PER TABLE 308.5 FOOT B OF THE 2006 IPC

MANIFOLD PROVIDED & INSTALLED ON-SITE BY OTHERS.




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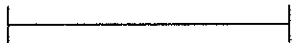
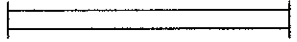

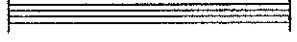
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Approval Date:
6/12/09

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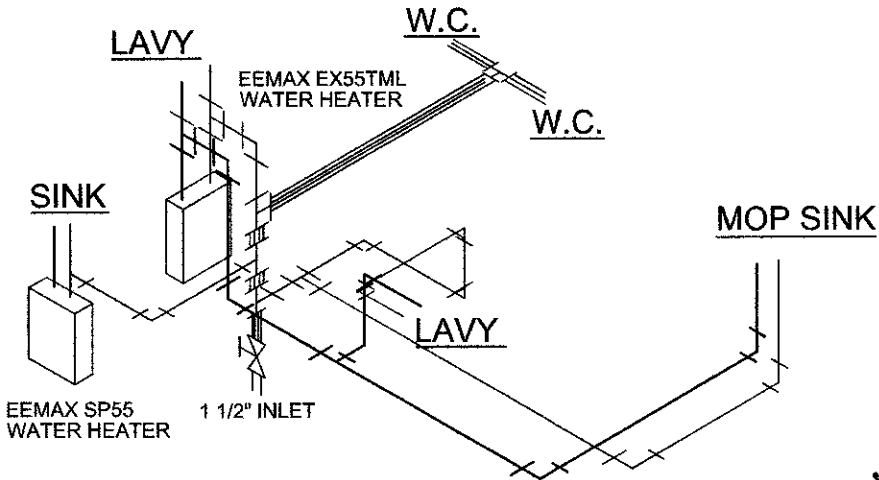
IHDRA- 7



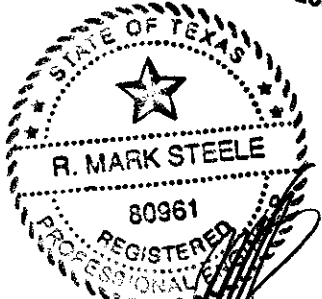
WATER LINE LEGEND	
	1/2" WATER LINE
	3/4" WATER LINE
	1" WATER LINE
	1 1/2" WATER LINE

NOTES:


- PER SECTION 606.2 OF THE 2006 IPC. A SHUT-OFF VALVE SHALL BE INSTALLED AT EACH FIXTURE & WATER HEATER.
- PIPING 1" OR SMALLER SHALL BE SUPPORTED 3' HORIZONTALLY @ FLOOR, CEILING, & MID-STORY VERTICALLY PER TABLE 308.5 FOOTNOTE B OF THE 2006 IPC.
- TANKLESS WATER HEATER SHALL CONFORM TO SECTION 501.6 OF 2006 IPC.



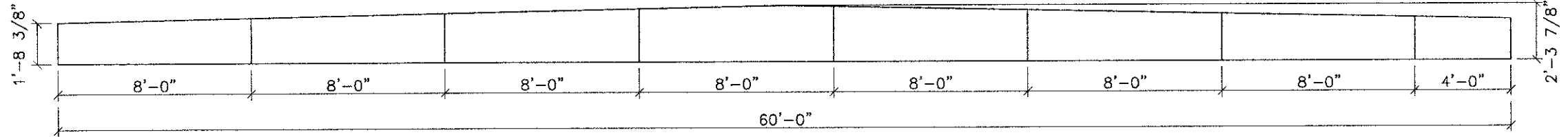
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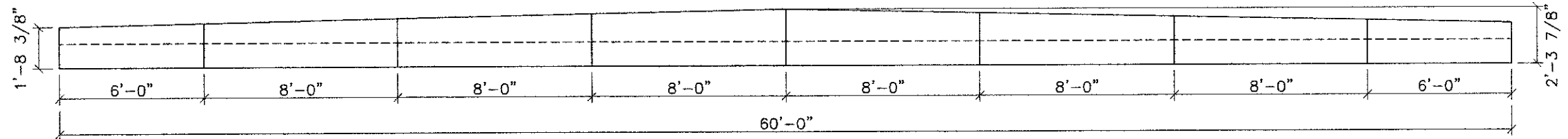
LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: PLUMBING - DRAIN / WATER	<div>  832 EAST WALNUT GARLAND, TX 75040 </div>
				DATE: 5/22/09	SCALE: N.T.S.	DWG. NO. N1464-NOC	
						SHEET P-1	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com

LAYER ONE

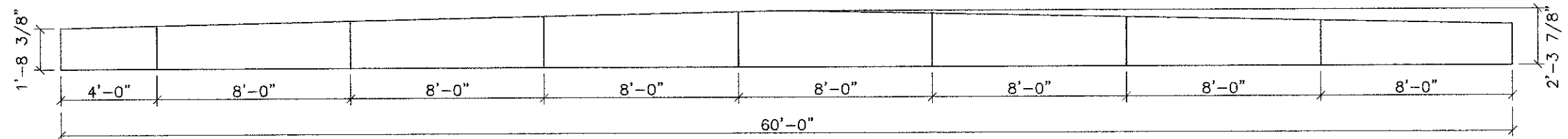


LAYER TWO

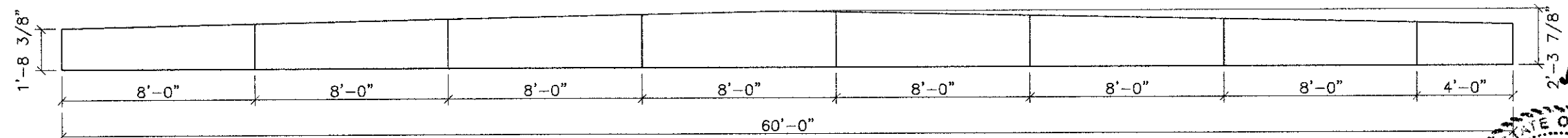
CENTER LAYER MAY BE SPLICED
MAX 1/4" GAP FOR HORIZONTAL SPLICE



LAYER THREE



LAYER FOUR



RIDGE BEAM NOTES:

1. RIDGE BEAM CONSTRUCTION IS THE SAME FOR BOTH SIDES OF UNIT (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.

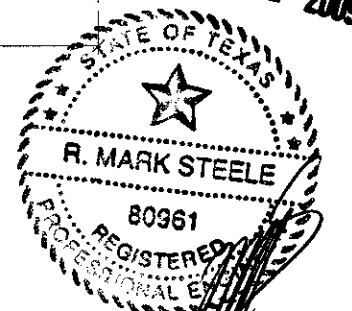
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LTR	REVISION	BY	DATE	DRAWN BY:	PROJECT:	TITLE:	SHEET	AMTEX
				N.G.L.	NORTEX	RIDGE BEAM	S-1	832 EAST WALNUT GARLAND, TX 75040
				DATE:	SCALE:	DWG. NO.		(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com
				5/22/09	3/16"=1'-0"	N1264-NORPLEX		




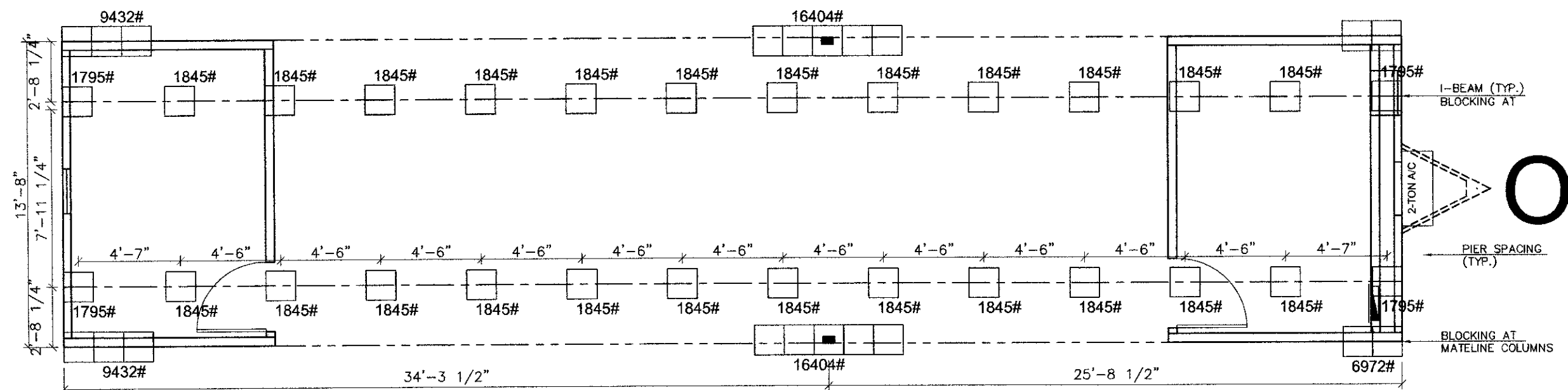
JUN 11 2009



AMTEx

(972) 276-7626 FAX: (972) 276-5105
Email: engineering@amtexcorp.com

LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: BLOCKING / TIE DOWN		 832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOR	SHEET S-2.1	



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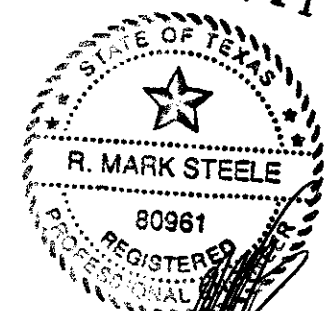
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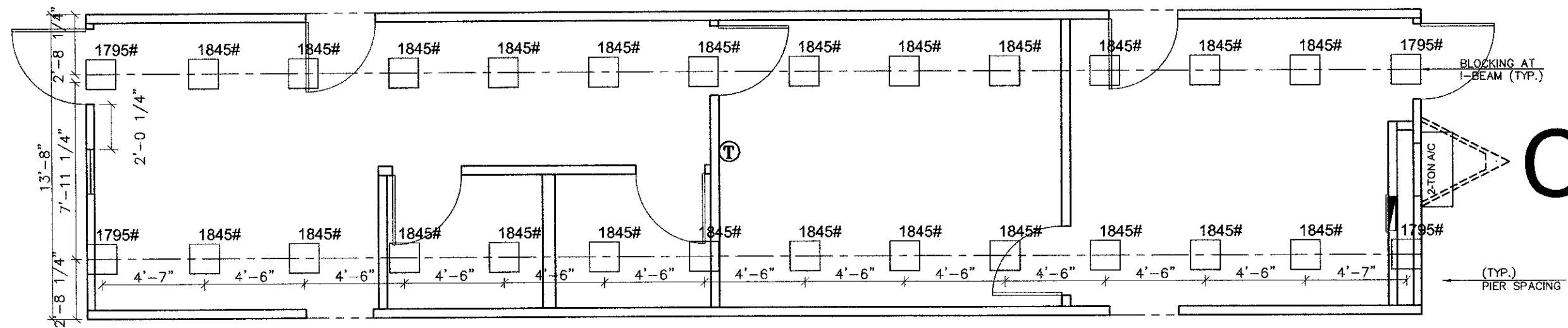


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GLENDALE, AZ. 85301 P#: 623.209.3300

NOTES:

1. SOIL CAPACITY IS ASSUMED TO BE 2000 PSF.
2. PIER SPACING BASED ON ASSUMED PAD SIZE OF 16" X 16".
3. BLOCKS ADDED EACH SIDE OF EXT. DOORS (TYP.)

LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: BLOCKING / TIE DOWN		 832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOO	SHEET S-2.2	



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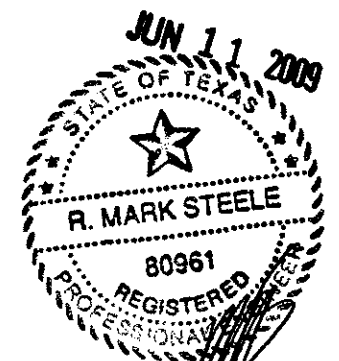
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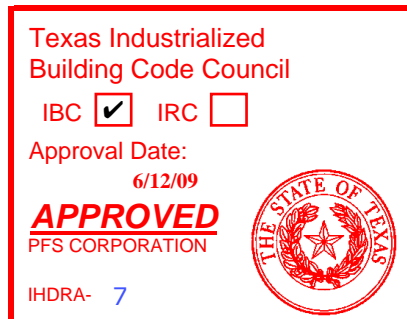
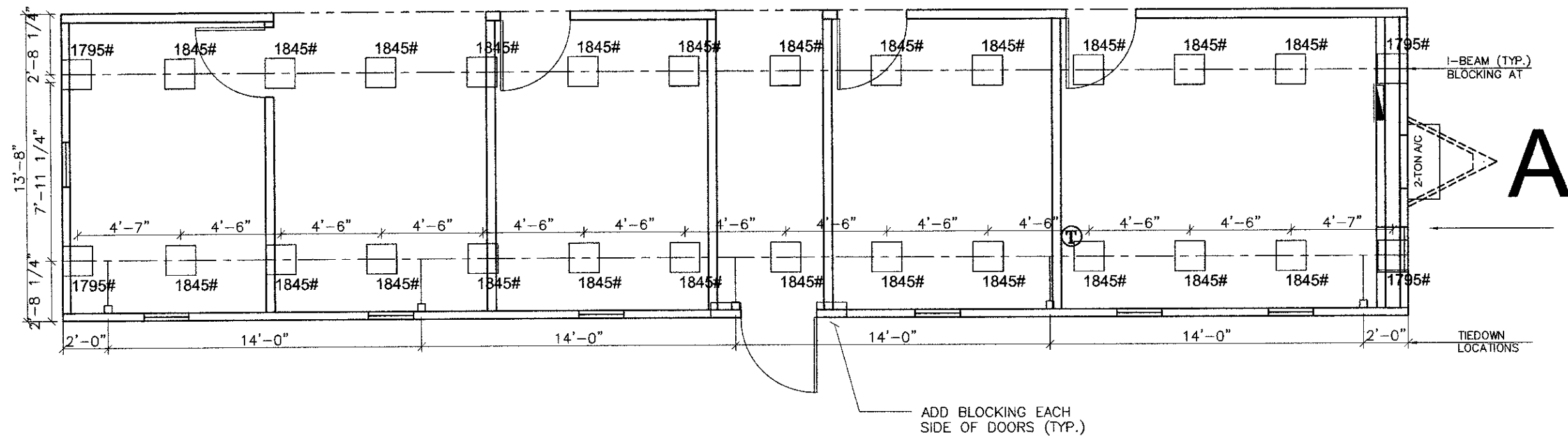
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3. BLOCKS ADDED EACH SIDE OF EXT. DOORS (TYP.)



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LTR	REVISION	BY	DATE	DRAWN BY:	PROJECT:	TITLE:	
				N.G.L.	NORTEX "O" SERIES	BLOCKING / TIE DOWN	
				DATE:	SCALE:	DWG. NO.	SHEET
				5/22/09	3/16"=1'-0"	N1464-NOC	S-2.3
							AMTEX 832 EAST WALNUT GARLAND, TX 75040 (972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com



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3. BLOCKS ADDED EACH SIDE OF EXT. DOORS (TYP.)

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5139 N. TOM MURRAY AVE.
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LTR	REVISION	BY	DATE	DRAWN BY:	PROJECT:	TITLE:	SHEET	AMTEX
				N.G.L.	NORTEX "O" SERIES	BLOCKING / TIE DOWN	S-2.4	832 EAST WALNUT GARLAND, TX 75040
			5/22/09	DATE:	SCALE:	DWG. NO.		(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com
					3/16"=1'-0"	N1464-NOA		