

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:

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 FIRE RATING OR SPRINKLER SYSTEMS SHALL BE INSTALLED ON-SITE BY OTHERS.
4. ANY REQUIRED ALARM SYSTEM SHALL BE INSTALLED ON-SITE BY OTHERS.
5. ANY REQUIRED FLOOR DRAIN FOR THE RESTROOM SHALL BE INSTALLED ON-SITE BY OTHERS.
6. ANY REQUIRED 18" VERTICAL GRABBER SHALL BE & SUPPLIED INSTALLED ON-SITE BY OTHERS.
7. ANY REQUIRED EXTERIOR EMERGENCY LIGHTING 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 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

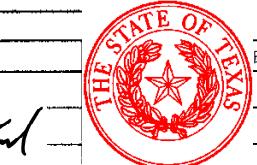
1. OWNER IS TO EXAMINE THE SITE AND SHALL VERIFY ALL EXISTING CONDITIONS, NO PROVISION FOR SITE WORK HAS BEEN INCLUDED. IT IS PRESUMED THAT THE SITE WILL PROVIDE CLEAR ACCESS FOR TRUCKS AND MODULARS.
2. ALL ELECTRICAL, PLUMBING, SEWER & GAS SERVICE CONNECTIONS AND ALL CONCRETE WORK AT THE SITE, TO INCLUDE 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
TEXAS INDUSTRIAL RELIABILITY BOARD (TIRB) COUNCIL
ON HITCH END (IF NO PANEL IS ON UNIT)

This document is proposed pursuant to
the Industrialized Housing and Buildings
Act.

LTR: DRA No: 7 IBC X IRC
Date: 6/12/09



Richard M. Thibault

DRA Signature:

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 FLOURESCENT
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 DIFUSERS

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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HVAC LAYOUT	M-1 - M-4
ELECTRICAL	E-1 - E-4
PANEL BOX & ELEC. CALCS.	E-1.1 - E4.1
PLUMBING	P-1
ROOF BEAM	S-1
ANCHORING & TIEDOWN PLAN	S-2.1 - S2.4
HEAT LOSS CALCULATIONS	SEE ATTACHED

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RICHARD M. THIBAULT

11 JUN 2009

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ltr	revision	N.G.L.	Project:	COVER SHEET / SPECIFICATIONS	Sheet	
	Date:	5/22/09	scale:	N.T.S.	Dwg. No.	A-1

ENERGY DESIGN INFORMATION:

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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Approval Date:

6/12/09

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PFS CORPORATION



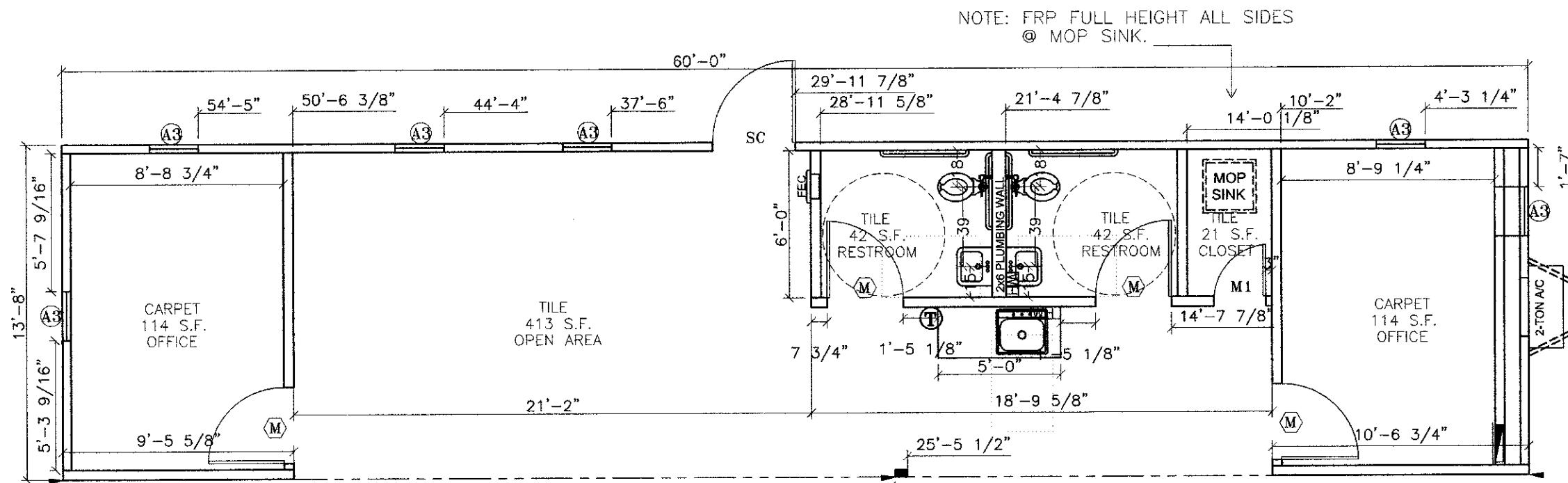
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JUN 11 2009



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LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: ENERGY DESIGN INFORMATION		AM'TEX CORP	832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: N.T.S.	DWG. NO. N1464-NOC	SHEET A-1.1	(972) 276-7626	FAX: (972) 276-5105 Email: engineering@amtexcorp.com



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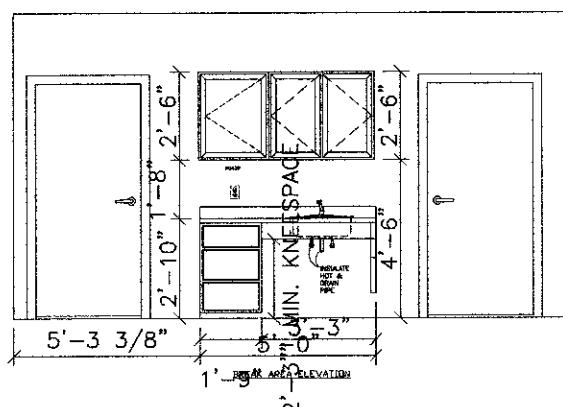
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MINIMUM 4-2x4 STUD SYP No. 2 COLUMNS
WITH MIN. 3-18ga X 1-1/4" STRAPS FASTENED
WITH MINIMUM 8-EACH NO 8 SCREWS EACH
END OF EACH STRAP.

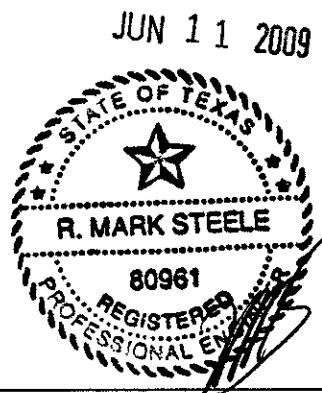


SCHEDULE \ LEGEND

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"

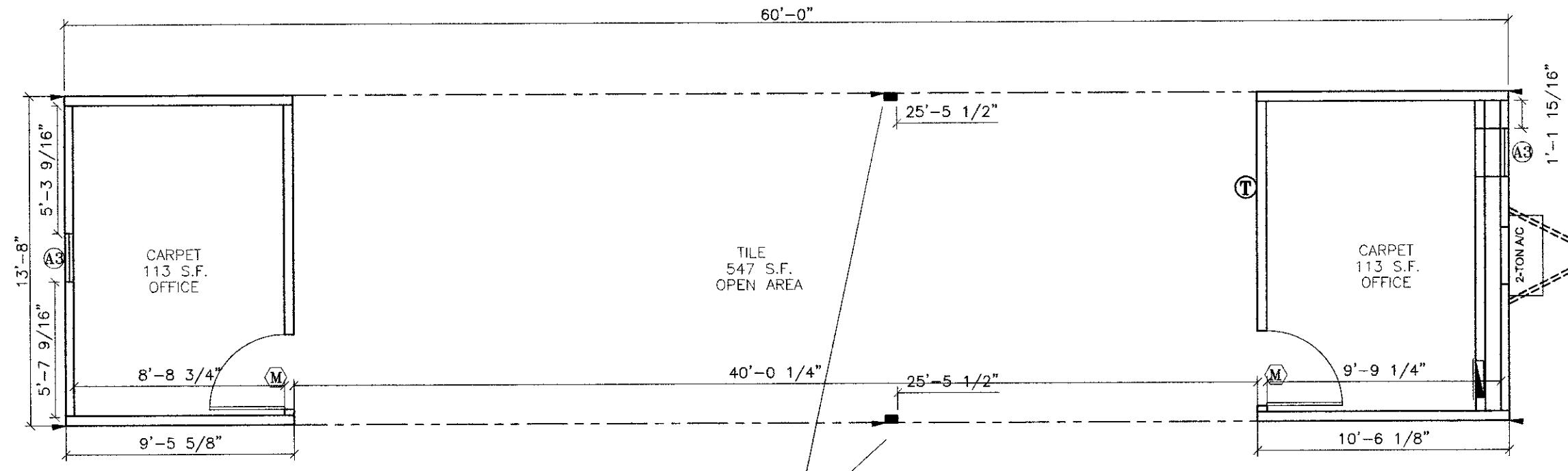
SW = SHEARWALL (REF. AMTEX DESIGN MANUAL;
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				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOR	SHEET A-2.1	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com



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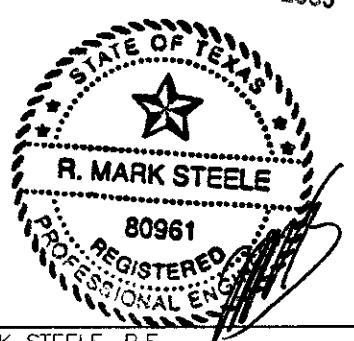
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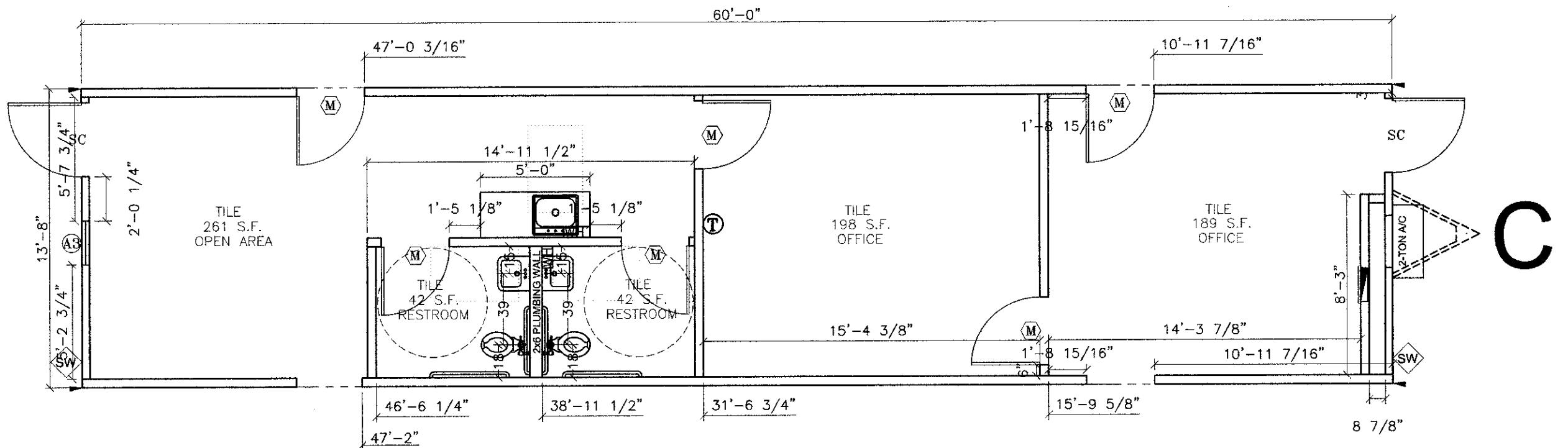
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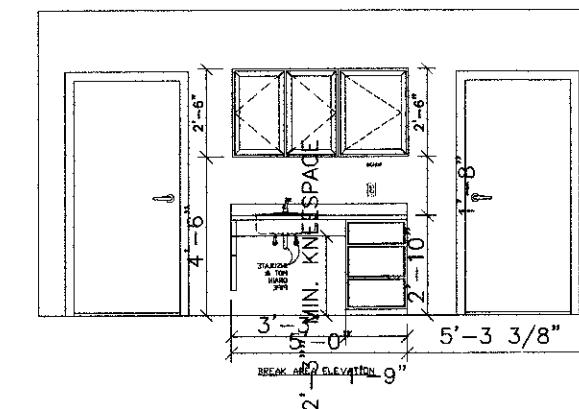
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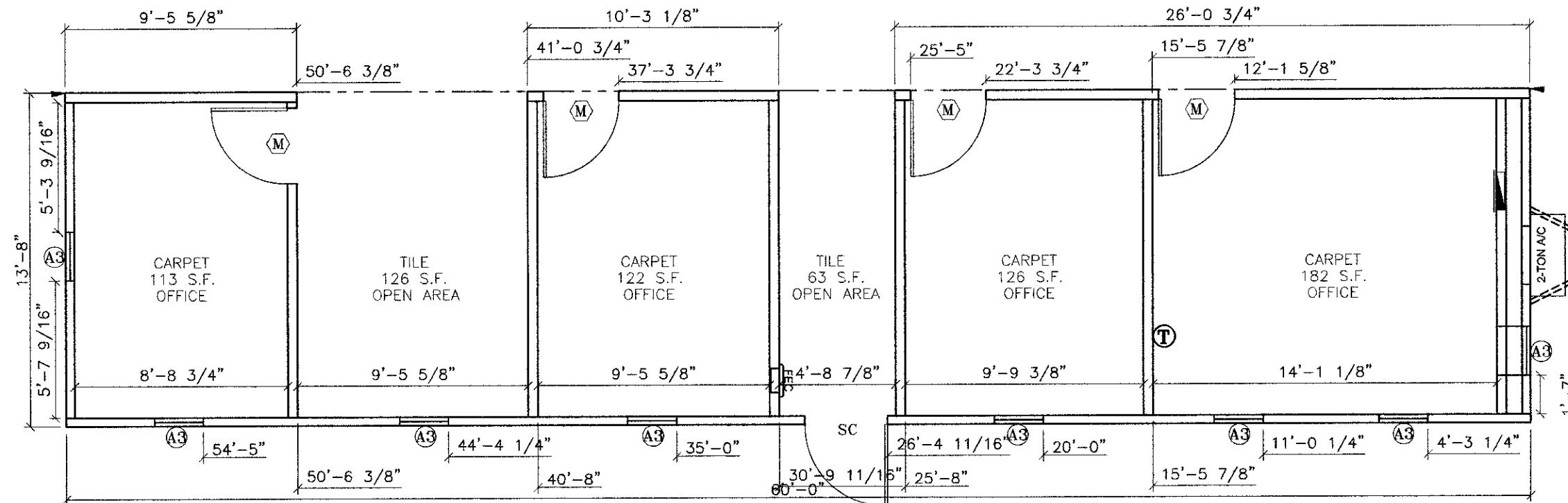
R. MARK STEELE
80961
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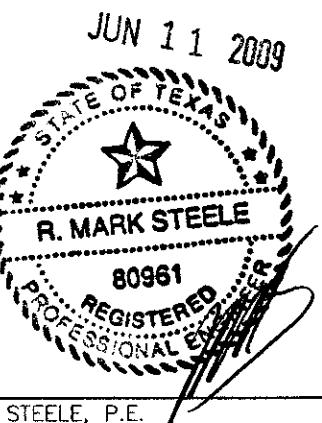
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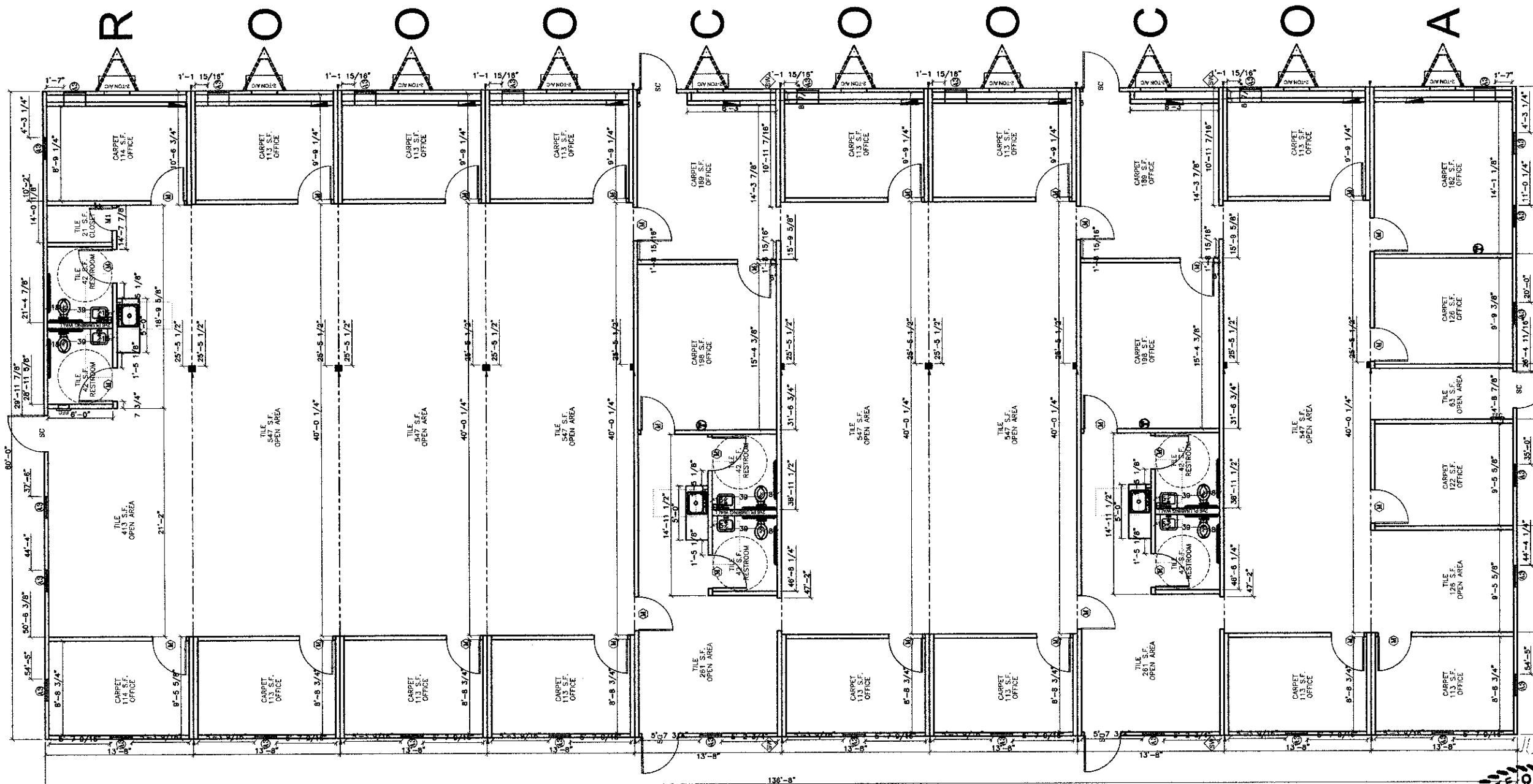
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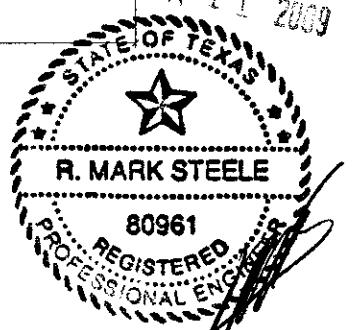
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JUN 21 2000



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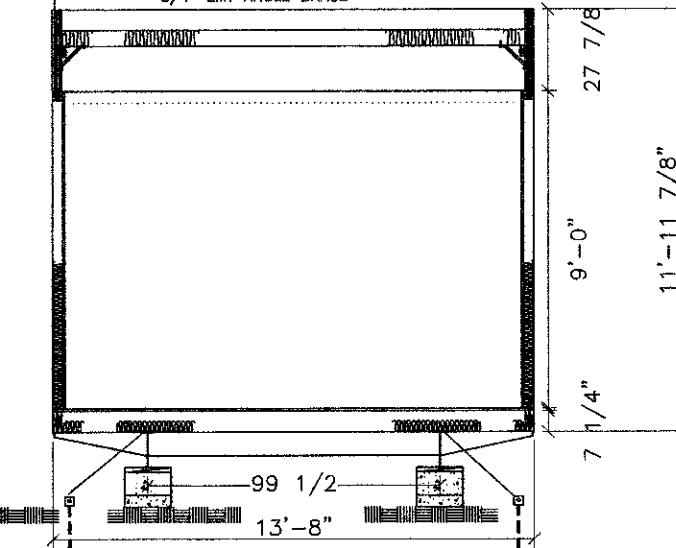
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(3) LAYER 3/4" PLYWOOD MATE BEAM
④ MATE LINE.

FASTEN EACH RAFTER/TRUSS TO MATE BEAM WITH .131X3-1/4" NAILS (4) PER ADD 30 GA. STRAP TO EACH LOCATION
ATTACH STRAP TO RAFTER AND MATE BEAM W/ (6) 16 GA. STAPLES AT EACH END OF STRAP.
INSTALL 2X4 LEDGER FULL LENGTH OF CLEAR SPANS ATTACH W/ (4).131X3-1/4 NAILS UNDER EACH RAFTER
3/4" EMT ANGLE BRACE INSTALLED FROM BOTTOM OF BEAM TO RAFTER AT 8'-0" O.C.
INSTALL 1-LAG SCREW EACH END
3/4" EMT ANGLE BRACE



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TRANSPORTATION HT.: 14'-11"

.045 WHITE EPDM (UL-R13850) ROOFING OVER & 7/16" FR DECK WITH

2x8 #2 SYP OR BTR. @ 16" O.C.

R-30C UNFACED INSULATION

RIDGE BEAM SECURED TO SIDEWALL WITH 30GA X 1-1/2" STRAP @ 16" O.C. WITH 6-16GA STAPLES EACH END OF EACH STRAP

OSB SECURED TO 2x8 HEEL PLATE W/ 16GA STAPLES @ 12" O.C.

2-2x4 TOP PLATE

2x4 No. 2 SPF OR BTR STUDS AT 16" O.C.

SMART-PANEL EXT. SIDING OVER 15# FELT

SIDEWALL STRAPPED TO FLOOR WITH 1 1/2" X 30 GA. STRAPS AT 9-STUDS FROM EACH END & AT 32" O.C. THEREAFTER WITH 6-16GA STAPLES EACH END OF STRAP

R-15 FACED INSULATION

2x4 BOTTOM PLATE

WOVEN POLYETHYLENE BOTTOM BARRIER

2x4 LEDGER ON UNDERSIDE OF 2x8 RAFTERS AT RIDGE BEAMS

SUSPENDED ACoustICAL GRID CEILING @ 8'-6"

5/8" VINYL COVERED GYPSUM

3/4" EDGE GOLD DECKING & 1/4" HARDI-BACKER @ TILED AREAS

2x8 No. 2 SYP OR BETTER JOISTS AT 16" O.C.

R-22 INSULATION IN FLOOR ASSEMBLY

R-15 UNFACED IN ALL INTERIOR WALLS

60'-0"

12'.25

PLASTIC NETTING ON Rafter UNDERSIDE

9'-0"

11'-4 3/8"

11'-11 7/8"

7 1/4"

27 7/8"

R. MARK STEELE
REGISTERED PROFESSIONAL

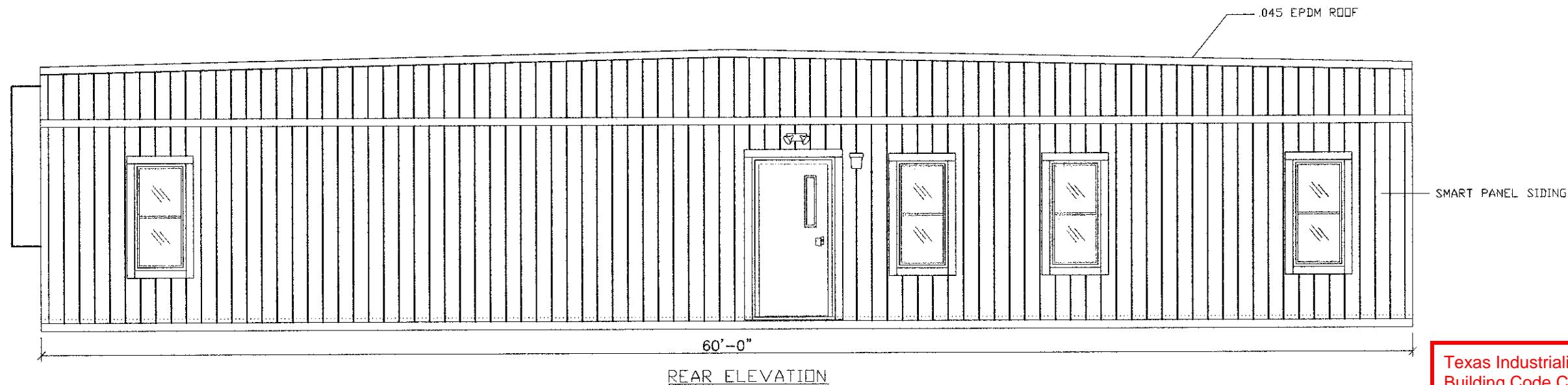
80961

MARK STEELE, P.E.
5139 N. TOM MURRAY AVE.
GLENDALE, AZ. 85301 P#: 623.200.3300



832 EAST WALNUT
GARLAND, TX 75040

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



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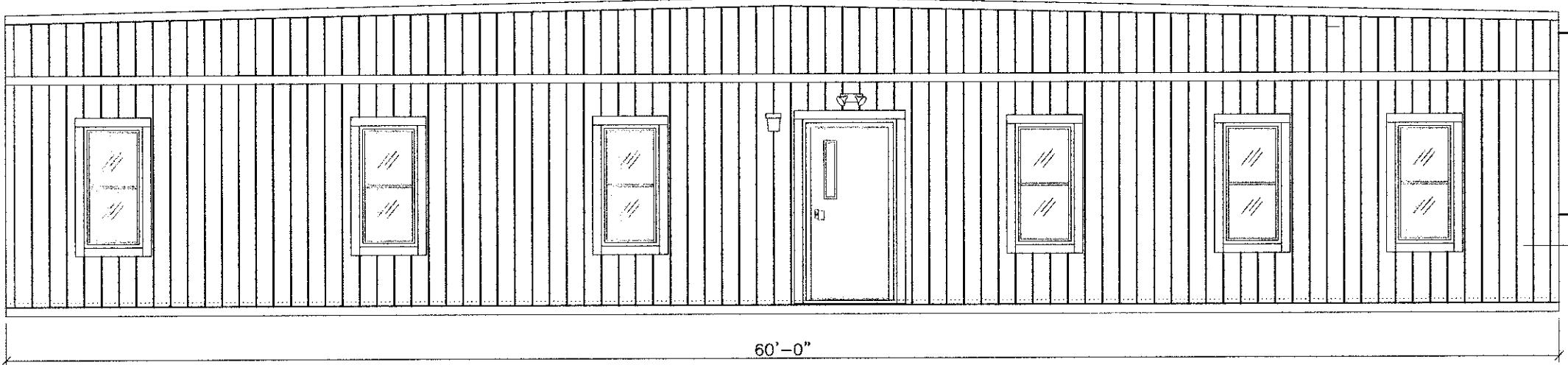
IBC IRC

Approval Date:

6/12/09

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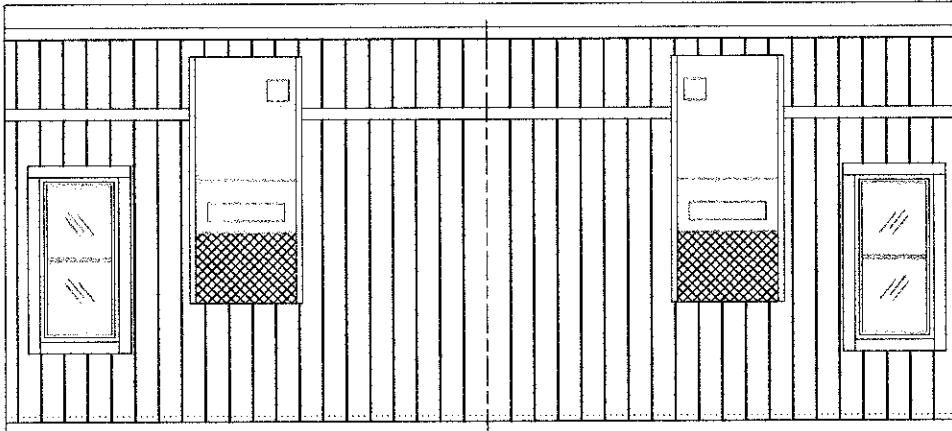


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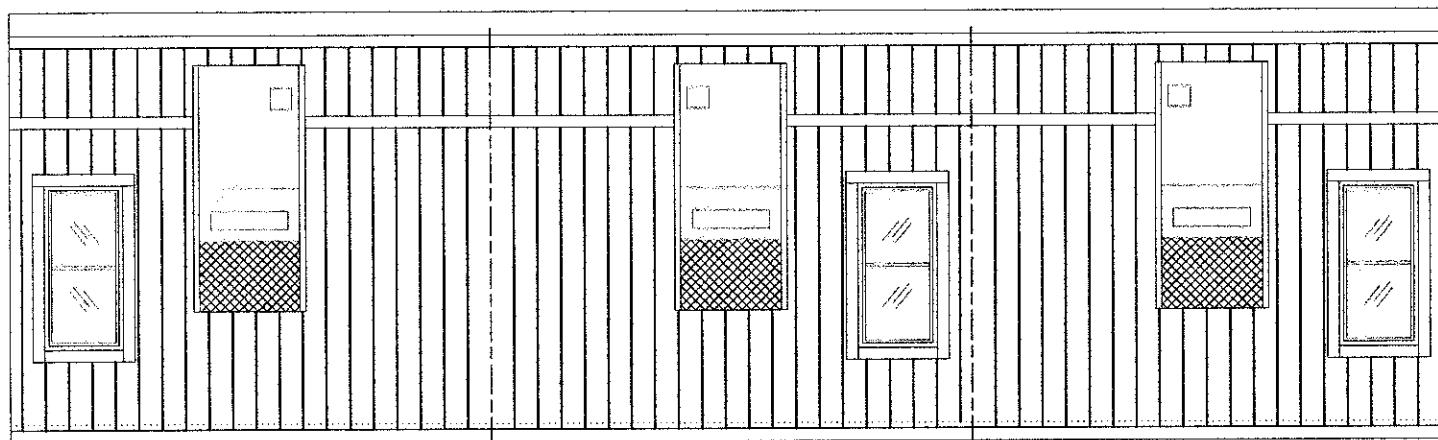


MARK STEELE, P.E.
5139 N. TOM MURRAY AVE.
GLENDALE, AZ 85334
CROSS SECTION NO. 3.209.3300

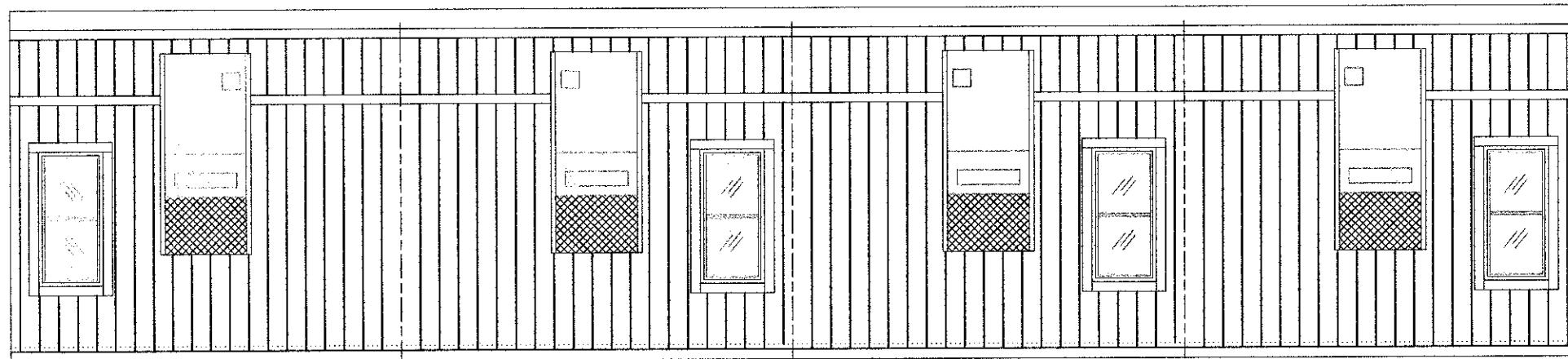
LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: EXTERIOR ELEVATION		AMTEX CORP.	832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: 3/16"=1'0"	DWG. NO. N1464-NOC	SHEET A3.1	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com	



DOUBLE WIDE HITCH END
ELEVATION



TRIPLE WIDE HITCH END
ELEVATION



QUAD WIDE HITCH END ELEVATION

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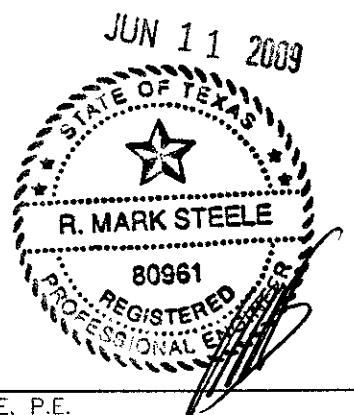
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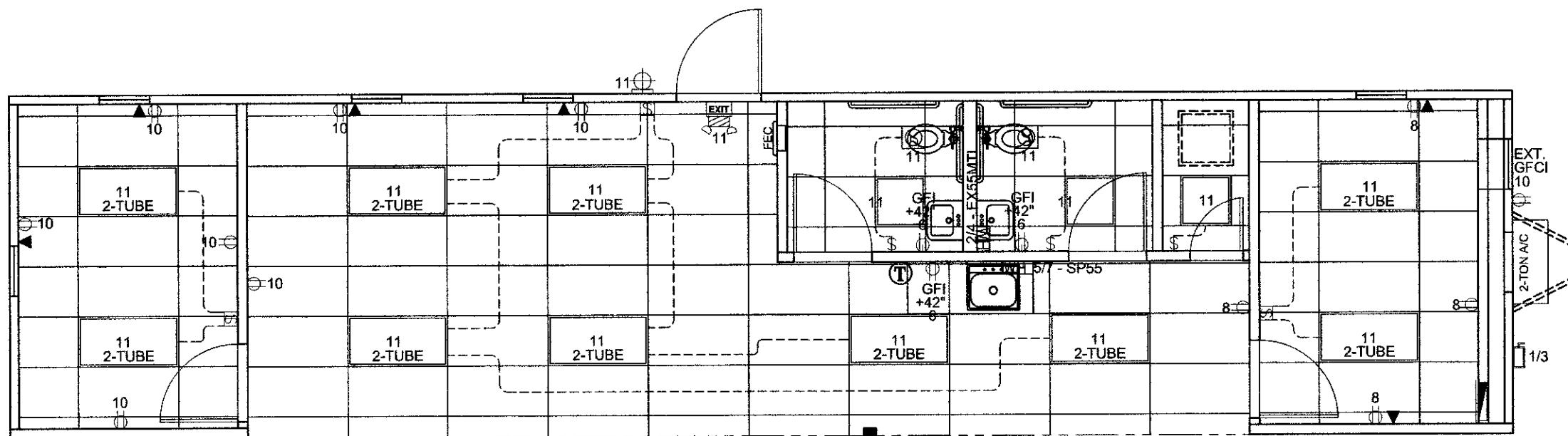
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MARK STEELE, P.E.
5139 N. TOM MURRAY AVE.
GLENDALE, AZ 85334-209.3300

CROSS SECTION

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



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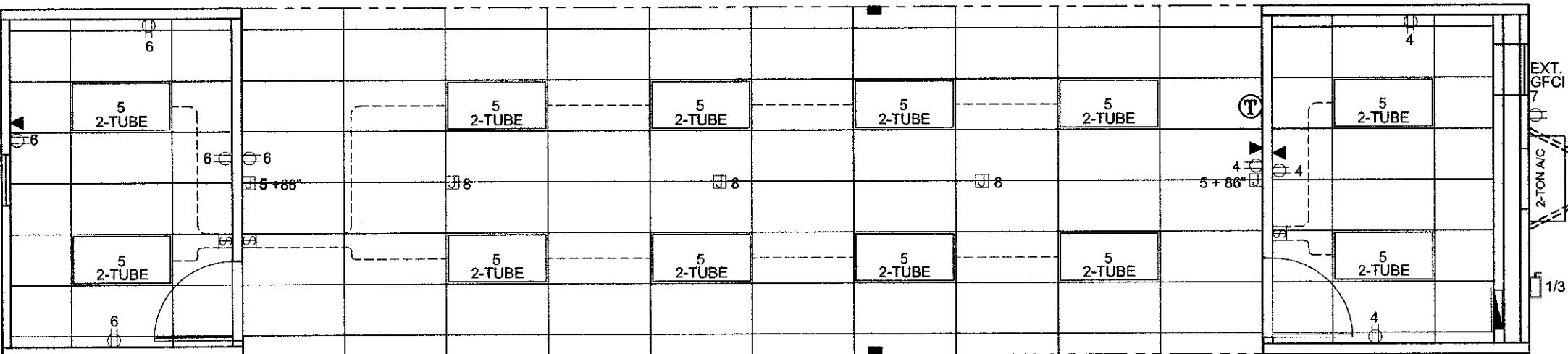


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SYMBOL LEGEND

2-TUBE	2'x4' T-8 2 TUBE TROFFER W/ DIFFUSED LENS	EXT. PORCH LIGHT W/ PHOTO CELL	120v DOUBLE TOGGLE SWITCH	120V DUPLEX RECEPT.	125 AMP LOAD CENTER	EMER./EXIT W/ BATT. BACKUP	MARK STEELE, P.E. 5139 N. TOM MURRAY AVE. GLENDALE, AZ. 85301 P#: 623.209.3300
(Q)	110CFM EXHAUST FAN ONLY	▼ PHONE / DATA JACK STUB-IN LCTN	\$ 120v SINGLE TOGGLE SWITCH	⊖ 120V GFI DUPLEX RECEPT.	(T) THERMOSTAT LOCATION (+48")	□ EXT. DISCONNECT	
LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: ELECTRICAL	AM-TEX CORP 832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOR	SHEET E-1 (972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com



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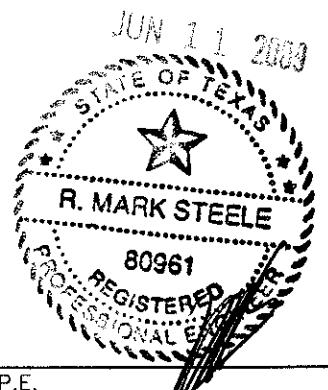
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6/12/09

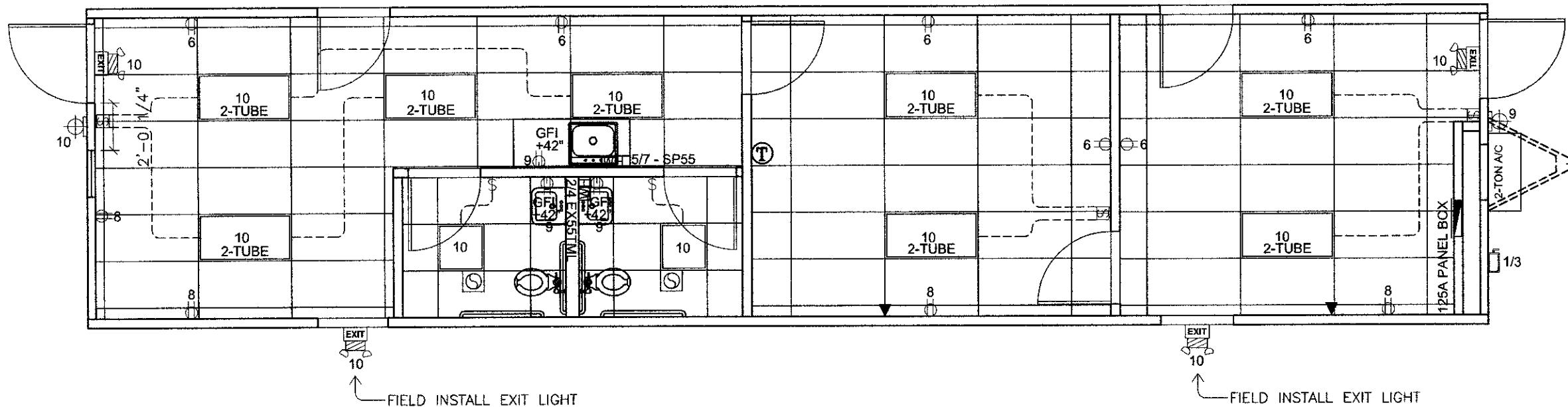
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SYMBOL LEGEND

2-TUBE	2'x4' T-8 2 TUBE TROFFER W/ DIFFUSED LENS	EXT. PORCH LIGHT W/ PHOTO CELL	120v DOUBLE TOGGLE SWITCH	120V DUPLEX RECEPT.	125 AMP LOAD CENTER	EMER./EXIT W/ BATT. BACKUP	MARK STEELE, P.E. 5139 N. TOM MURRAY AVE. GLENDALE, AZ. 85301 P#: 623.209.3300
WIRED J-BOX STUB-IN ABOVE CEILING		PHONE / DATA JACK STUB-IN LOCN	\$ 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	AM'TEX CORP. 832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOO	SHEET E-2 (972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com



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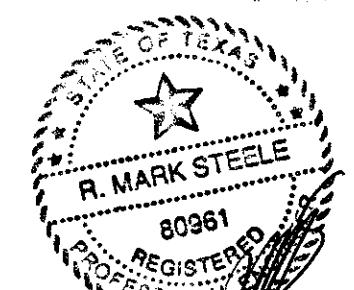
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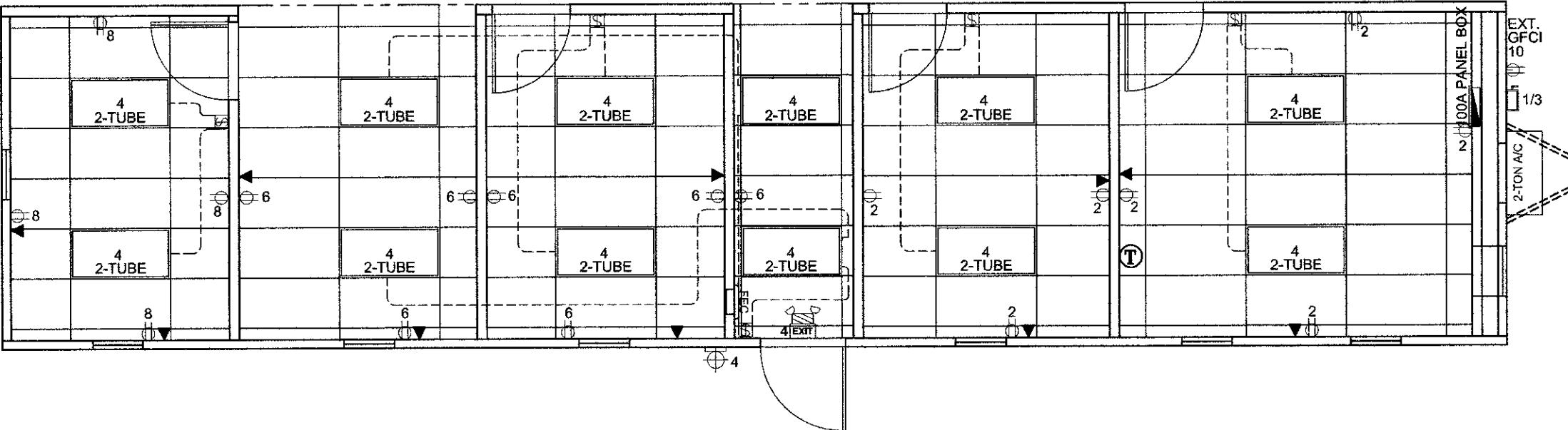


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SYMBOL LEGEND

2-TUBE	2'x4' T-8 2 TUBE TROFFER W/ DIFFUSED LENS		EXT. PORCH LIGHT W/ PHOTO CELL		120v DOUBLE TOGGLE SWITCH		120V DUPLEX RECP.		125 AMP LOAD CENTER		EMER./EXIT W/ BATT. BACKUP	MARK STEELE, P.E. 5139 N. TOM MURRAY AVE. GLENDALE, AZ. 85301 P#: 623.209.3300
	110CFM EXHAUST FAN ONLY		PHONE / DATA JACK STUB-IN LCTN		120v SINGLE TOGGLE SWITCH		120V GFI DUPLEX RECP.		THERMOSTAT LOCATION (+48")		EXT. DISCONNECT	
LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: ELECTRICAL			AM-TEX CORP.	832 EAST WALNUT GARLAND, TX 75040	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com	
				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOC	SHEET E-3					



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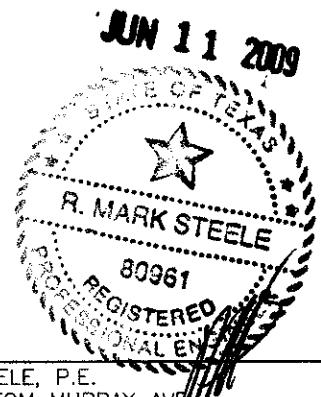
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Approval Date:

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SYMBOL LEGEND

	2'x4' T-8 2 TUBE TROFFER W/ DIFFUSED LENS		EXT. PORCH LIGHT W/ PHOTO CELL		120v DOUBLE TOGGLE SWITCH		120V DUPLEX RECEPT.		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 RECEPT.		THERMOSTAT LOCATION (+48")		EXT. DISCONNECT
LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: ELECTRICAL			MARK STEELE, P.E. 5139 N. TOM MURRAY AVE GLENDALE, AZ, 85301	AM'TEX CORP.	832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOA	SHEET E-4	(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		CIRCUIT	WIRE
		1	2		
#10	HVAC UNIT	30	1	2	30
		2P	3	4	2P
#10	EEMAX SP55	30	5	6	20
		2P	7	8	20
-	OPEN	-	9	10	20
#12	LIGHTS	20	11	12	-
				OPEN	-

GROUND BAR

++

NEUTRAL

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Building Code Council

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Approval Date:

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.	AM-TEX CORP.	832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: N.T.S.	DWG. NO. N1464-NOR	SHEET E-1.1	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com

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

9239 WATTS

TOTAL LOADS:

9239 WATTS ÷ 240 = 39 AMPS

PANEL BOX 'A' 100 AMP

WIRE	CIRCUIT	AMP		AMP		CIRCUIT	WIRE
		30	1	2	1		
#10	HVAC UNIT		30	1	2	1	OPEN
			2P	3	4	20	LIGHTS #12
#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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Approval Date:

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LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: PANEL BOX & ELECTRICAL CALCS.	AMTEX CORP. 832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: N.T.S.	DWG. NO. N1464-NOO	SHEET E-2.1 (972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com

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

20714 WATTS

TOTAL LOADS:

20714 WATTS ÷ 240 = 87 AMPS

PANEL BOX 'C' 125 AMP

WIRE	CIRCUIT	AMP		AMP		CIRCUIT	WIRE
		30	1	2	30		
#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.	AM'TEX CORP. 832 EAST WALNUT GARLAND, TX 75040	832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: N.T.S.	DWG. NO. N1464-NOC	SHEET E-3.1	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com

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

9999 WATTS

TOTAL LOADS:

9999 WATTS ÷ 240 = 42 AMPS

PANEL BOX 'A' 100 AMP

WIRE	CIRCUIT	AMP		AMP		CIRCUIT	WIRE
		30	1	2	20		
#10	HVAC UNIT	30	1	2	20	RECEPTACLE	#12
			2P	3	4	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		III+		NEUTRAL			

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6/12/09

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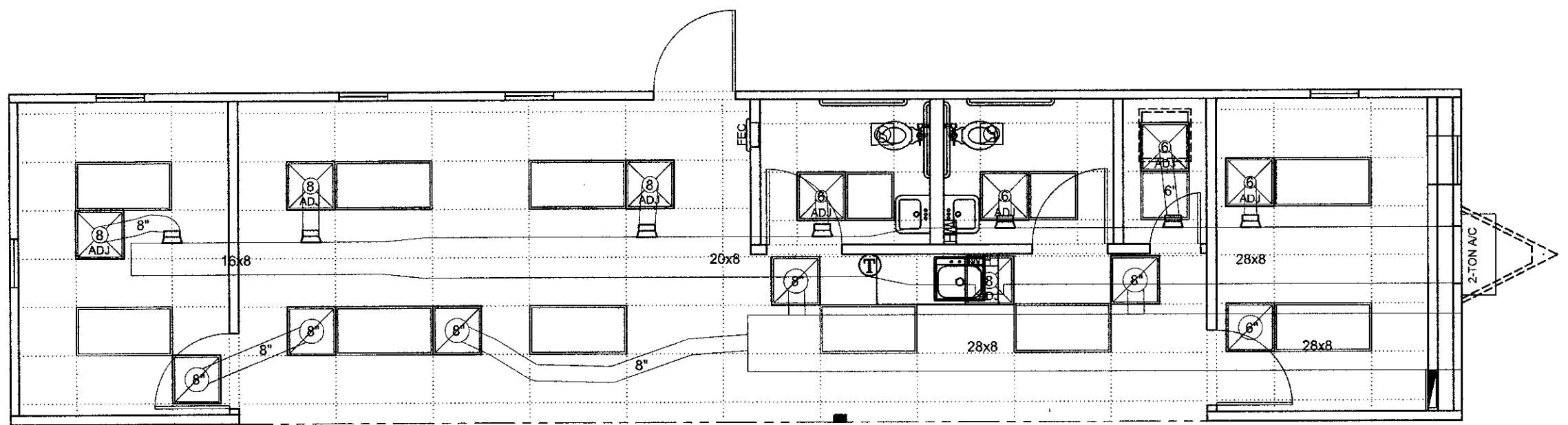
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LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: PANEL BOX & ELECTRICAL CALCS.			AMTEX CORP. 101 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: N.T.S.	DWG. NO. N1464-NOA	SHEET E-4.1	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com	



R

SYMBOL LEGEND



24" X 24" DIFFUSER ADJUSTABLE



PREFORATED RETURN DIFFUSER



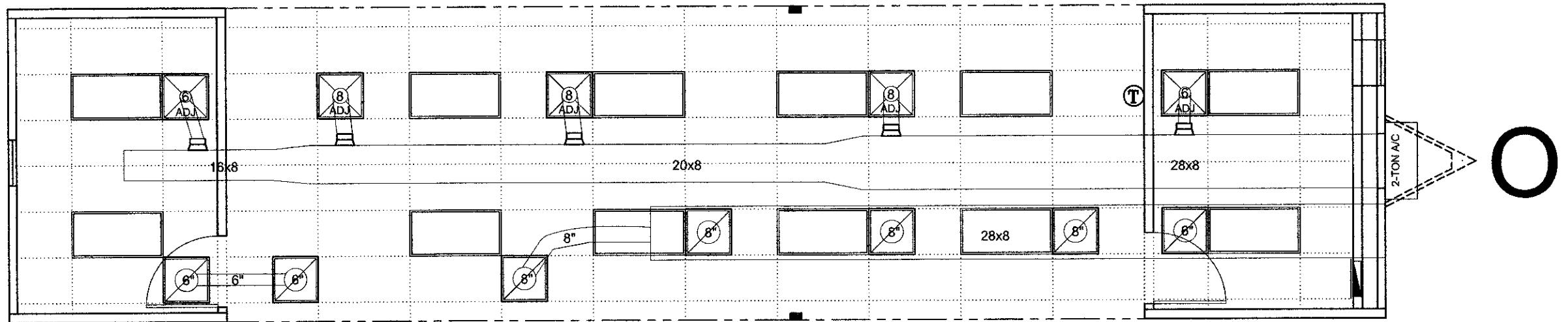
SCOOP W/ COLLAR

NOTE: ALL SUPPLY DUCT IS R-6



A circular notary seal for the State of Texas. The outer ring contains the words "NOTARY PUBLIC" at the top and "TEXAS" at the bottom. The inner circle features a five-pointed star in the center, surrounded by the name "R. MARK STEELE" and the number "80361". Below the name, it says "REGISTERED" and "PROFESSIONAL".

SYMBOL LEGEND	
	24" X 24" DIFFUSER ADJUSTABLE
	PREFORATED RETURN DIFFUSER
	SCOOP w/ COLLAR



SYMBOL LEGEND



24" X 24" DIFFUSER ADJUSTABLE



PREFORATED RETURN DIFFUSER



SCOOP W/ COLLAR

NOTE: ALL SUPPLY DUCT IS R-6.

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Building Code Council

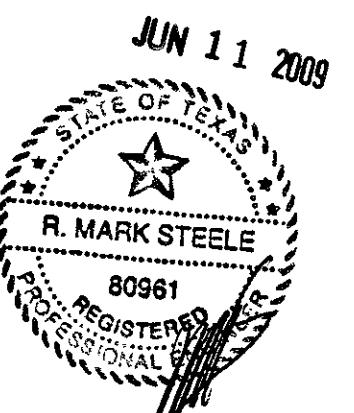
IBC IRC

Approval Date:

6/12/09

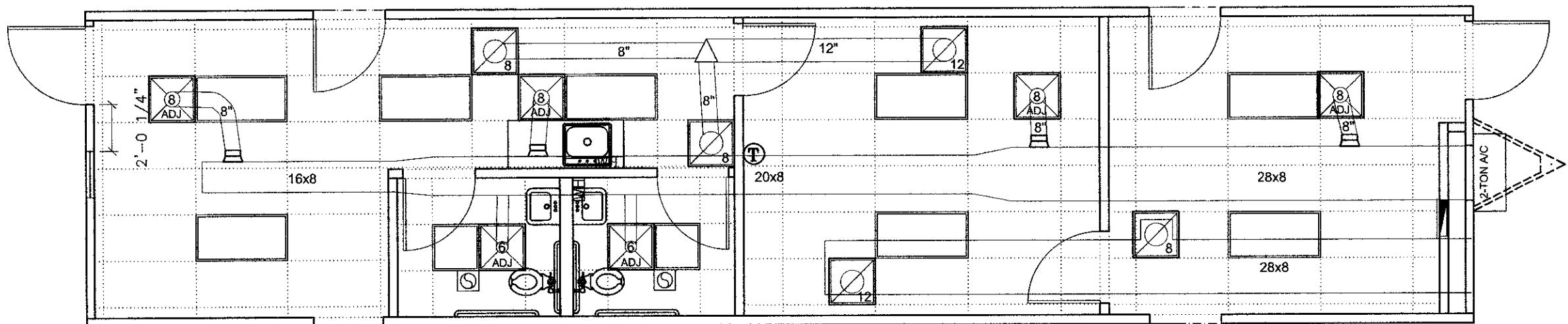
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MARK STEELE, P.E.
5139 N. TOM MURRAY AVE.
GLENDALE, AZ. 85301 P#: 623.209.3300

LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: CEILING & HVAC LAYOUT	AM'TEX CORP.	832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOO	SHEET M-2	(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.

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Approval Date:

6/12/09

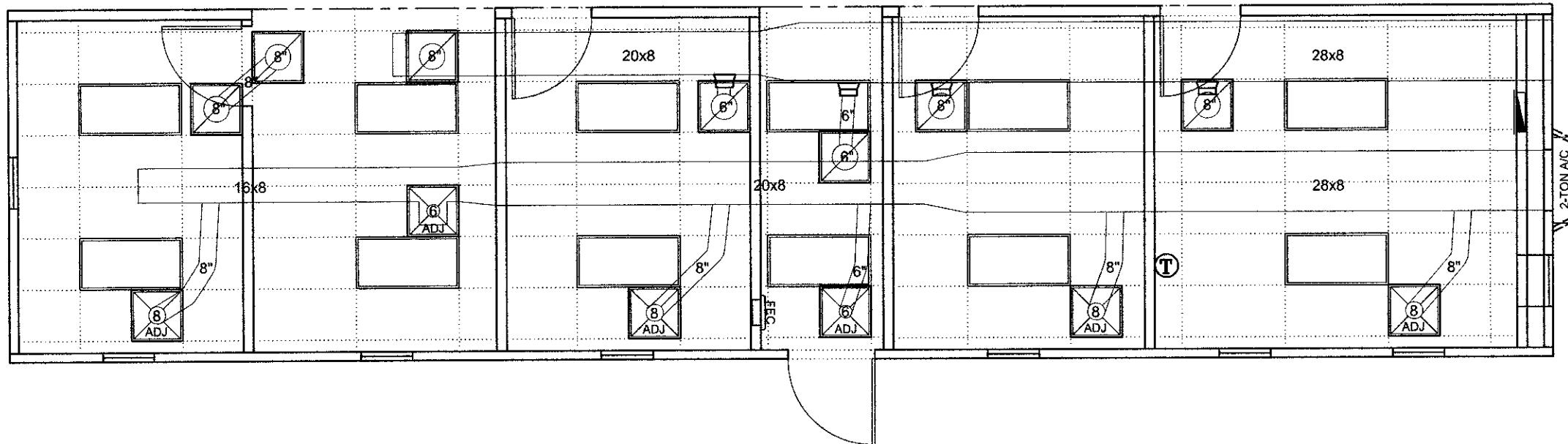
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MARK STEELE, P.E.
5139 N. TOM MURRAY AVE
GLENDALE, AZ. 85301 P#: 623.209.3300

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



A

SYMBOL LEGEND



24" X 24" DIFFUSER ADJUSTABLE



PREFORATED RETURN DIFFUSER



SCOOP W/ COLLAR

NOTE: ALL SUPPLY DUCT IS R-6.

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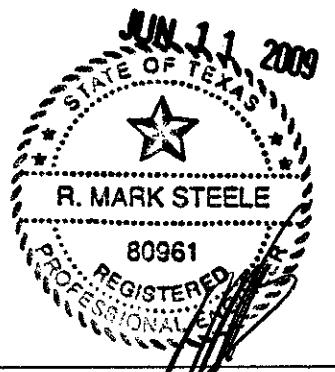
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Approval Date:

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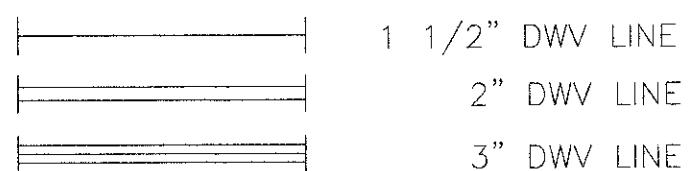
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MARK STEELE, P.E.
5139 N. TOM MURRAY AVE.
GLENDALE, AZ. 85301 P#: 623.209.3300

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

DWV PIPING LEGEND

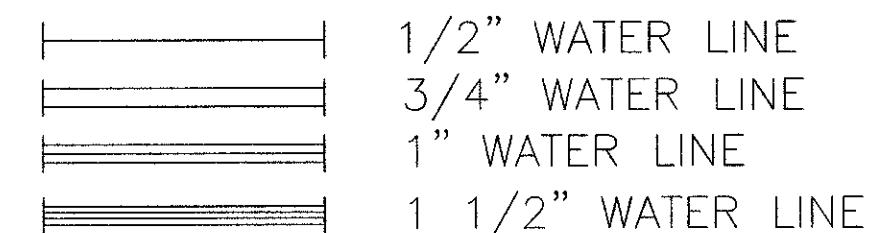


NOTE: DRAIN 'TREES' ARE STUBBED THRU FLOOR ONLY AT FACTORY AND FINAL CONNECTION TO SEWER IS TO BE COMPLETED ON-SITE BY OTHERS.

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

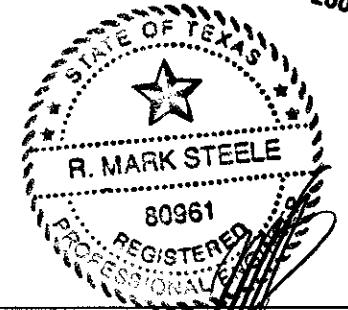
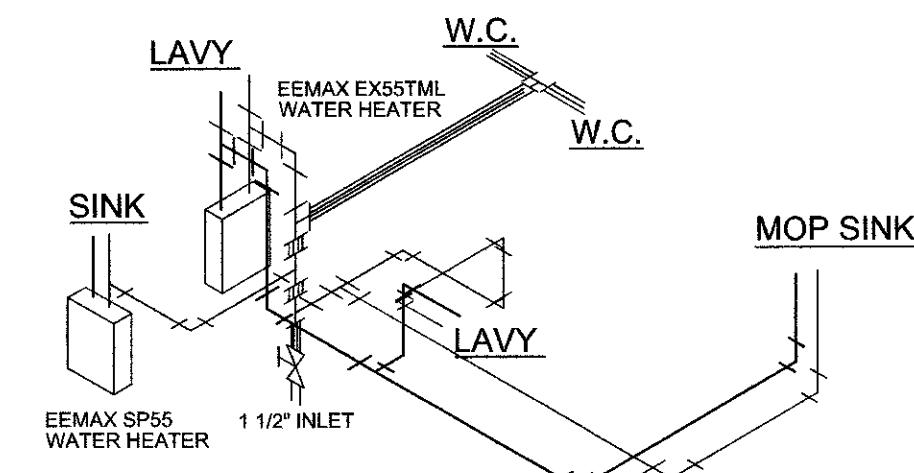
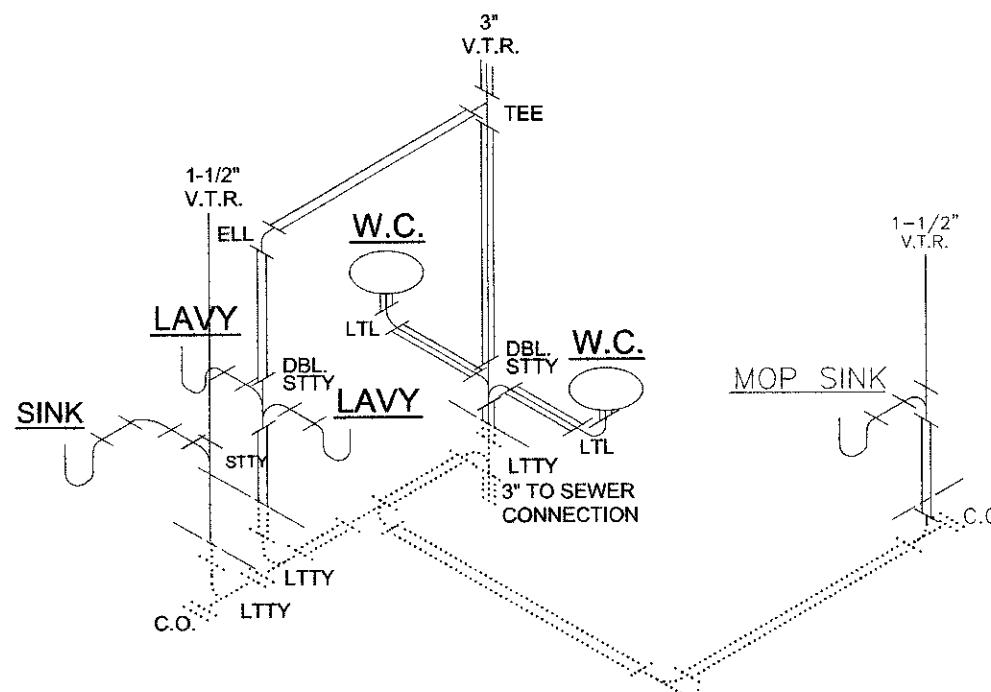
MANIFOLD PROVIDED & INSTALLED ON-SITE BY OTHERS.

WATER LINE LEGEND



NOTES:

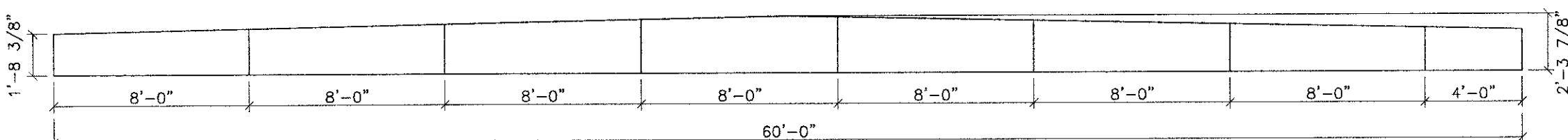
1. PER SECTION 606.2 OF THE 2006 IPC. A SHUT-OFF VALVE SHALL BE INSTALLED AT EACH FIXTURE & WATER HEATER.
2. PIPING 1" OR SMALLER SHALL BE SUPPORTED 3' HORIZONTALLY @ FLOOR, CEILING, & MID-STORY VERTICALLY PER TABLE 308.5 FOOTNOTE B OF THE 2006 IPC.
3. TANKLESS WATER HEATER SHALL CONFORM TO SECTION 501.6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



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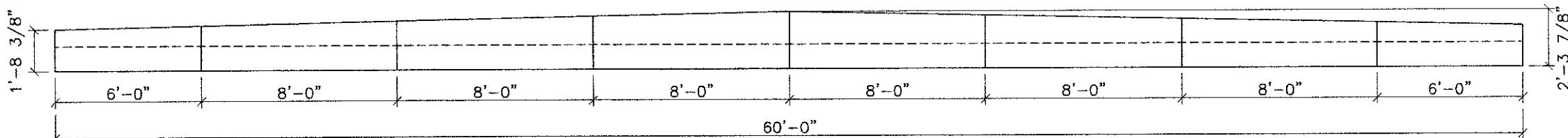
LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: PLUMBING - DRAIN / WATER		AM'TEX CORP.	832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: N.T.S.	DWG. NO. N1464-NOC	SHEET P-1	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com	

LAYER ONE

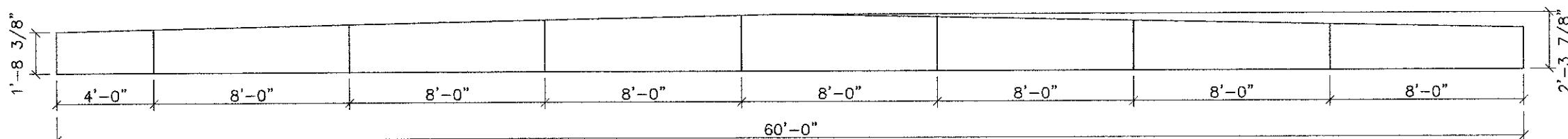


LAYER TWO

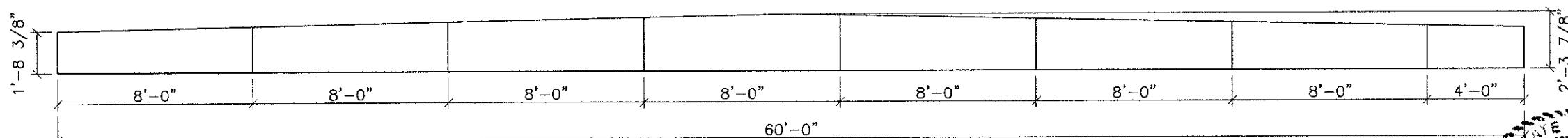
CENTER LAYER MAY BE SPLICED
MAX 1/4" GAP FOR HORIZONTAL SPLICE



LAYER THREE

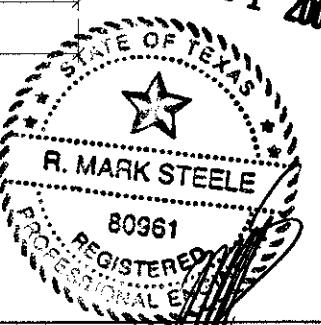


LAYER FOUR



RIDGE BEAM NOTES:

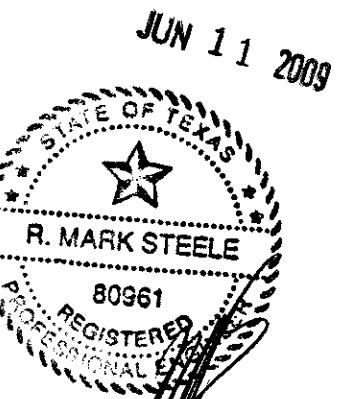
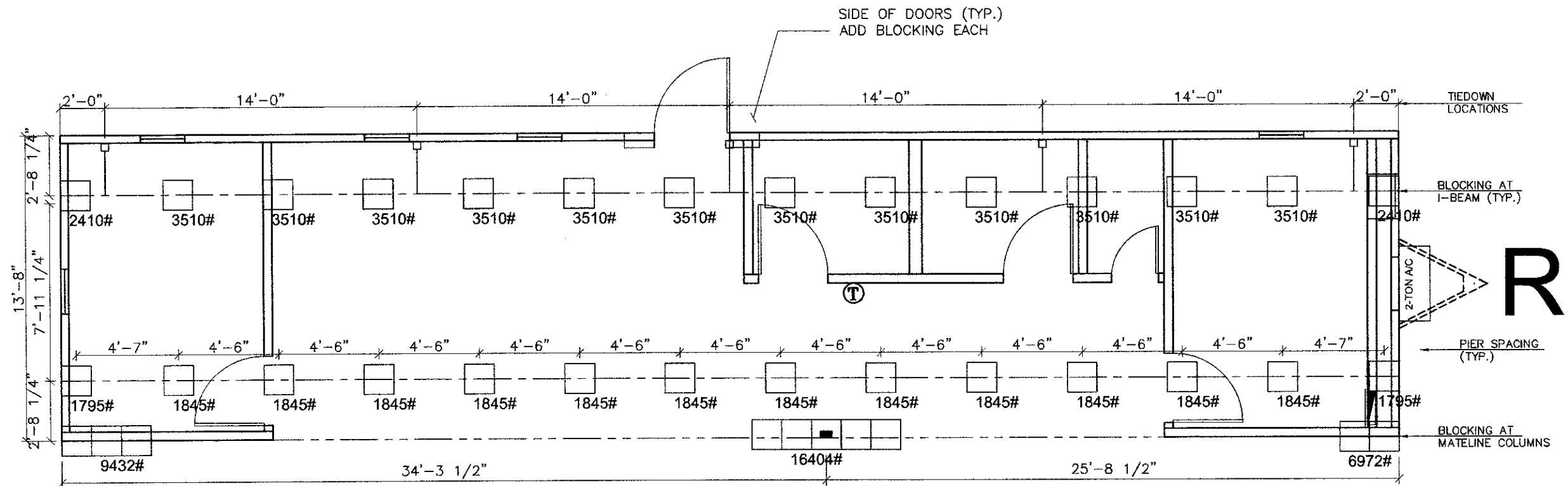
1. RIDGE BEAM CONSTRUCTION IS THE SAME FOR BOTH SIDES OF UNIT (MIRRORED).
2. RIDGE BEAM IS CONSTRUCTED WITH 3/4" 5-PLY, 5-LAYER GROUP 1 SPECIES PLYWOOD.
3. RIDGE BEAM CONSTRUCTION SHALL BE IN ACCORDANCE WITH APA PLYWOOD DESIGN SPECIFICATION, SUPPLEMENT 5.



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 Email: engineering@amtexcorp.com

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

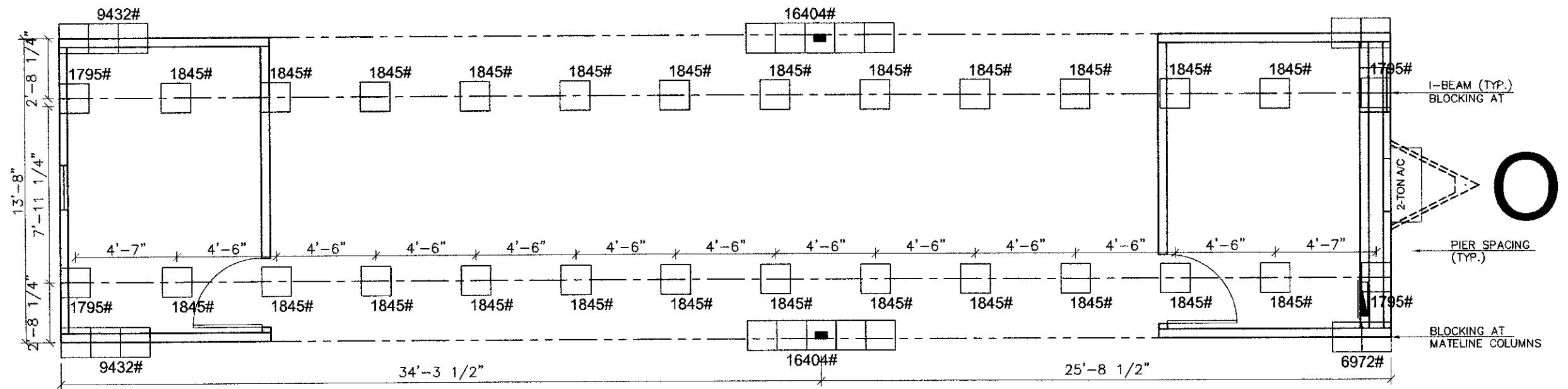


NOTES:

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.).

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



Texas Industrialized
Building Code Council

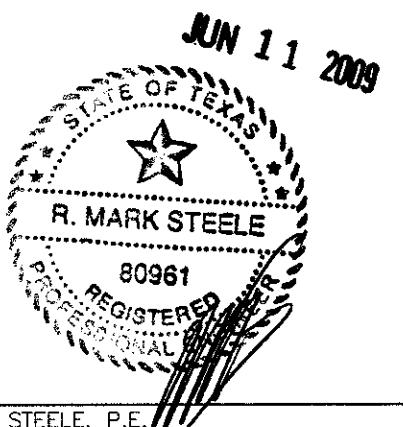
IBC IRC

Approval Date:

6/12/09

APPROVED
PFS CORPORATION

IHDRA- 7

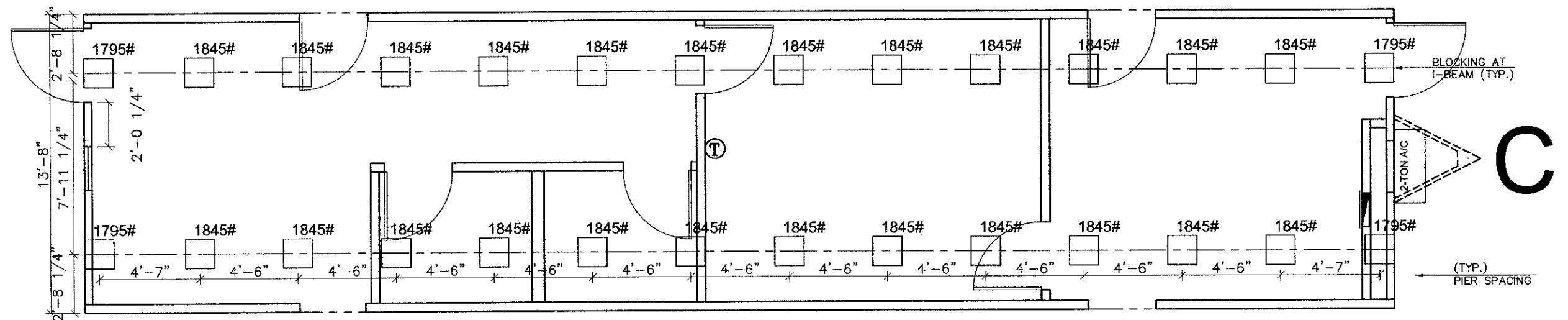


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LTR	REVISION	BY	DATE	DRAWN BY: N.G.L.	PROJECT: NORTEX "O" SERIES	TITLE: BLOCKING / TIE DOWN	AM-TEX CORP	832 EAST WALNUT GARLAND, TX 75040
				DATE: 5/22/09	SCALE: 3/16"=1'-0"	DWG. NO. N1464-NOO	SHEET S-2.2	(972) 276-7626 FAX: (972) 276-5105 Email: engineering@amtexcorp.com



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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-NOC	SHEET S-2.3	(972) 276-7626	FAX: (972) 276-5105
								Email: engineering@amtexcorp.com	

