

# NORTEX MODULAR

## NORPLEX "VO" SERIES

### 14 X 64 (60)

### PROJECT - NTX - VO

THE FOLLOWING UNITS ARE TO BE CONSTRUCTED INDIVIDUALLY BY THE FACTORY:  
 NOA - (RIGHT SIDE UNIT)  
 NOO - (CENTER SECTION UNIT)  
 NOR - (REST ROOM UNIT)

NORPLEX UNITS ARE DESIGNED TO BE MANUFACTURED INDIVIDUALLY. MODULES ARE DESIGNED TO ALLOW SEVERAL DIFFERENT COMPLEX CONFIGURATIONS IN THE FIELD WITH A MINIMUM OF TWO (2) OUTSIDE UNITS. CONFIGURATIONS OF ANY COMPLEX SHALL NOT EXCEED SQUARE FOOTAGE LIMITATIONS SET FORTH IN "TABLE 503" (use group B, type VB) OF THE 2006 Ed. I.B.C. EGRESS REQUIREMENTS MUST BE MET IN ALL CONFIGURATIONS IN ACCORDANCE WITH CHAPTER 10 OF THE 2006 Ed. OF THE I.B.C. THE MINIMUM REQUIRED PLUMBING FIXTURES MUST BE OBTAINABLE IN ALL CONFIGURATIONS ACCORDING TO THE 2006 Ed. IPC.

IECC REQUIREMENTS	
HDD: 1371	
U-FACTORS: WINDOW 1 - 0.510 STEEL DOORS - 0.35	
SHGC: WINDOW 1 - 0.34	
SWITCHING SCHEMES: PER ELECTRICAL PLAN	
Fixture Types: 4 & 3-TUBE FLUORESCENT WITH ELECTRONIC BALLAST AND 32W T-8 LAMPS	
HVAC EFFICIENCIES: MUST COMPLY WITH SECTION 503.2.3 OF THE 2006 IECC	
HVAC SEER RATING: 10.0 MINIMUM	
THERMOSTAT: MUST COMPLY WITH SECTION 503.2.4.1 OF THE 2006 IECC	
DUCT INSULATION: R-5 MINIMUM	
DUCT SEALING: MUST COMPLY WITH SECTION 503.2.7 OF THE 2006 IECC	
WATER HEATERS: MUST COMPLY WITH SECTION 504 OF THE 2006 IECC	
EXIT SIGNS: MUST COMPLY WITH SECTION 505.4 OF THE 2006 IECC (ENERGY CONSUMPTION LESS THAN 5W PER SIDE)	

MANUFACTURE & ADDRESS (FOR WARRANTY INFORMATION)	INDICOM BUILDINGS, INC. 721 N. Burleson Blvd. BURLESON, TX. 76028 JHM - 47
DRAT AGENCY:	PFS Corporation
ADDRESS:	Cottage Grove, WI
SERIAL No.	
DECAL No.	
DATE OF MFG.	
FLOOR LIVE LOAD:	50 psf. (2000 lb concentrated) <100 psf. @ corridor
WIND LOAD (V3s):	130mph (EXPOSURE-B)
ROOF LIVE LOAD:	20 psf.
TYPE OF CONSTRUCTION:	VB
OCCUPANCY USE GROUP:	B
PERMISSABLE GAS (for equip.)	N/A
NAME AND DATE OF CODES	2006 IBC, 2006 IPC, 2006 IMC, 2008 NEC, 2006 IECC, 1994 TAS
SYSTEMS COMPLETED AT FACTORY: STRUCTURAL(X) ELECTRICAL(X) PLUMBING(X) H.V.A.C. (X)	
SPECIAL CONDITIONS/LIMITATIONS	
HEATING EQUIP. MFG.	
HEATING MODEL	
SEISMIC DESIGN CAT.:	C

NOTE: DATA PLATE TO BE LOCATED ON PANEL BOX DOOR OR SHALL BE PLACE ON THE INTERIOR SIDE OF THE EXTERIOR WALL @ THE HITCH END ABOVE THE T-GRID LOCATION.

INDICOM BUILDINGS, INC.  
INDUSTRIALIZED COMMERCIAL BUILDINGS  
721 N. BURLESON BLVD - BURLESON, TX 76028  
FAX 817-447-1213

#### General Construction Specifications

##### FRAME CONSTRUCTION:

QUANTITY AND SIZE: (3) 14' 60"  
 TYPE: Outrigger and crossmember at 48" O.C.  
 Main beams to be 99 1/2" O.C.  
 BEAM SIZE: 12" Jr. I-beam  
 AXLES: Quad 6000# rated with (2) brake (2) tag  
 HITCH: Detachable underslung  
 TIRES: 8x14.5 14 ply rated

##### FLOOR CONSTRUCTION:

FLOOR JOIST: 2X6 #2 SYP equal or better  
 FRAMING TYPE: Transverse  
 JOIST SPACING: 16" O.C.  
 FLOOR DECKING: Single layer 3/4" Sturd-I-floor.  
 Hold back decking (1 1/2") inches at each side of the mate line.  
 INSULATION: R-21 fiberglass batt  
 BOTTOM BOARD: Mobilflex or equal  
 FLOOR COVERINGS: 1/8" commercial grade tile.  
 Tile to be CHECKERBOARD AND 50% OFFSET.  
 Hold back tile (4 1/2") inches at each side of mate line. Tile color to be: (White #51899)  
 26 oz. (or equal) carpet in Offices Only.  
 Carpet color to be: (#30551 SLIPPERY ROCK)

##### EXT. WALL CONSTRUCTION:

FRAMING: 2X4 #2 SYP or better at 16" O.C.  
 Double 2X4 #2 SYP or better top plate  
 Single 2X4 #2 SYP or better bottom  
 INSULATION: R-15 Kraft back fiberglass batt  
 SIDINGS: 3/8" LP Smart Panel over a single layer of Tyvek or equal house wrap.  
 Body color to be: (Relaxed Khaki SW-6149)  
 Trim color to be: (Relaxed Khaki SW-6149)  
 False Mansard color to be: (Link Grey SW-6200)  
 1/2" vinyl covered gypsum with wrapped batters.  
 Color to be: (Hampton Gray)  
 Covering Length 204 FT  
 Covering Height 9 FT

##### INT. WALL CONSTRUCTION:

FRAMING: 2X4 #2 SYP or better at 16" o.c.  
 Double 2X4 #2 SYP or better top plate  
 Single 2X4 #2 SYP or better bottom plate  
 OVERALL LENGTH: 244 FT  
 OVERALL HEIGHT: 8 FT  
 WALL COVERINGS: 1/2" vinyl covered gypsum with wrapped batters.  
 Color to be: (Hampton Gray)  
 and 7/16" OSB (SEE FLOOR PLAN)  
 Covering Length 488 FT  
 Covering Height 9 FT  
 Standard (White) FRP panels over 1/2" MR gypsum  
 Covering Length 68 FT  
 Covering Height 4 FT  
 BASE TRIM: 4" vinyl cove Color to be: (#663 Sky Gray)  
 INT. TRIM: 4993-1695 (Gray)  
 SUPPORT POSTS: (3)

##### ROOF CONSTRUCTION:

DESIGN LOAD: 20 psf live load  
 RAFTER: Flat solid rafter  
 RAFTER SIZE: 2X8 #2 SYP equal or better  
 SPACING: 24" O.C.  
 MATE BEAM: (12" O.C. the first 6'-0" of each unit on each end)  
 HEIGHT: Multi-layer laminated plywood  
 LENGTH: 16 1/2" to 24" to 16 1/2"  
 NO. OF LAYERS: (4)  
 NO. OF BEAMS: (1)  
 CEILINGS: 2 ft. x 4 ft. Standard T-Grid #769  
 (Mineral Fiber Tile) installed at factory. (8'-8" A.F.F.)  
 Held back at mate lines.  
 Completion of ceiling installation on site by Norplex.

INSULATION: R-30c (Compressed) unfaced fiberglass batt  
 with support netting  
 SHEATHING: 7/16" FR-Deck  
 ROOFING: 45 mil black single ply membrane adhered to  
 FR-Deck with Mule Hide Acrylic Water Base  
 Bonding Adhesive (100 sq. ft. per gallon)

##### ADDITIONAL ROOF ITEMS INCLUDED IN QUOTED PRICE:

ITEM 1) Three (3) 3" holes in each mate beam for phone/data crossover.

EXTERIOR DOORS: Door color to be: (SW-6149 Relaxed Khaki) on both sides.

##### DOOR "1"

QUANTITY: (2) 36" X 80" Commercial steel, 18 Gauge door, 16 Gauge jamb  
 with pencil window (6" X 22")

CLOSER: Hydraulic closer (Tell 12641)

HARDWARE: Keyed lever (Tell LC2481CTL) "KEYED ALIKE"

##### INTERIOR DOORS:

##### DOOR "2"

QUANTITY: (10) 36" X 80" Comm'l prefinished hollow core  
 HARDWARE: Passage lever (LC2475CTL), Floor mounted door stops

##### DOOR "3"

QUANTITY: (2) 36" X 80" Comm'l prefinished hollow core  
 HARDWARE: Privacy lever (LC2476CTL), Floor mounted door stops

##### WINDOWS:

##### WINDOW "A"

QUANTITY: (16) Clear glass bronze finish vertical slider  
 Dual glazed, "LOW-E"  
 24" X 52"

##### ELECTRICAL

SERVICE: 120/230v, 60 Hz, Single phase  
 PANEL BOXES: (3) 100A (NEMA 3R) Single Phase with main breaker.  
 SERVICE ENTRANCE: EMT conduit thru floor.  
 RACEWAY: EMT thin wall conduit with green ground  
 LIGHT TYPE No.1: 48" 4-tube diffused fluorescent recessed lay-in  
 (T-8 Lamps and Electronic Ballast)  
 LIGHT TYPE No.2: 48" 3-tube diffused fluorescent recessed lay-in  
 (T-8 Lamps and Electronic Ballast)

PORCH LIGHTS: (2) Fluorescent exterior with photo cell  
 EXIT LIGHT: (2) Combo dual emergency light/exit light sign with battery backup

EMERGENCY LIGHTS: (2) Exterior remote heads  
 RECEPT. TYPE No.1: 20a/125v Duplex  
 RECEPT. TYPE No.2: 20a/125v GFCI protected  
 RECEPT. TYPE No.3: 20a/125v Waterproof exterior with in-use cover  
 RECEPT. TYPE No.4: 20a/125v Heat tape receptacle under unit  
 PHONE/COMM JACKS: Stubbed out above T-Grid with 3/4" EMT conduit

##### PLUMBING:

SUPPLY: Type L Hard Copper  
 DWV SYSTEM: Poly vinyl chloride Schedule 40  
 WATER CLOSETS: (2) Handicapped tank type  
 LAVATORIES: (2) White vitreous wall hung with ADA handles  
 WATER HEATERS: (1) 6 gallon electric with vacuum relief and drain pan  
 PAPER HOLDER: (2) Chrome single roll wall mount  
 GRAB BARS: (2) Sets  
 MIRRORS: (2) 18" X 36" with clips  
 SINK: (1) 25" X 22" stainless steel single bowl with ADA handles  
 MOP SINK: (1) 24" X 24" fiberglass mop sink with legs

##### HVAC:

Color to be: (BEIGE)

HVAC UNITS: END MOUNTS - 36vp 3 ton cooling with 10KW

electric heat strip. (SB-2)

(2) 100 cfm ceiling mounted light/fan combo

18" X 9" and 11" X 9"

1 1/2" foil faced fiberglass

24" X 24" 4-way lay-in

24" X 24" Perforated lay-in

##### ADDITIONAL HVAC ITEMS INCLUDED IN QUOTED PRICE:

ITEM 1) Plenum wall with ducted supply and return.

ITEM 2) Programmable T-stats.

##### CABINETS:

BASE CABINETS: (2 LF) Stained wood with laminated top.  
 Laminated color to be: (FASHION GRAY)

WALL CABINETS: (5 LF) Stained wood

##### ADDITIONAL CABINET ITEMS INCLUDED IN QUOTED PRICE:

ITEM 1) ADA/TAS sink base with wood apron

##### SKIRTING:

NDNE

##### STATE LABELS:

Third party plan review and state.

IBC certification to be included.

##### ADDITIONAL LABEL ITEMS INCLUDED IN QUOTED PRICE:

ITEM 1) TX State label only.

ITEM 2) 130-mph and Exp. B

ITEM 3) 2006 IBC coded.

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FAX 817-447-1213

THESE DRAWINGS REMAIN THE PROPERTY OF INDICOM BUILDINGS INC. AND ARE NOT TO BE USED IN ANY WAY WITHOUT WRITTEN PERMISSION.

DEALER: NORTEX MODULAR  
DFW  
PROJECT: 14 X 64 (60)  
NORPLEX "VO" SERIES  
PROJECT NUMBER: PROJECT - NTX - VO

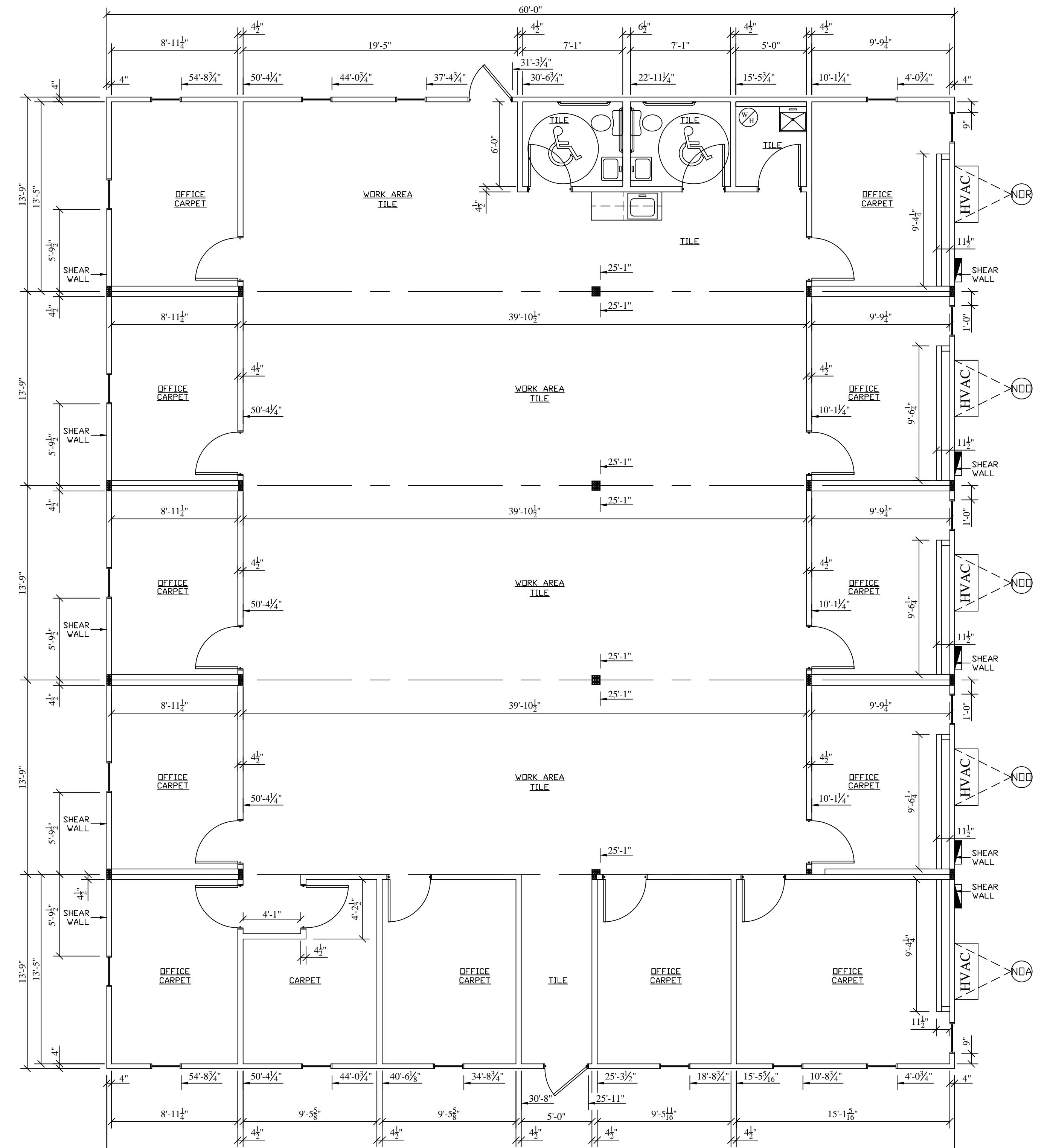
SCALE: AS NOTED  
PLOT DATE: 11/11/2008

SALESMAN: RP  
DRAWN BY: MJM

STATES: TX

SERIAL NUMBERS: XXX  
REVISIONS:

SHEET 1: SPECIFICATIONS AND CONDITIONS.  
 SHEET 2: 01 FLOOR PLAN, CROSS-SECTION AND DETAILS.  
 SHEET 3: ELECTRICAL PLAN, ELECTRICAL LEGEND, ELECTRICAL CALCS, ELECTRICAL NOTES, HVAC PLAN REFLECTED CEILING PLAN.  
 SHEET 4: 02-FLOOR PLAN, CROSS-SECTION AND DETAILS.  
 SHEET 5: ELECTRICAL PLAN, ELECTRICAL LEGEND, ELECTRICAL CALCS, ELECTRICAL NOTES, HVAC PLAN REFLECTED CEILING PLAN.  
 SHEET 6: R-FLOOR PLAN, CROSS-SECTION FLOOR LEGEND AND DETAILS.  
 SHEET 7: ELECTRICAL PLAN, ELECTRICAL LEGEND, ELECTRICAL CALCS, ELECTRICAL NOTES, HVAC PLAN REFLECTED CEILING PLAN.  
 SHEET 8: ELEVATIONS.  
 SHEET 9: DOUBLE WIDE FLOOR PLAN.  
 SHEET 10: TRIPLE WIDE FLOOR PLAN.  
 SHEET 11: FOUR UNIT FLOOR PLAN.  
 SHEET 12: FIVE UNIT FLOOR PLAN.  
 SHEET 13: CROSS-SECTIONS.  
 SHEET 1



**5-UNIT COMPLEX FLOOR PLAN**

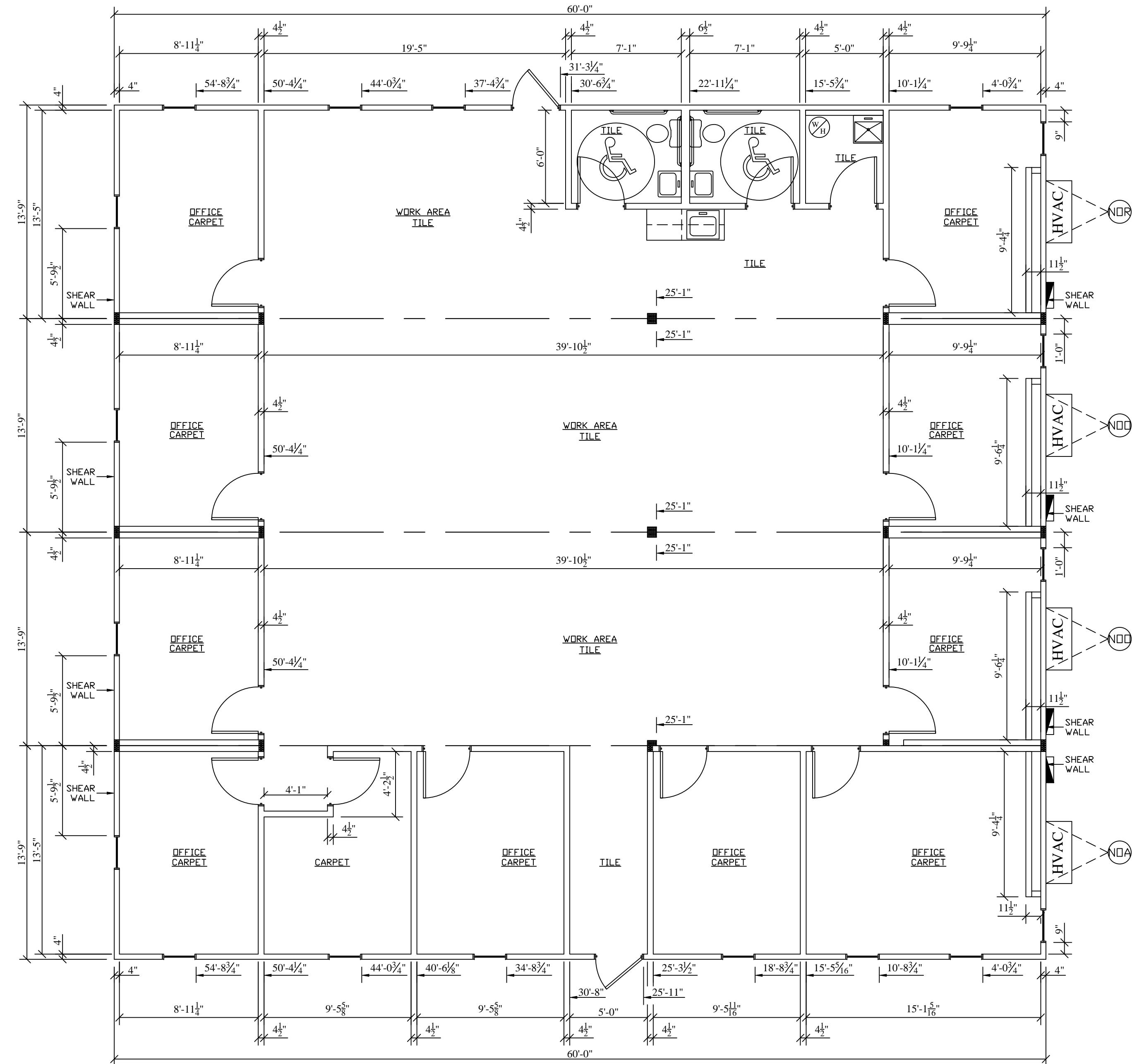
3/16" = 1'-0"

SQUARE FOOTAGE: 4125  
USE GROUP: B  
CONSTRUCTION TYPE: VB  
OCCUPANT LOAD: 41

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#### 4-UNIT COMPLEX FLOOR PLAN

3/16" = 1'-0"

SQUARE FOOTAGE: 3300  
USE GROUP: B  
CONSTRUCTION TYPE: VB  
OCCUPANT LOAD: 33

DEALER: NORTEX MODULAR DFW
PROJECT: 14 X 64 (60) "VO" SERIES
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PLOT DATE: 11/11/2008
SALESMAN: RP
DRAWN BY: MJM
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SERIAL NUMBERS: XXX
REVISIONS:

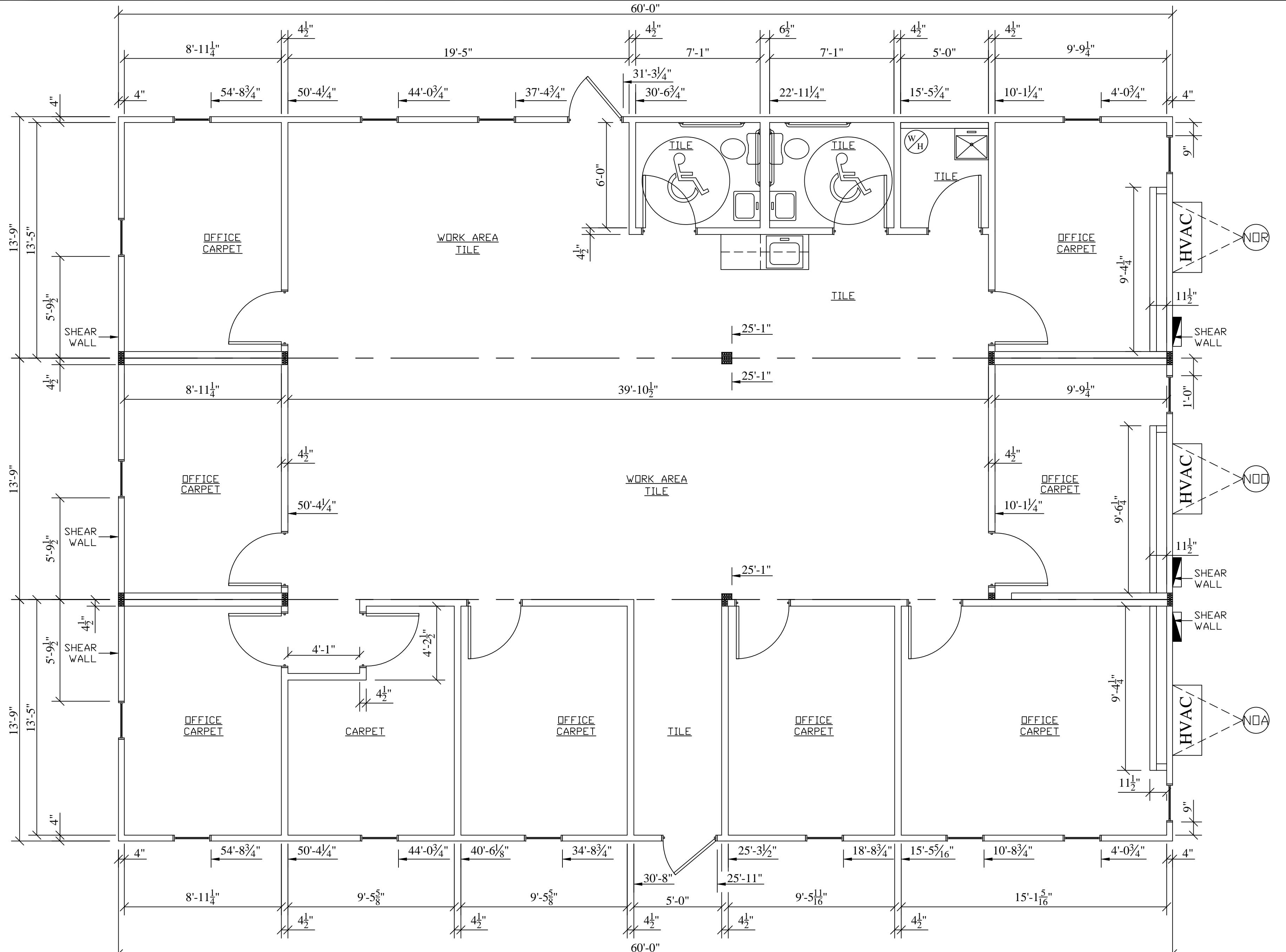
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11 OF 15

DEALER: NORTEX MODULAR DFW	PROJECT: 14 X 64 (60)
SCALE: AS NOTED	"V0" SERIES
PLOT DATE: 11/11/2008	SALESMAN: RP
SALESMAN: RP	DRAWN BY: MJM
STATES: TX	STATES:
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REVISIONS:	REVISIONS:

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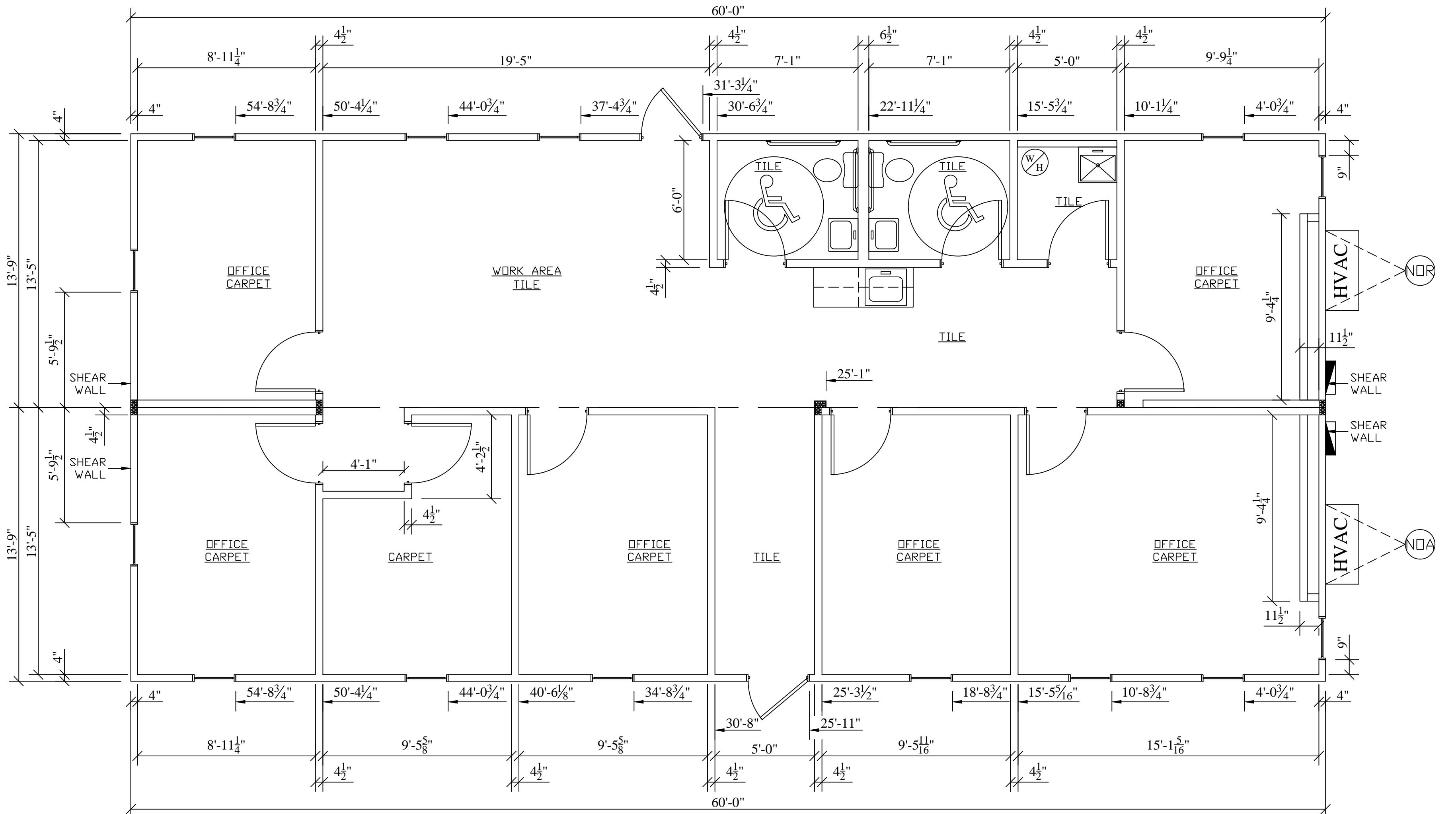
10 OF 15



**TRIPLE FLOOR PLAN**

1/4" = 1'-0"

SQUARE FOOTAGE: 2475  
USE GROUP: B  
CONSTRUCTION TYPE: VB  
OCCUPANT LOAD: 25



### DOUBLE FLOOR PLAN

1/4" = 1'-0"

SQUARE FOOTAGE: 1650  
USE GROUP: B  
CONSTRUCTION TYPE: VB  
OCCUPANT LOAD: 17

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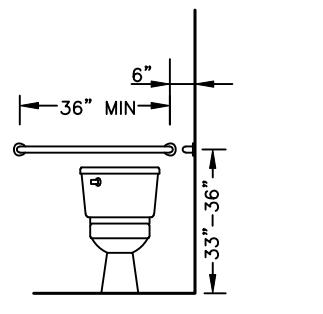
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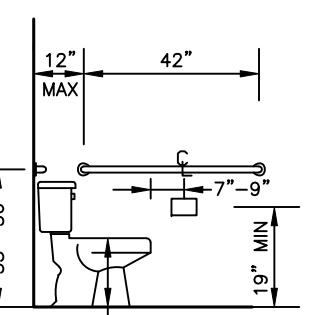
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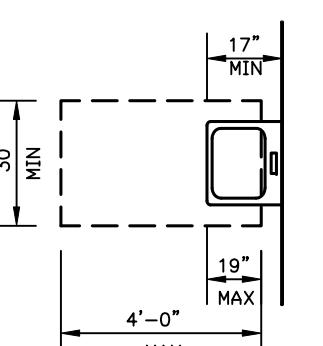
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USE GROUP: B  
CONSTRUCTION TYPE: VB  
OCCUPANT LOAD: 8



HANDICAPPED WATER CLOSET FRONT VIEW



HANDICAPPED WATER CLOSET SIDE VIEW



CLEAR FLOOR SPACE AT LAVATORIES

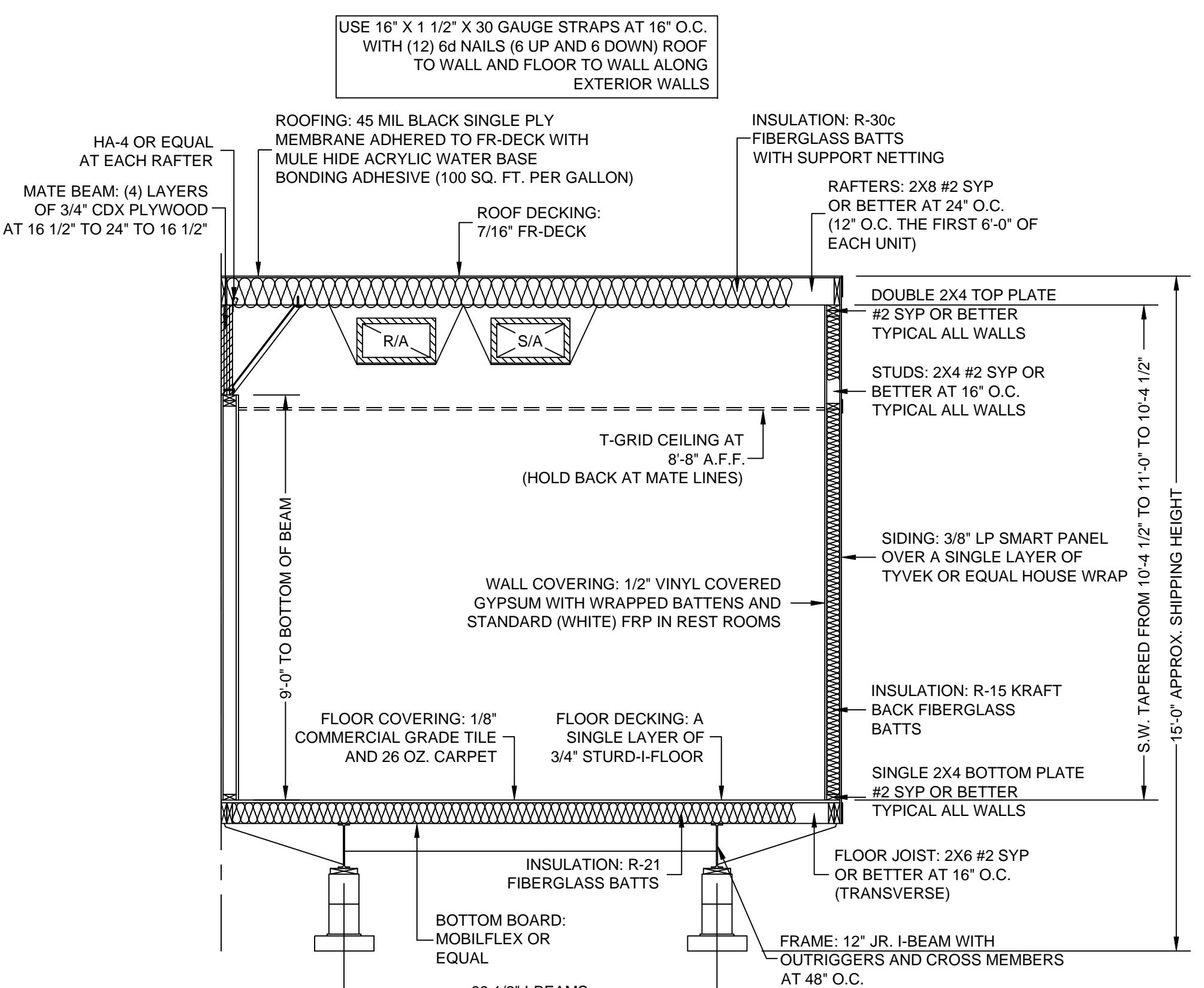
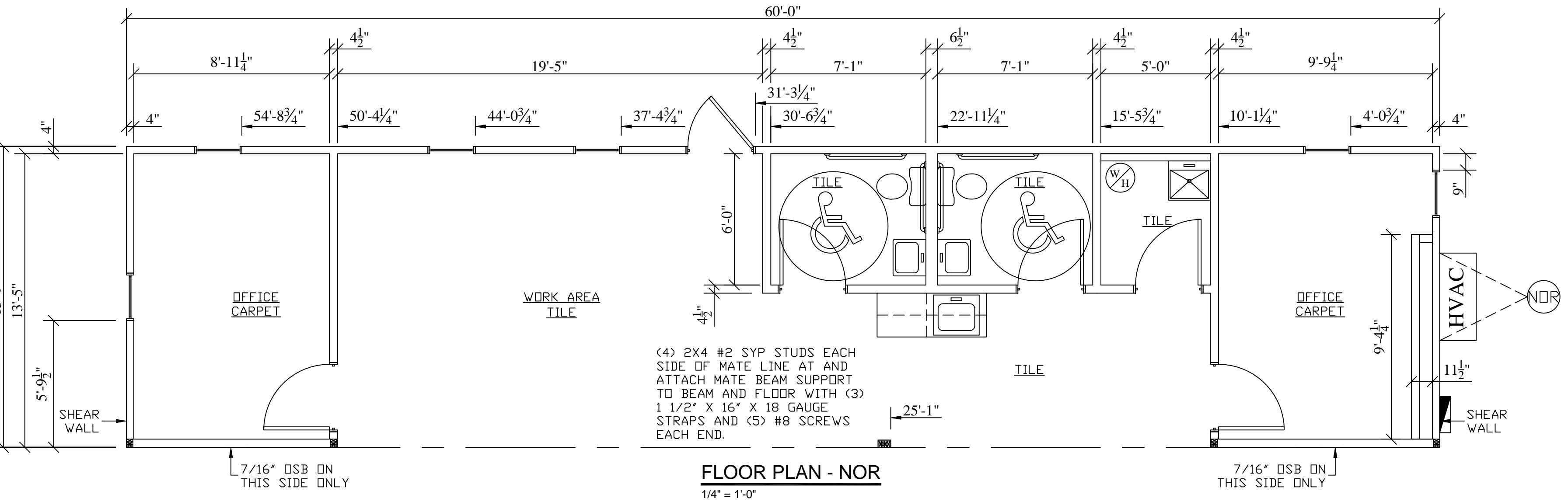
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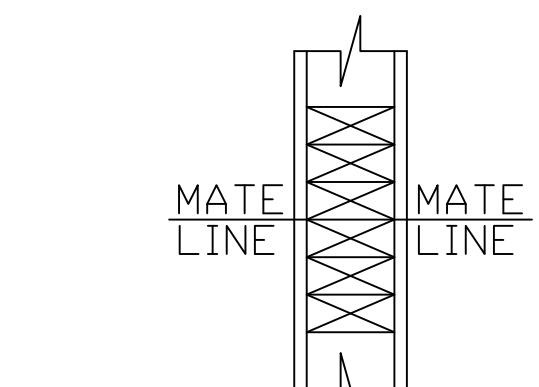
SHEET:  
6 OF 15



#### BUILDING CROSS-SECTION AT HITCH END

3/8" = 1'-0"

FOUNDATION TO BE CONSTRUCTED IN ACCORDANCE WITH THE INDICOM STATE PACKAGE OR DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER. CRAWL SPACE ACCESS AND VENTING TO BE PROVIDED AND SITE INSTALLED BY OTHERS IN ACCORDANCE WITH THE 2006 IBC SECTIONS 1209.1 AND 1203.3.1 RESPECTIVELY.



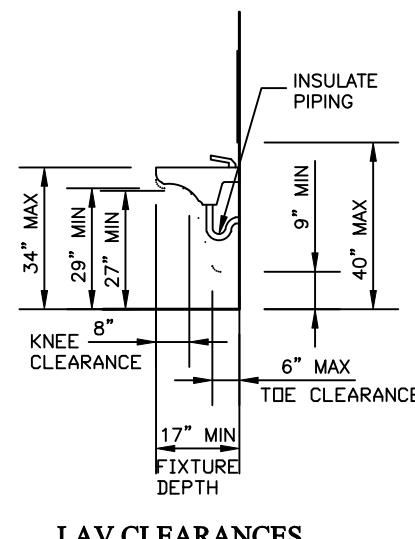
THREE (3) STUD COLUMN: (3) 2x4 #2 SYP STUDS ATTACHED TO BEAM AND FLOOR WITH (2) 1 1/4" X 12" X 18 GAUGE STRAPS WITH (7) #8 SCREWS AT EACH END

#### COLUMN DETAIL IN WALLS

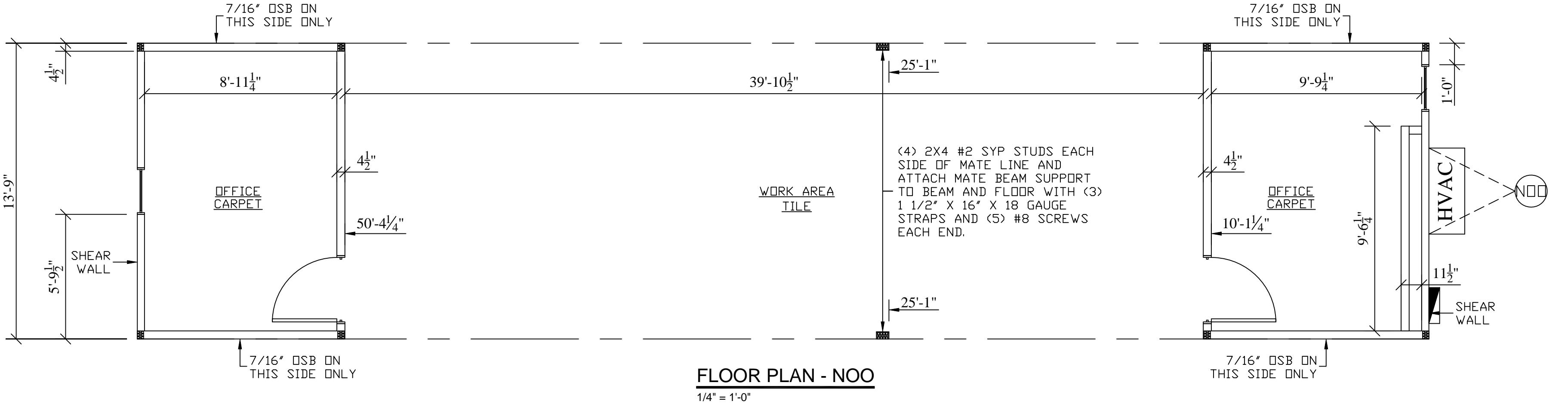
1 1/2" = 1'-0"

#### FLOOR PLAN LEGEND

	HANDICAPPED TANK TYPE WATER CLOSET
	WHITE VITREOUS WALL HUNG LAVATORY WITH ADA HANDLES
	6 GALLON ELECTRIC WATER HEATER WITH VACUUM RELIEF AND DRAIN PAN
	25" X 22" STAINLESS STEEL SINGLE BOWL SINK WITH ADA HANDLES AND GOOSENECK FAUCET
	24" X 24" FIBERGLASS MOP SINK WITH LEGS
	36" GRAB BAR
	42" GRAB BAR



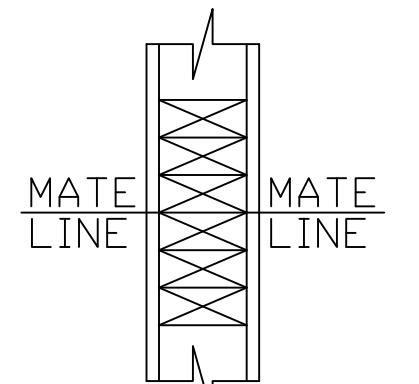
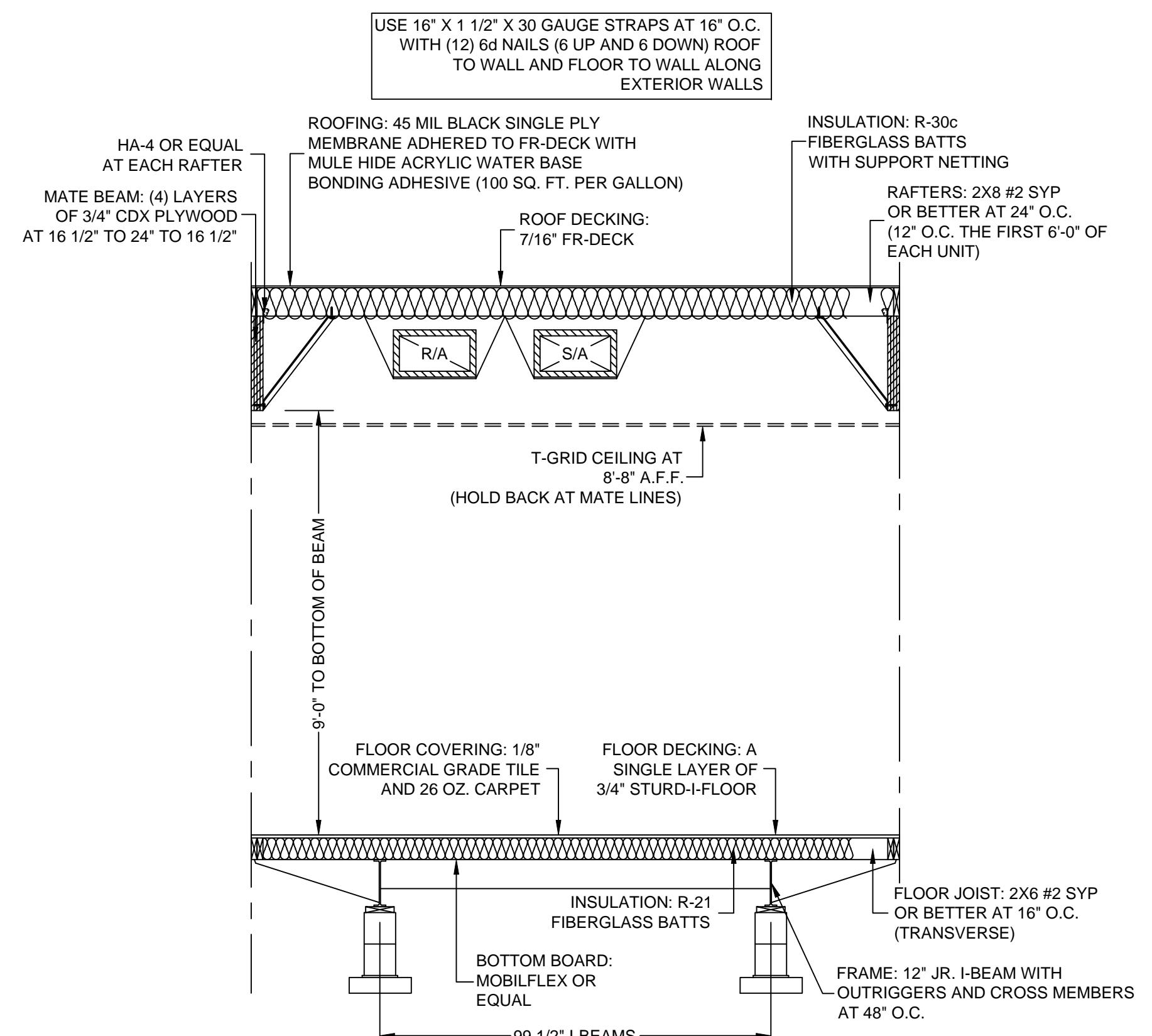
LAV CLEARANCES



SQUARE FOOTAGE: 825  
USE GROUP: B  
CONSTRUCTION TYPE: VB  
OCCUPANT LOAD: 8

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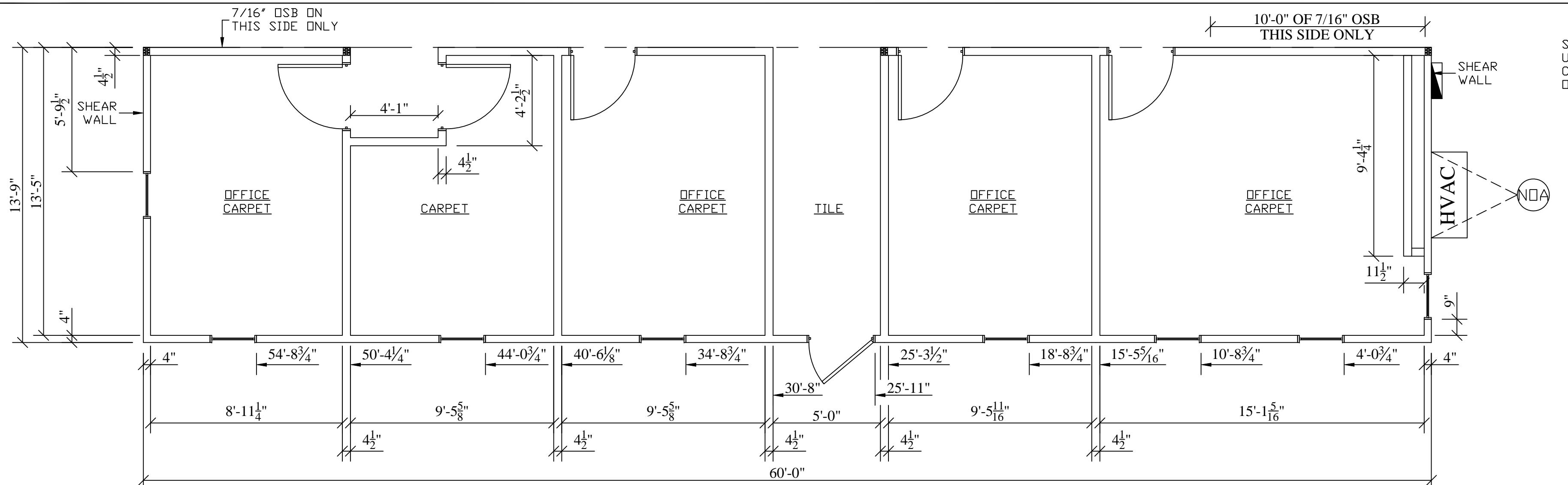


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REVISIONS:

SHEET: 4 OF 15

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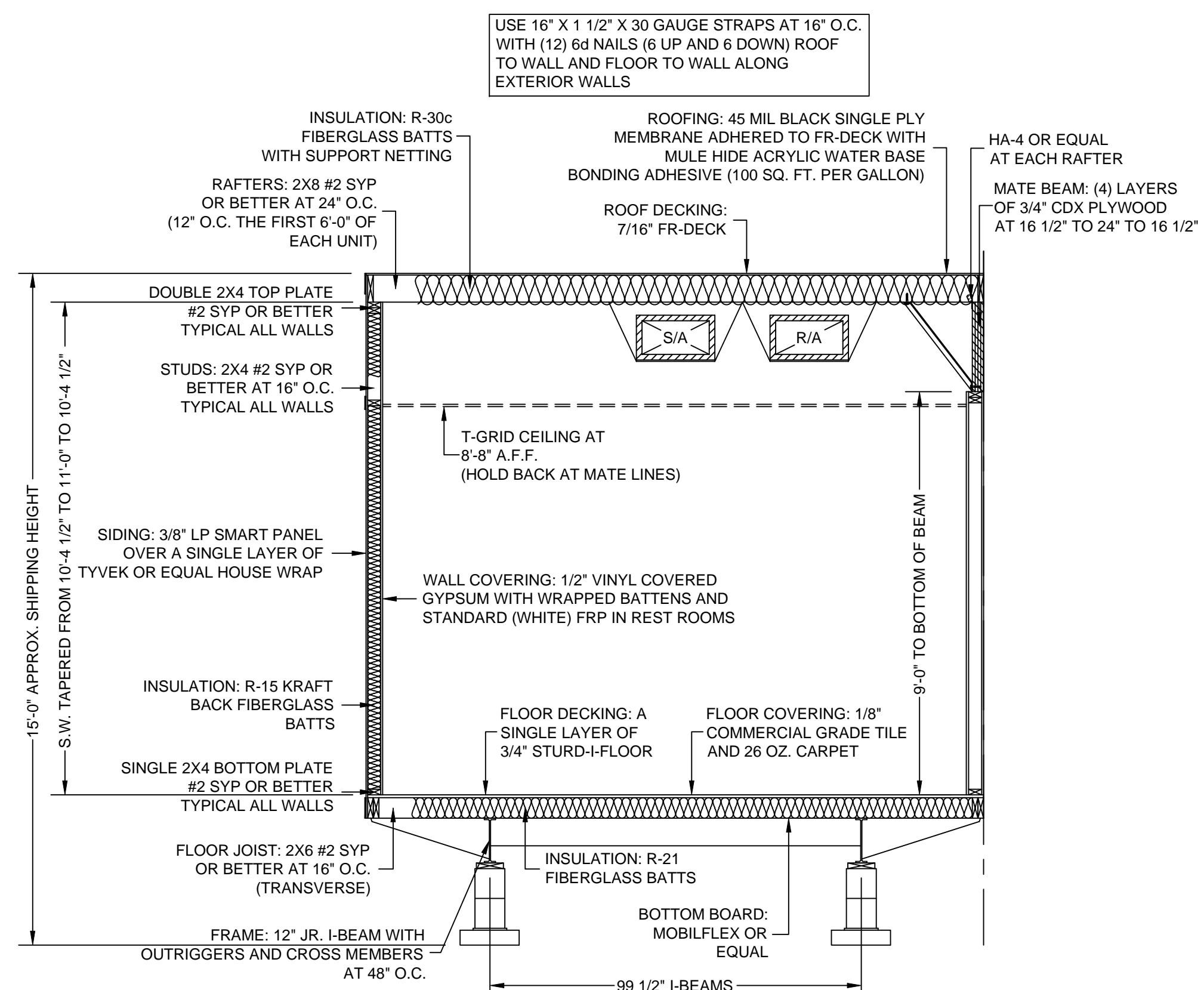


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817-447-1213 FAX 817-447-2751

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**FLOOR PLAN - NOA**

1/4" = 1'-0"



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**COLUMN DETAIL IN WALLS**

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		REVISIONS:

SHEET:

2 OF 15

**BUILDING CROSS-SECTION AT HITCH END**

3/8" = 1'-0"

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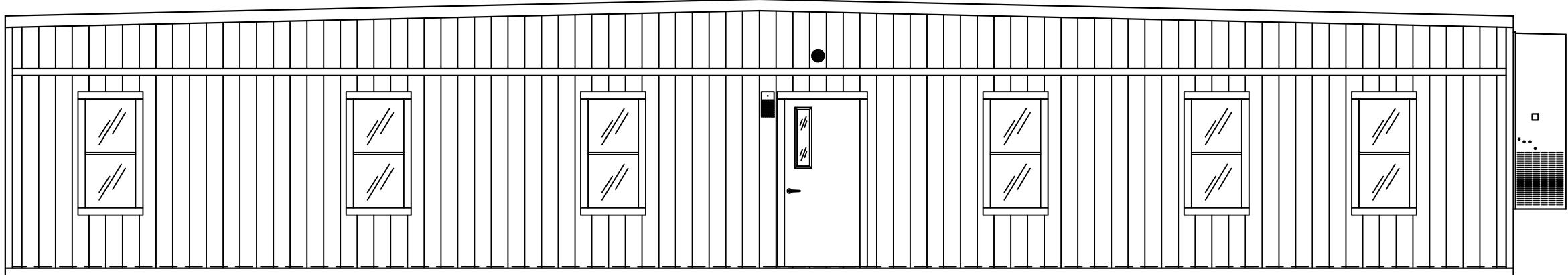
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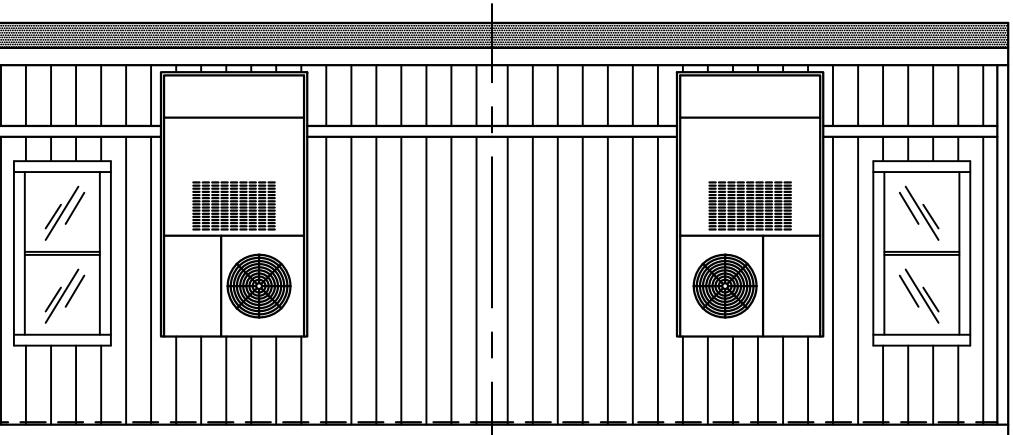
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PROJECT NUMBER:  
PROJECT - NTX - VO

SCALE: AS NOTED  
PLOT DATE:  
11/11/2008  
SALESMAN: RP  
DRAWN BY: MJM  
STATES:  
TX  
SERIAL NUMBERS:  
XXX  
REVISIONS:

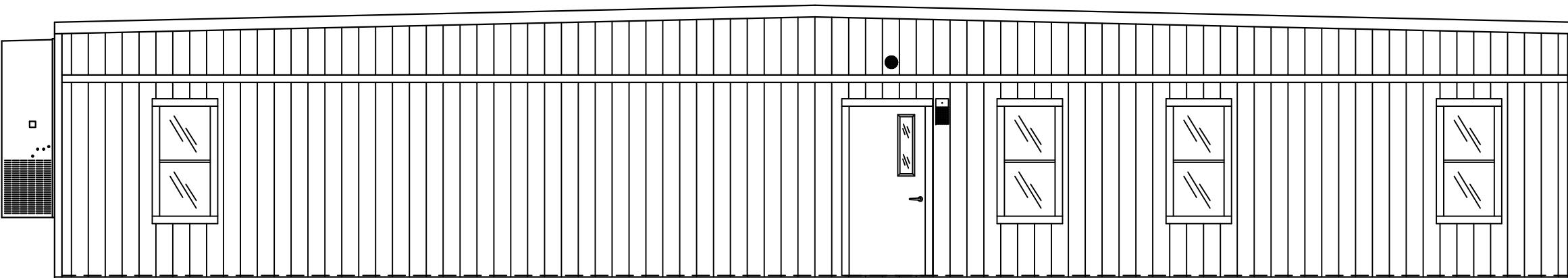
SHEET:



**FRONT ELEVATION**

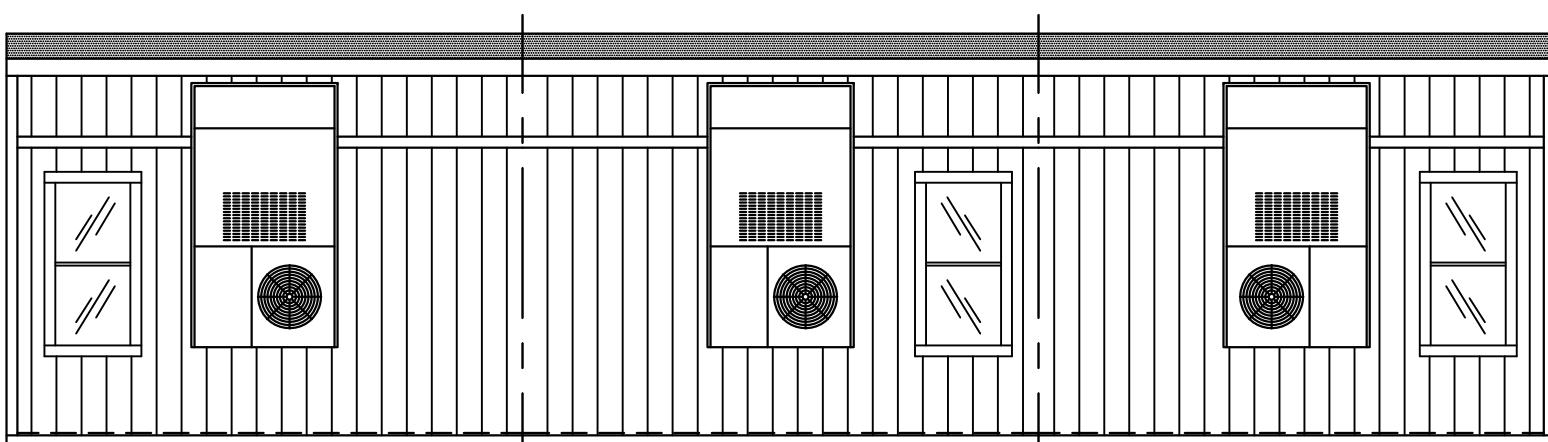


**DOUBLE WIDE HITCH END ELEVATION**



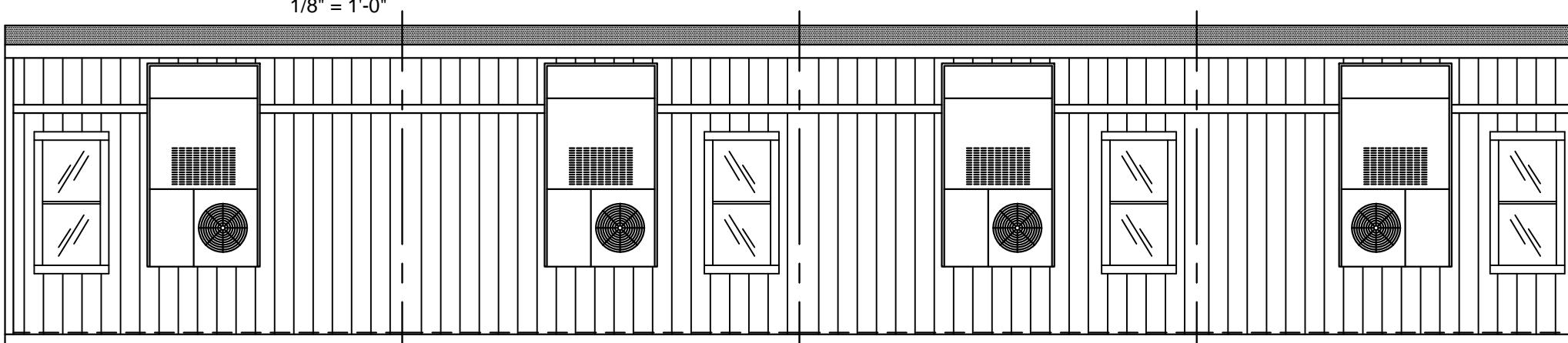
**BACK SIDE ELEVATION**

1/8" = 1'-0"



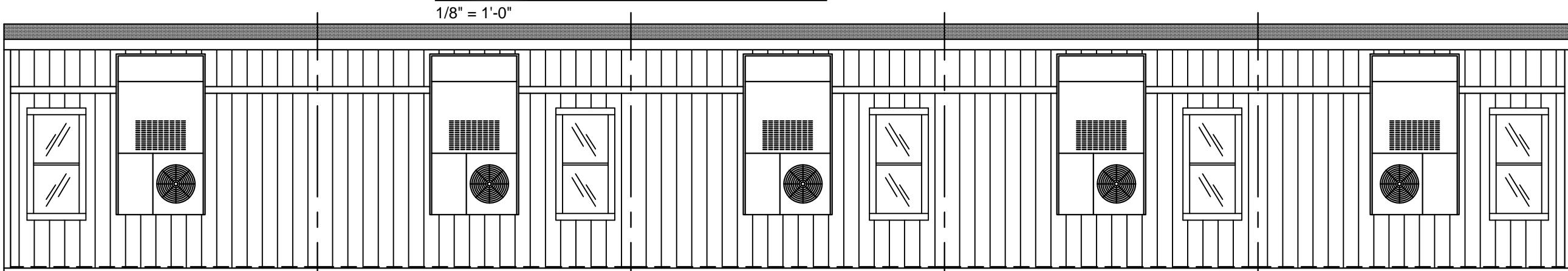
**TRIPLE WIDE HITCH END ELEVATION**

1/8" = 1'-0"



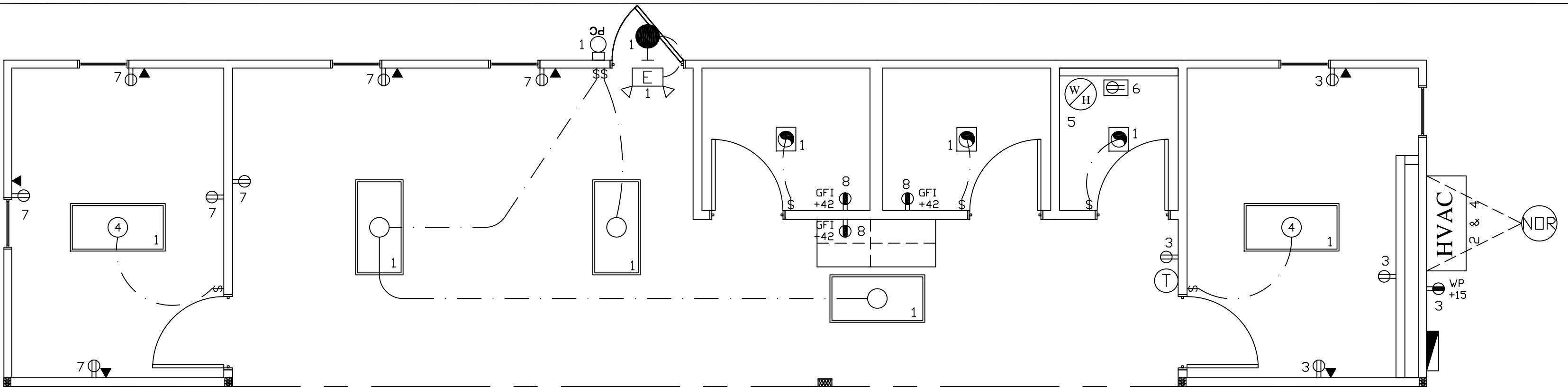
**4-UNIT HITCH END ELEVATION**

1/8" = 1'-0"



**5-UNIT HITCH END ELEVATION**

1/8" = 1'-0"



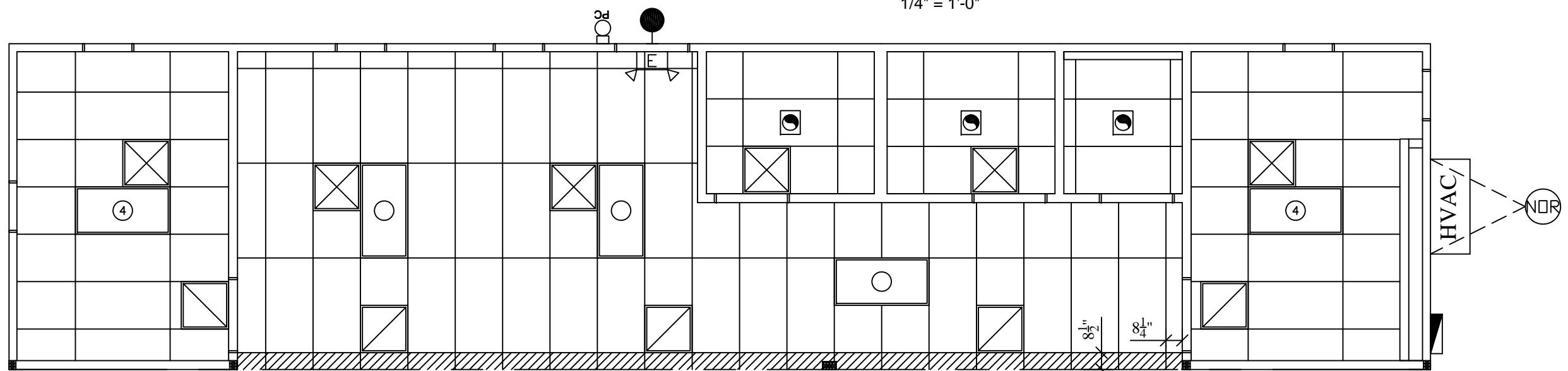
NOTE:  
MAIN ELECTRICAL PANEL TO BE PROVIDED BY OTHERS AND SITE INSTALLED. PANEL TO BE SIZED AS SPEC'D BY CODE BASED ON LOADS SHOWN ON THIS SHEET, "FEEDERS" TO SUB-PANELS ALSO TO BE PROVIDED BY OTHERS AND SIZED IN ACCORD. WITH THE NEC BASED ON LOADS SHOWN.

\*FINAL GROUNDING TO BE COMPLETED BY OTHERS ON SITE IN ACCORDANCES WITH THE NEC.

\*MINIMUM WIRE SIZE - #12 THHN.  
\*MINIMUM BREAKER SIZE - 20A

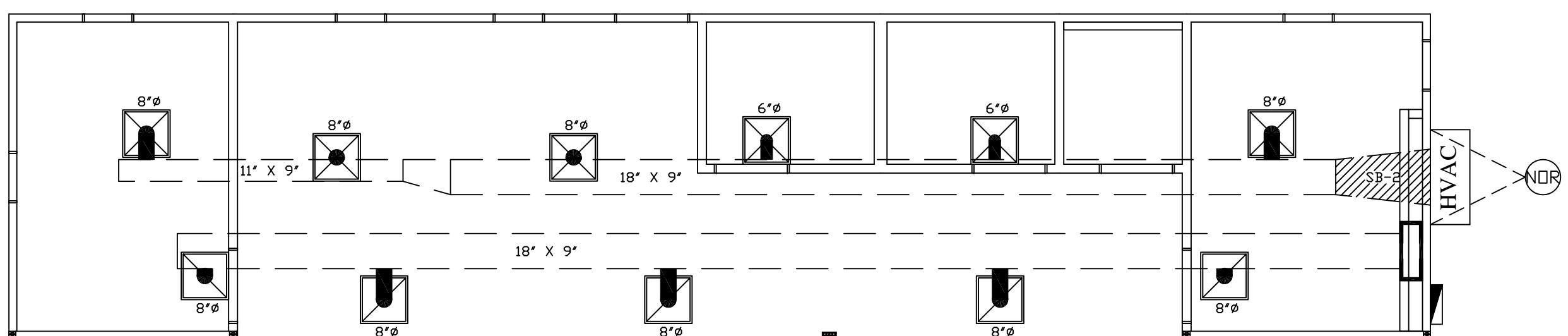
**ELECTRICAL PLAN**

1/4" = 1'-0"



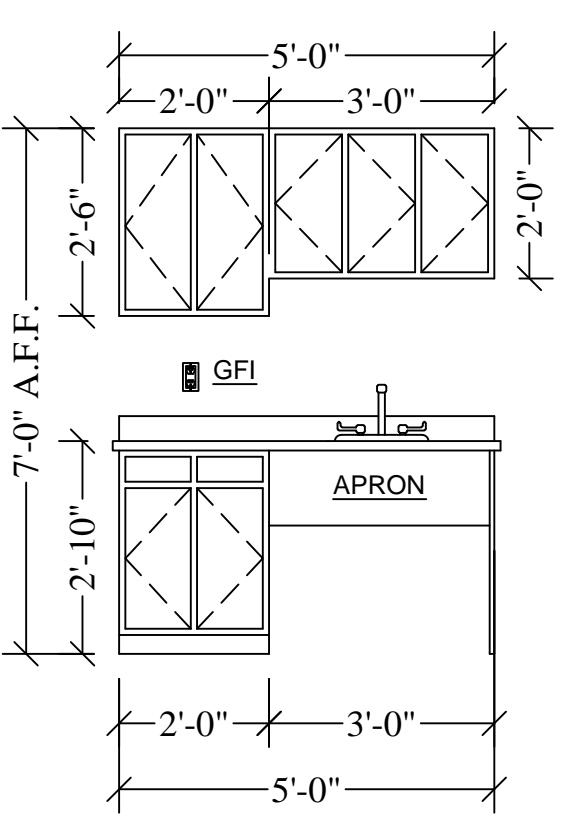
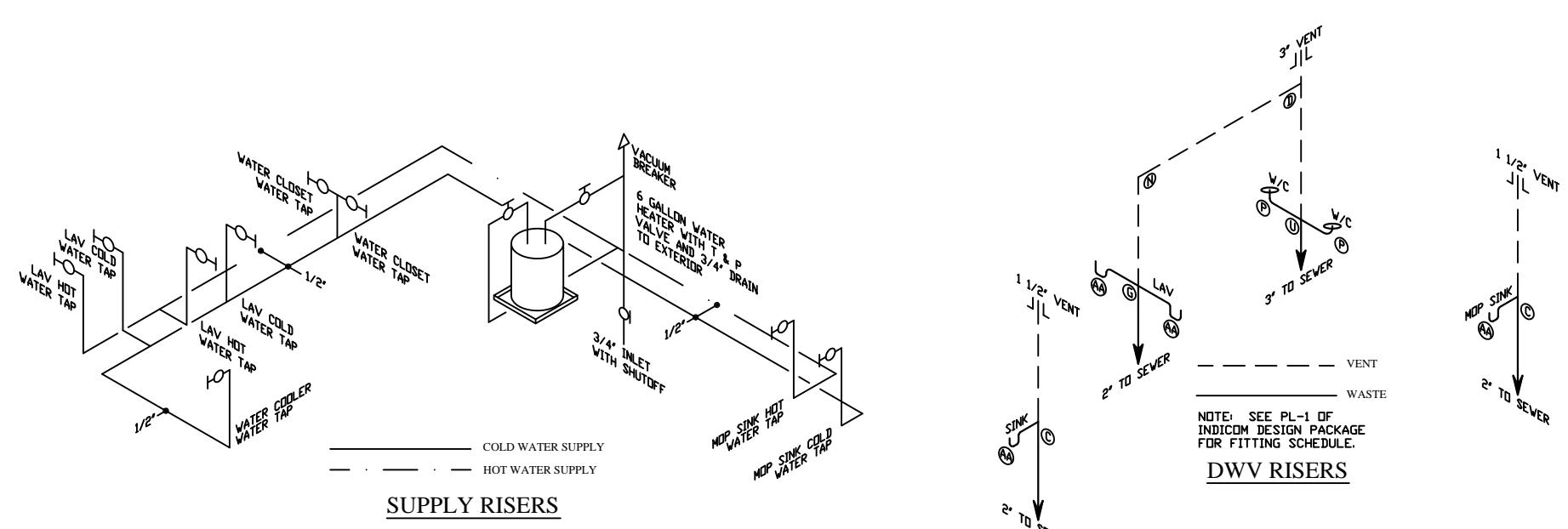
**REFLECTED CEILING PLAN**

3/16" = 1'-0"



**HVAC PLAN**

3/16" = 1'-0"



**CABINET DETAILS**

3/8" = 1'-0"

**ELECTRICAL LEGEND**

(4)	4-TUBE DIFFUSED FLUORESCENT RECESSED LAY-IN (T-8 LAMPS AND ELECTRONIC BALLAST)	Ø	20A/125V DUPLEX RECEPTACLE MOUNTED AT 15' A.F.F.
(O)	3-TUBE DIFFUSED FLUORESCENT RECESSED LAY-IN (T-8 LAMPS AND ELECTRONIC BALLAST)	Ø VP	20A/125V WEATHERPROOF RECEPTACLE WITH IN-USE COVER MOUNTED AT 15' A.F.F.
(GFI)		GFI	20A/125V GFI RECEPTACLE MOUNTED AT 42" A.F.F.
(P)	FLUORESCENT EXTERIOR PORCH LIGHT WITH PHOTOCELL	(P)	20A/125V HEAT TAPE RECEPTACLE MOUNTED UNDER THE FLOOR
(E)	COMBO DUAL EMERGENCY LIGHT/EXIT SIGN WITH BATTERY BACKUP	▲	2X4 J-BOX WITH 3/4" EMT CONDUIT STUBBED OUT ABOVE CEILING. J-BOX MOUNTED AT 15' A.F.F.
(T)	EXTERIOR REMOTE HEAD EMERGENCY LIGHT (CENTER LIGHT ABOVE DOOR)	(T)	PROGRAMMABLE THERMOSTAT . THERMOSTAT MOUNTED AT 48" A.F.F.
(HVAC)	100 CFM CEILING MOUNTED LIGHT/EXHAUST FAN COMBO	HVAC	3-TON HVAC WITH 10KW ELECTRIC HEAT STRIP
\$	20A/120V SINGLE POLE SWITCH MOUNTED AT 48" A.F.F.	■	100A (NEMA 3R) SINGLE PHASE PANEL BOX WITH MAIN BREAKER

**100 AMP 120/240 1 PHASE EXTERIOR SURFACE MOUNT PANEL W/ 100 AMP MAIN BRKR**

DESCRIPTION	CIR	BRK	WS	A	B	WS	BRK	CIR	DESCRIPTION
LIGHTS	1	20	#12	854 5444		#6	60	2	HVAC UNIT
RECEPTACLES	3	20	#12	900 5444		#6	2	4	
WATER HEATER	5	25	#10	2000 180		#12	20	6	RECEPTACLE
RECEPTACLES	7	20	#12	1260 540		#XX	XX	8	RECEPTACLES
SPACE	9	XX	XXX	XXXX XXXX		#XX	XX	10	SPACE
SPACE	11	XX	XXX	XXXX		#XX	XX	12	SPACE

**ELECTRICAL CALCULATIONS:**

GENERAL LIGHTING:  
825 sq/ft x 3.5 x 1.25 = 3609.38  
(10,888) HVAC UNIT = 10,888  
(2880) RECEPTACLES = 2880  
(2000) WATER HEATER = 2000

$$19,377.38 \div 240v = 80.74 \text{ AMPS TOTAL}$$

**PANEL "NOR"**

**MECHANICAL VENTILATION**

BUILDING SQUARE FOOTAGE 825 S.F.  
OCCUPANCY LOAD 8  
OUTSIDE AIR REQUIRED (20 cfm x 8) 160 CFM  
TOTAL CFM AVAILABLE 1200 CFM  
FRESH AIR MAKE-UP (160 / 1200) 13.3%

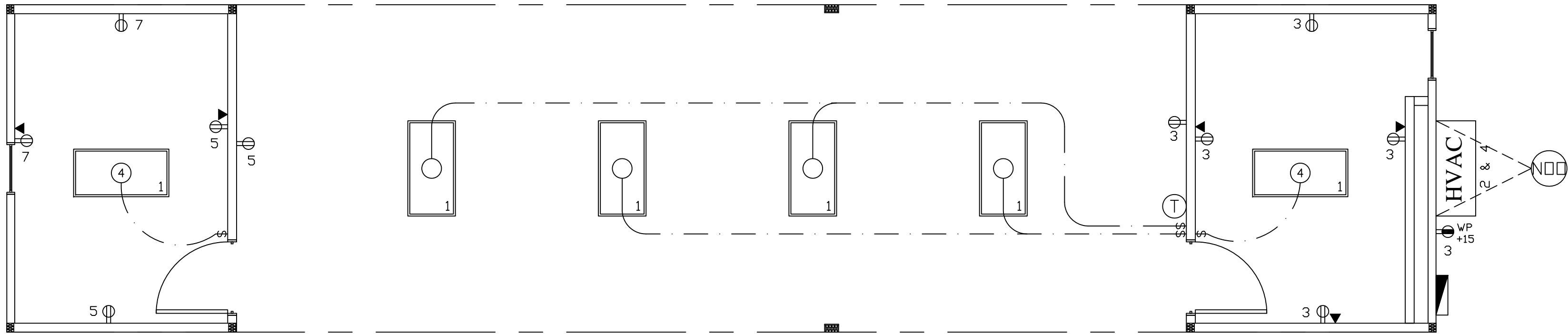
\*MECHANICAL VENTILATION SHALL BE PROVIDED AS REQ'D. IN ACCORDANCE WITH TABLE 403.3 OF THE 2003 IMC OR NATURAL MEANS OF VENTILATION SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 402 OF THE 2003 IMC.

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DEALER: NORTEX MODULAR  
DFW  
PROJECT: 14 X 64 (60)  
NORPLEX "VO" SERIES  
PROJECT NUMBER:  
PROJECT - NTX - VO

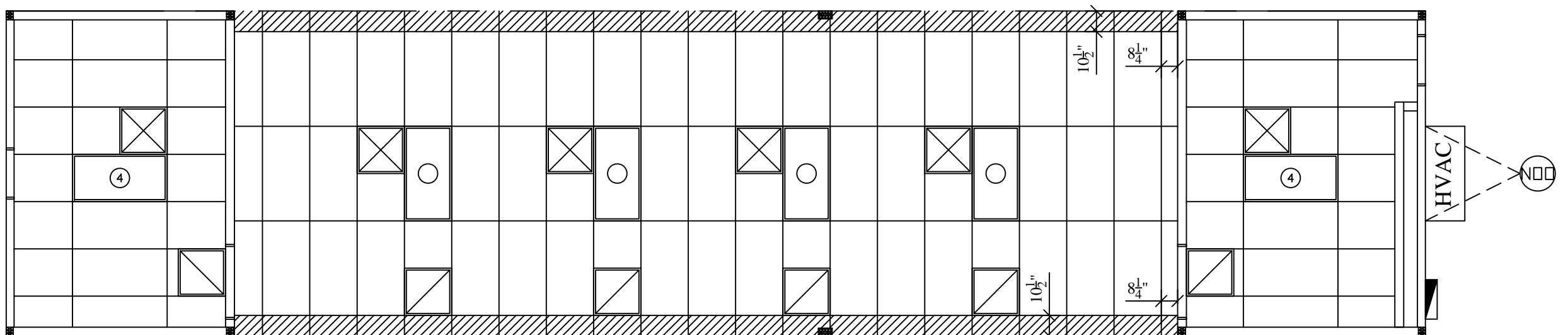
SCALE: AS NOTED  
PLOT DATE: 11/11/2008  
SALESMAN: RP  
DRAWN BY: MJM  
STATES: TX  
SERIAL NUMBERS: XXX  
REVISIONS:

SHEET: 7 OF 15



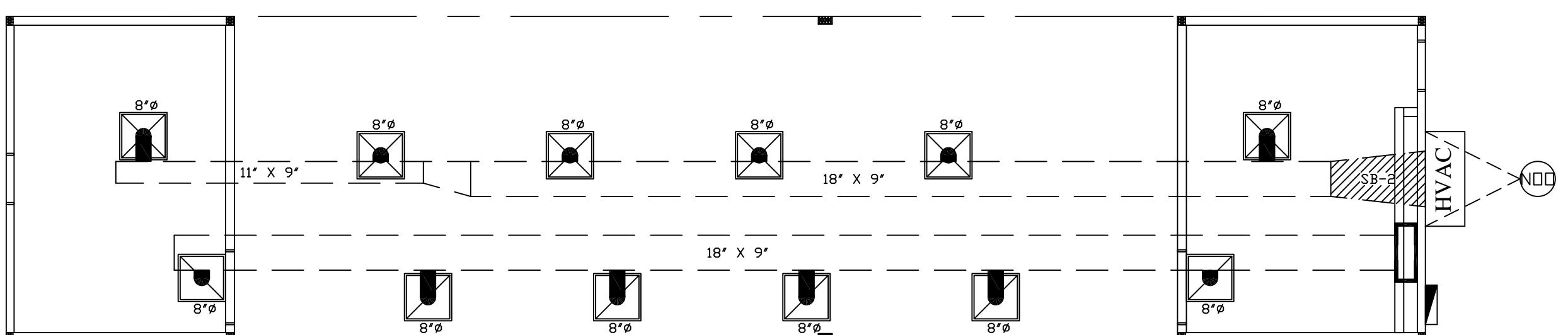
**ELECTRICAL PLAN**

1/4" = 1'-0"



**REFLECTED CEILING PLAN**

3/16" = 1'-0"



**HVAC PLAN**

3/16" = 1'-0"

**NOTE:**  
MAIN ELECTRICAL PANEL TO BE PROVIDED BY OTHERS AND SITE INSTALLED. PANEL TO SIZED AS SPEC'D BY CODE BASED ON LOADS SHOWN ON THIS SHEET. "FEEDERS" TO SUB-PANELS ALSO TO BE PROVIDED BY OTHERS AND SIZED IN ACCORD. WITH THE NEC BASED ON LOADS SHOWN.

\*FINAL GROUNDING TO BE COMPLETED BY OTHERS ON SITE IN ACCORDANCES WITH THE NEC.

\*MINIMUM WIRE SIZE - #12 THHN.

\*MINIMUM BREAKER SIZE - 20A

**ELECTRICAL LEGEND**

(4)	4-TUBE DIFFUSED FLUORESCENT RECESSED LAY-IN (T-8 LAMPS AND ELECTRONIC BALLAST)	Ø	20A/125V DUPLEX RECEPTACLE MOUNTED AT 15' A.F.F.
(O)	3-TUBE DIFFUSED FLUORESCENT RECESSED LAY-IN (T-8 LAMPS AND ELECTRONIC BALLAST)	Ø VP	20A/125V WEATHERPROOF RECEPTACLE WITH IN-USE COVER MOUNTED AT 15' A.F.F.
(GFI)		Ø GFI	20A/125V GFI RECEPTACLE MOUNTED AT 42' A.F.F.
(P)	FLUORESCENT EXTERIOR PORCH LIGHT WITH PHOTOCELL	Ø	20A/125V HEAT TAPE RECEPTACLE MOUNTED UNDER THE FLOOR
(E)	COMBO DUAL EMERGENCY LIGHT/EXIT SIGN WITH BATTERY BACKUP	▲	2X4 J-BOX WITH 3/4" EMT CONDUIT STUBBED OUT ABOVE CEILING. J-BOX MOUNTED AT 15' A.F.F.
(T)	EXTERIOR REMOTE HEAD EMERGENCY LIGHT (CENTER LIGHT ABOVE DOOR)	○	PROGRAMMABLE THERMOSTAT . THERMOSTAT MOUNTED AT 48' A.F.F.
(S)	100 CFM CEILING MOUNTED LIGHT/EXHAUST FAN COMBO	HVAC	3-TON HVAC WITH 10KW ELECTRIC HEAT STRIP
\$	20A/120V SINGLE POLE SWITCH MOUNTED AT 48' A.F.F.	■	100A (NEMA 3R) SINGLE PHASE PANEL BOX WITH MAIN BREAKER

100 AMP 120/240 1 PHASE EXTERIOR SURFACE MOUNT PANEL W/ 100 AMP MAIN BRKR								
DESCRIPTION	CIR	BRK	WS	A	B	WS	BRK CIR	DESCRIPTION
LIGHTS	1	20	#12	724 5444	XXXX	#6	60	HVAC UNIT
RECEPTACLES	3	20	#12	1080 5444	XXXX	#6	2	
RECEPTACLES	5	20	#12	540 XXXX	XXXX	#XX	6	SPACE
RECEPTACLES	7	20	#12	360 XXXX	XXXX	#XX	8	SPACE
SPACE	9	XX	#XX	XXXX XXXX	XXXX	#XX	10	SPACE
SPACE	11	XX	#XX	XXXX	XXXX	#XX	12	SPACE

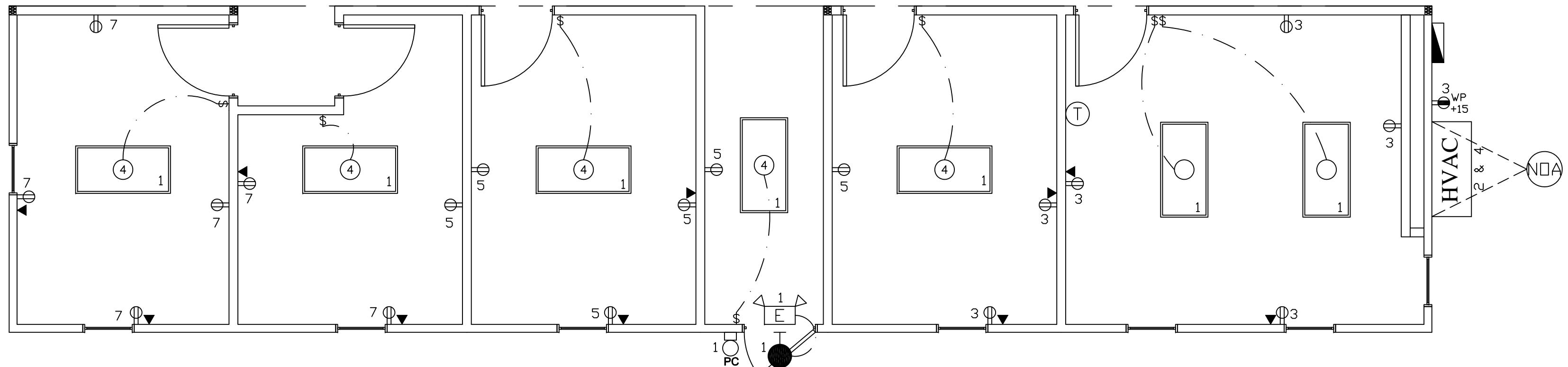
**ELECTRICAL CALCULATIONS:** PANEL "NOO"

GENERAL LIGHTING:  
825 sq/ft x 3.5 x 1.25 = 3609.38  
(10,888) HVAC UNIT = 10,888  
(1980) RECEPTACLES = 1980

$$16,477.38 \div 240v = 68.66 \text{ AMPS TOTAL}$$

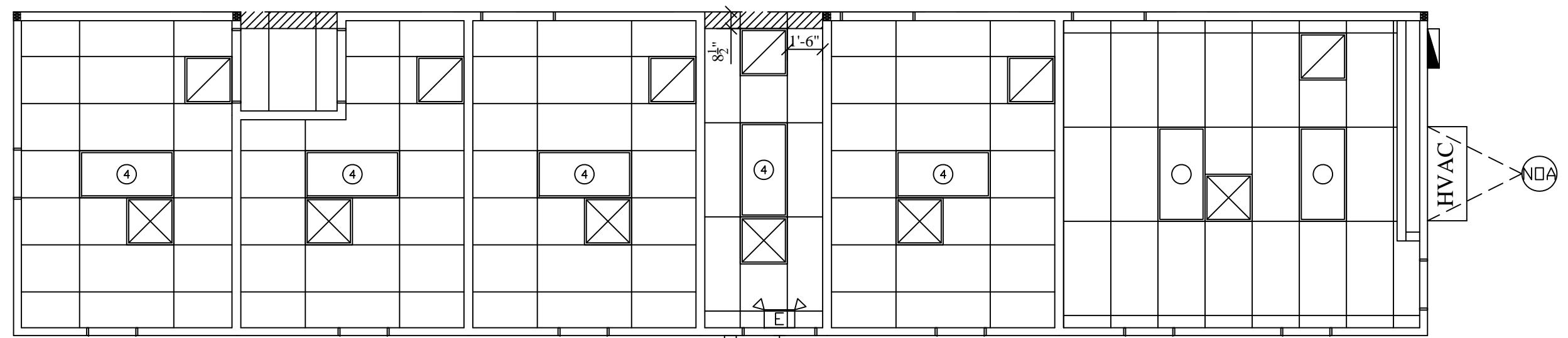
**MECHANICAL VENTILATION**

BUILDING SQUARE FOOTAGE	825 S.F.
OCCUPANCY LOAD	8
OUTSIDE AIR REQUIRED (20 cfm x 8)	160 CFM
TOTAL CFM AVAILABLE	1200 CFM
FRESH AIR MAKE-UP (160 / 1200)	13.3%
*MECHANICAL VENTILATION SHALL BE PROVIDED AS REQ'D. IN ACCORDANCE WITH TABLE 403.3 OF THE 2003 IMC OR NATURAL MEANS OF VENTILATION SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 402 OF THE 2003 IMC.	



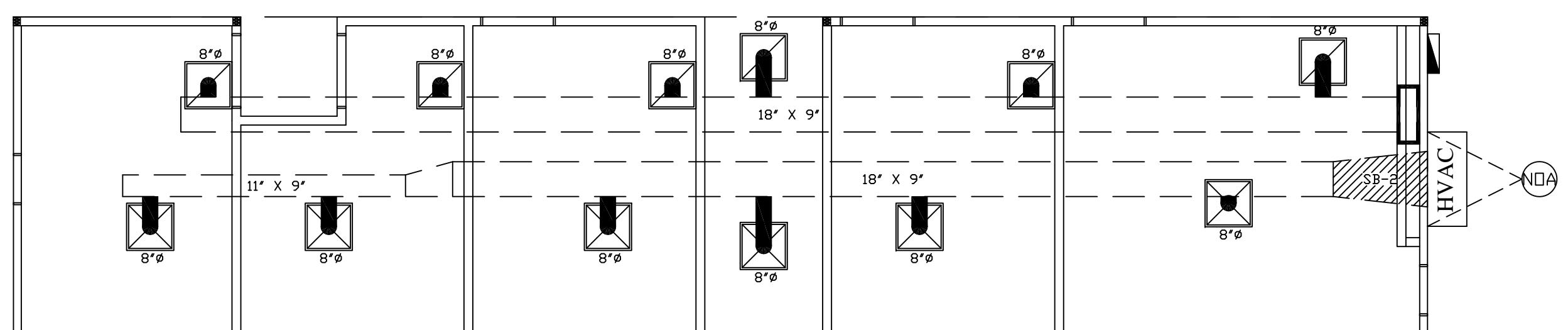
ELECTRICAL PLAN

1/4" = 1'-0"



REFLECTED CEILING PLAN

3/16" = 1'-0"



HVAC PLAN

3/16" = 1'-0"

NOTE:  
MAIN ELECTRICAL PANEL TO BE PROVIDED BY OTHERS AND SITE INSTALLED. PANEL TO SIZED AS SPEC'D BY CODE BASED ON LOADS SHOWN ON THIS SHEET, "FEEDERS" TO SUB-PANELS ALSO TO BE PROVIDED BY OTHERS AND SIZED IN ACCORD. WITH THE NEC BASED ON LOADS SHOWN.

\*FINAL GROUNDING TO BE COMPLETED BY OTHERS ON SITE IN ACCORDANCES WITH THE NEC.

\*MINIMUM WIRE SIZE - #12 THHN.

\*MINIMUM BREAKER SIZE - 20A

ELECTRICAL LEGEND

(4)	4-TUBE DIFFUSED FLUORESCENT RECESSED LAY-IN (T-8 LAMPS AND ELECTRONIC BALLAST)	∅	20A/125V DUPLEX RECEPTACLE MOUNTED AT 15' A.F.F.
(O)	3-TUBE DIFFUSED FLUORESCENT RECESSED LAY-IN (T-8 LAMPS AND ELECTRONIC BALLAST)	∅ WP	20A/125V WEATHERPROOF RECEPTACLE WITH IN-USE COVER MOUNTED AT 15' A.F.F.
(GFI)		∅ GFI	20A/125V GFI RECEPTACLE MOUNTED AT 42' A.F.F.
(P)	FLUORESCENT EXTERIOR PORCH LIGHT WITH PHOTOCELL	∅	20A/125V HEAT TAPE RECEPTACLE MOUNTED UNDER THE FLOOR
(E)	COMBO DUAL EMERGENCY LIGHT/EXIT SIGN WITH BATTERY BACKUP	▲	2X4 J-BOX WITH 3/4" EMT CONDUIT STUBBED OUT ABOVE CEILING. J-BOX MOUNTED AT 15' A.F.F.
(●)	EXTERIOR REMOTE HEAD EMERGENCY LIGHT (CENTER LIGHT ABOVE DOOR)	(T)	PROGRAMMABLE THERMOSTAT . THERMOSTAT MOUNTED AT 48' A.F.F.
(HVAC)	100 CFM CEILING MOUNTED LIGHT/EXHAUST FAN COMBO	HVAC	3-TON HVAC WITH 10KW ELECTRIC HEAT STRIP
\$	20A/120V SINGLE POLE SWITCH MOUNTED AT 48' A.F.F.	■	100A (NEMA 3R) SINGLE PHASE PANEL BOX WITH MAIN BREAKER

100 AMP 120/240 1 PHASE EXTERIOR SURFACE MOUNT PANEL W/ 100 AMP MAIN BRKR

DESCRIPTION	CIR	BRK	WS	A	B	WS	BRK	CIR	DESCRIPTION
LIGHTS	1	20	#12	1100 5444		#6	60	2	HVAC UNIT
RECEPTACLES	3	20	#12		1260 5444	#6	2	4	
RECEPTACLES	5	20	#12	1080 XXXX		XX	XX	6	SPACE
RECEPTACLES	7	20	#12		1080 XXXX	#XX	XX	8	SPACE
SPACE	9	XX	#XX	XXXX		#XX	XX	10	SPACE
SPACE	11	XX	#XX		XXXX	#XX	XX	12	SPACE

ELECTRICAL CALCULATIONS:

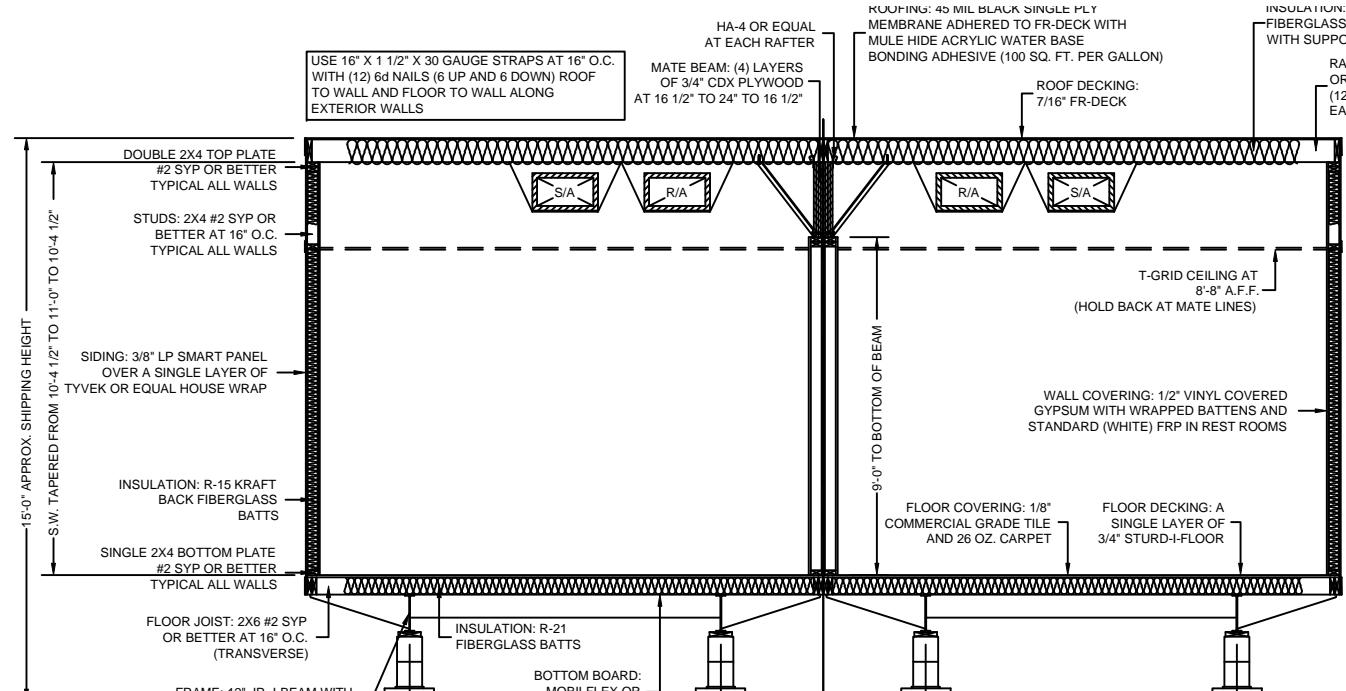
PANEL "NOA"

GENERAL LIGHTING:  
825 sq/ft x 3.5 x 1.25 = 3609.38  
(10,888) HVAC UNIT = 10,888  
(3440) RECEPTACLES = 3440

$$17,937.38 \div 240v = 74.74 \text{ AMPS TOTAL}$$

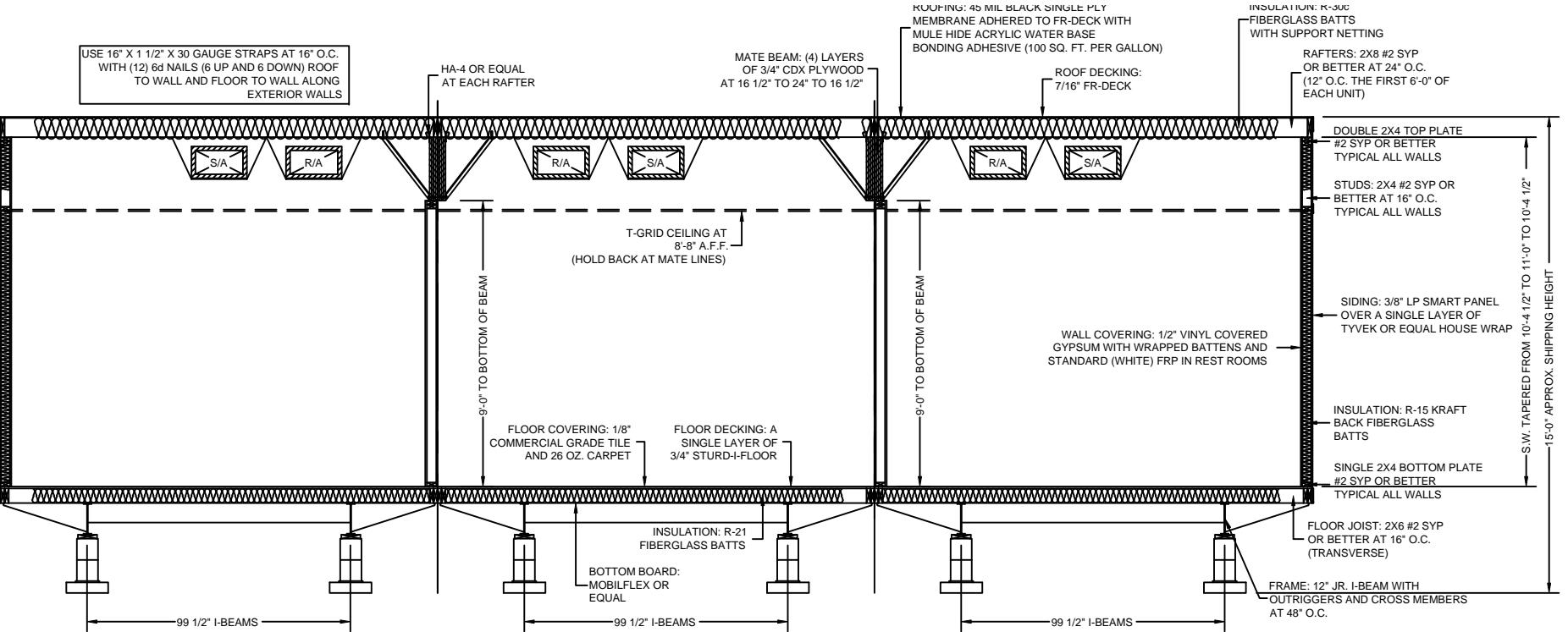
MECHANICAL VENTILATION

BUILDING SQUARE FOOTAGE	825 S.F.
OCCUPANCY LOAD	8
OUTSIDE AIR REQUIRED (20 cfm x 8)	160 CFM
TOTAL CFM AVAILABLE	1200 CFM
FRESH AIR MAKE-UP (160 / 1200)	13.3%
*MECHANICAL VENTILATION SHALL BE PROVIDED AS REQ'D. IN ACCORDANCE WITH TABLE 403.3 OF THE 2003 IMC OR NATURAL MEANS OF VENTILATION SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 402 OF THE 2003 IMC.	



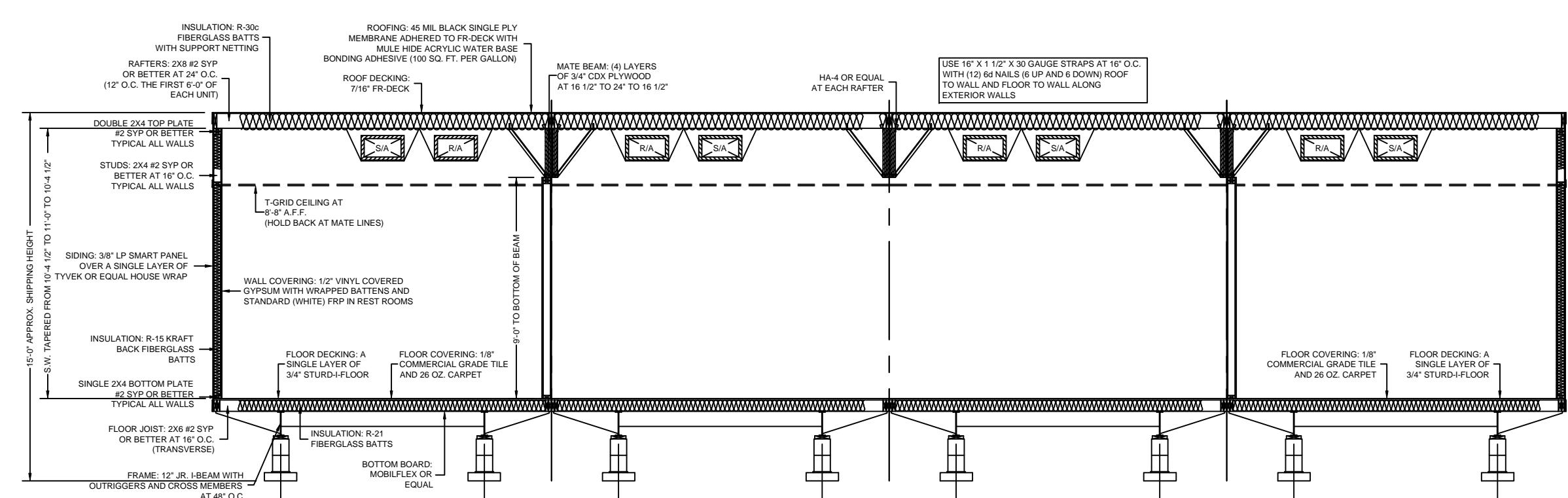
DOUBLE WIDE CROSS-SECTION AT HITCH END

3/16" = 1'-0"



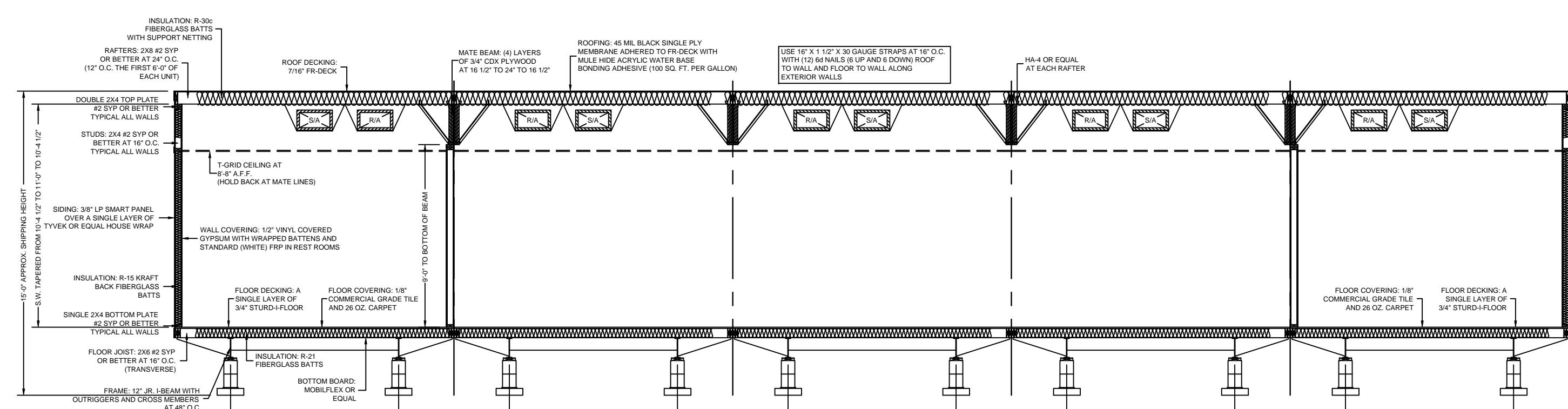
TRIPLE WIDE CROSS-SECTION AT HITCH END

3/16" = 1'-0"



4-UNIT CROSS-SECTION AT HITCH END

3/16" = 1'-0"



5-UNIT CROSS-SECTION AT HITCH END

3/16" = 1'-0"

FOUNDATION TO BE CONSTRUCTED IN ACCORDANCE WITH THE INDICOM STATE PACKAGE OR DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER. CRAWL SPACE ACCESS AND VENTING TO BE PROVIDED AND SITE INSTALLED BY OTHERS IN ACCORDANCE WITH THE 2006 IBC SECTIONS 1209.1 AND 1203.3.1 RESPECTIVELY.

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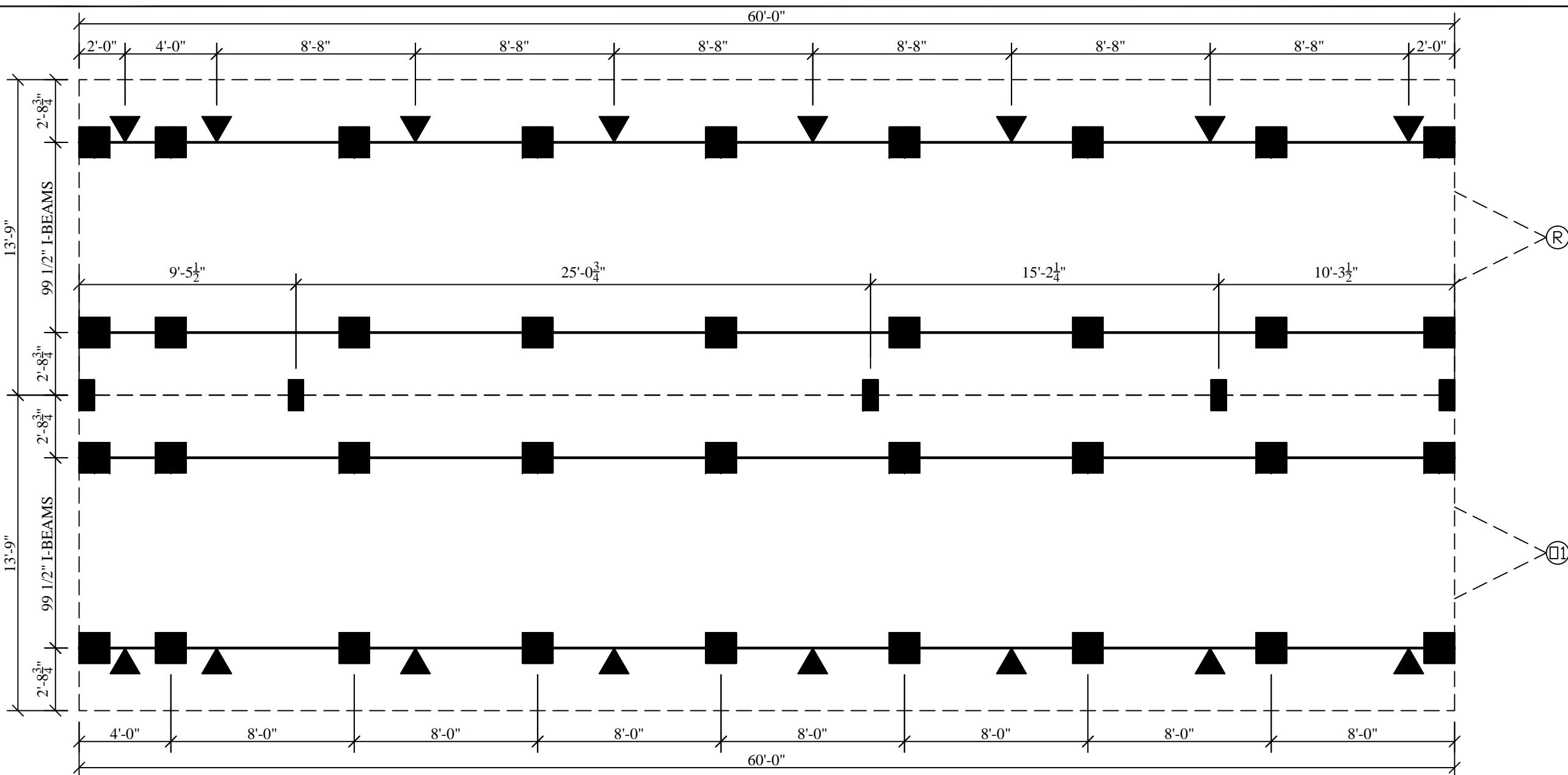
DEALER: NORTEX MODULAR DFW  
PROJECT: 14 X 64 (60)  
"VO" SERIES  
PROJECT NUMBER:  
PROJECT - NTX - VO

SCALE: AS NOTED  
PLOT DATE: 11/11/2008  
SALESMAN: RP  
DRAWN BY: MJM  
STATES: TX  
SERIAL NUMBERS: XXX  
REVISIONS:

SHEET:

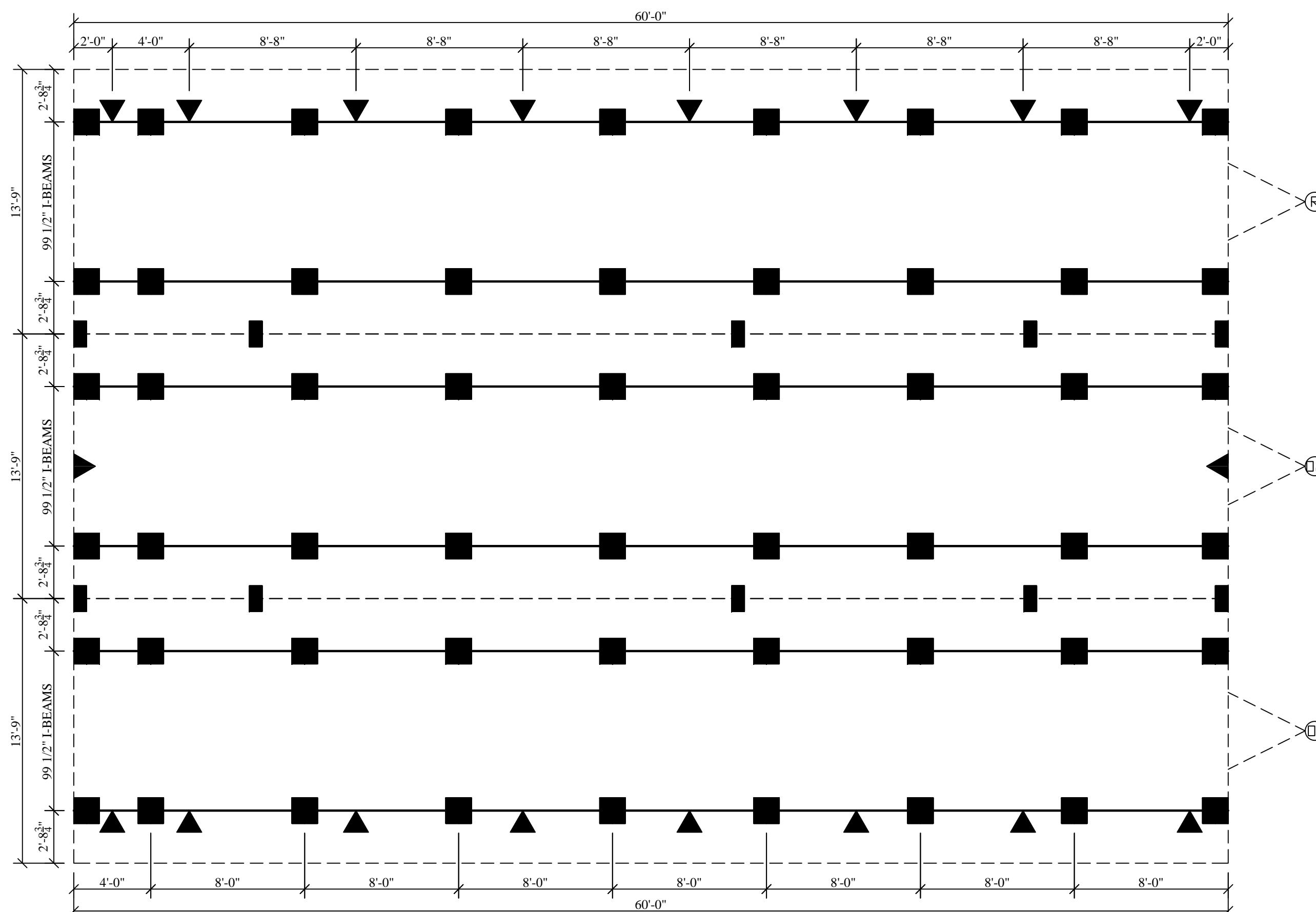
13 OF 15

DEALER: NORTEX MODULAR DFW
PROJECT: 14 X 64 (60) "VO" SERIES
PROJECT NUMBER: NORPLEX - NTX - VO
SCALE: AS NOTED
PLOT DATE: 11/11/2008
SALESMAN: RP
DRAWN BY: MJM
STATES: TX
SERIAL NUMBERS: XXX
REVISIONS:



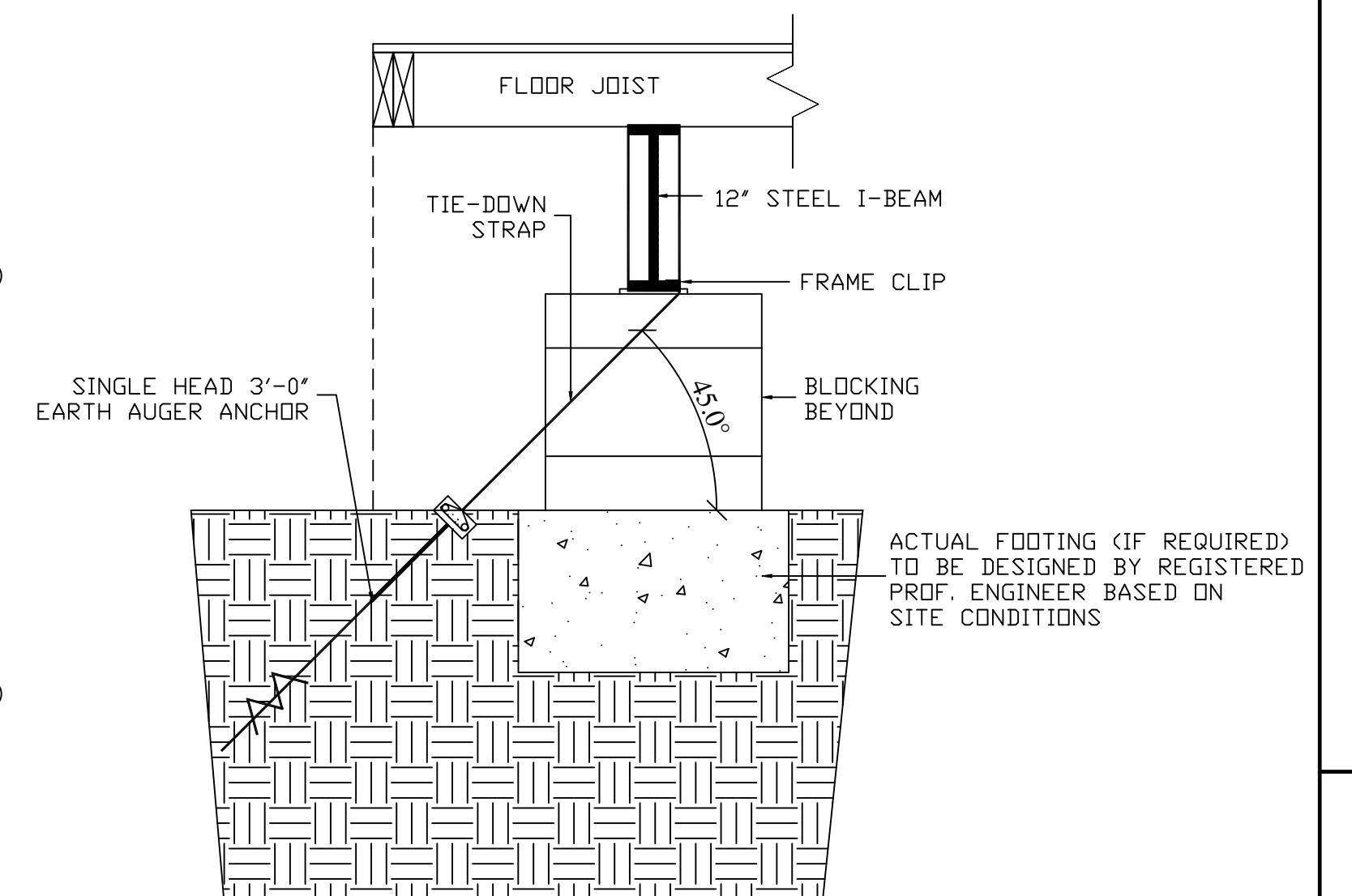
**DOUBLE WIDE SUGGESTED BLOCKING PLAN**

3/16" = 1'-0"



**TRIPLE WIDE SUGGESTED BLOCKING PLAN**

3/16" = 1'-0"

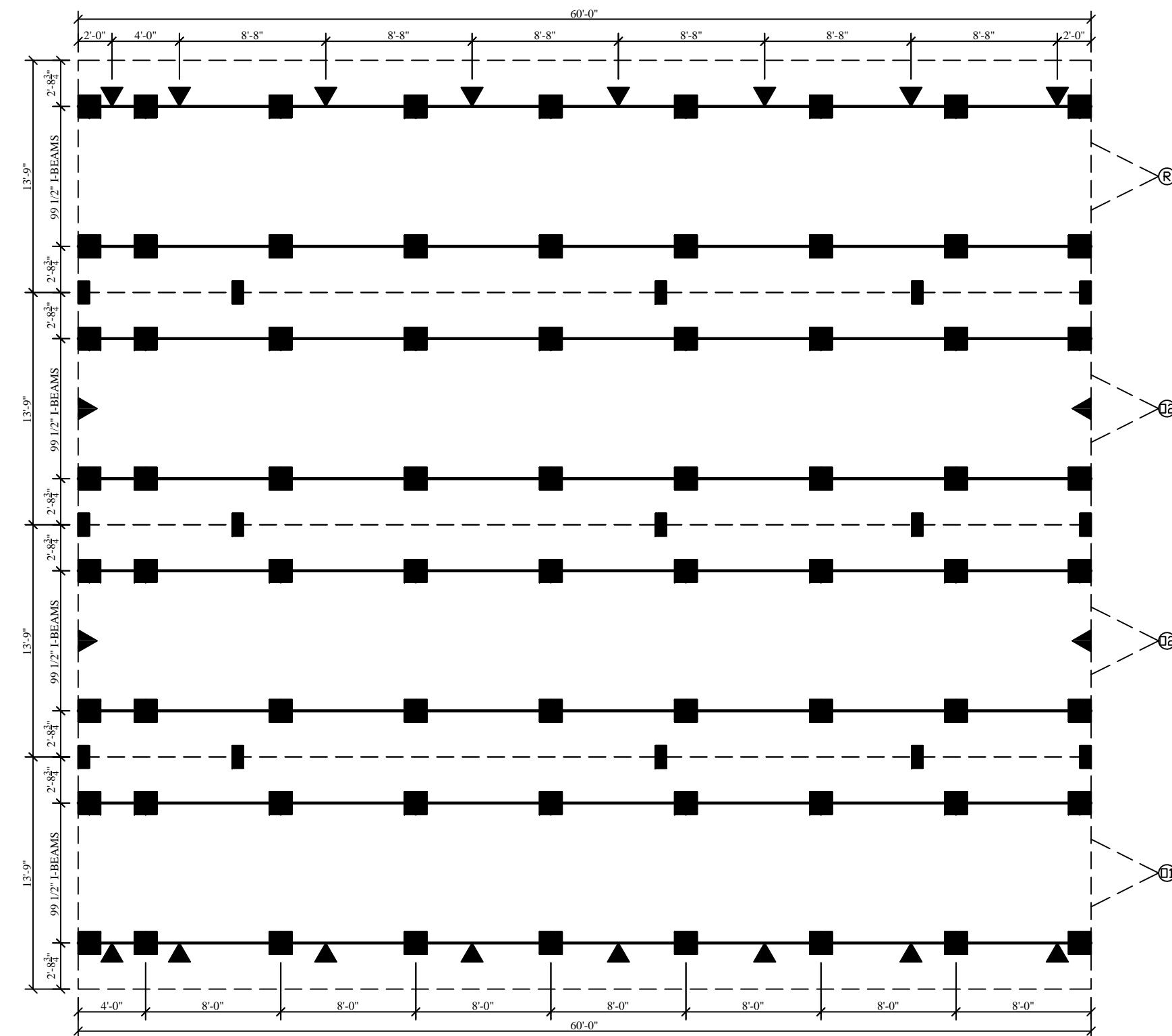


**SUGGESTED ANCHORING METHOD**

1" = 1'-0"

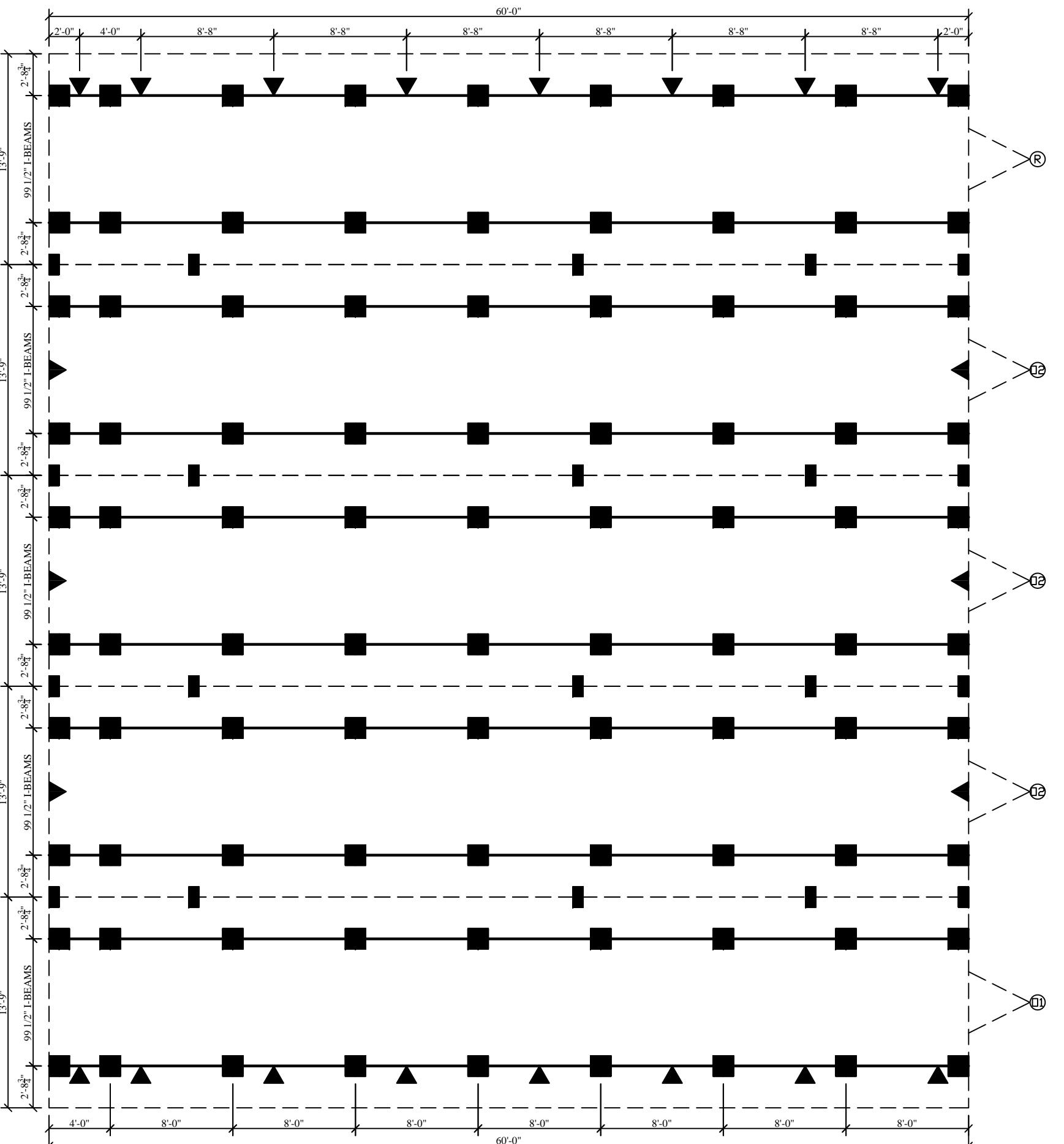
NOTE: ALTERNATE ANCHORING METHOD MAY BE DESIGNED BY LOCAL PROFESSIONAL BASED ON SITE CONDITIONS AND LOCAL/STATE REQUIREMENTS.

- — INDICATES SUGGESTED MAXIMUM I-BEAM BLOCKING SPACING - PIERS AND FOOTINGS DESIGNED BY LOCAL PROFESSIONAL IN ACCORD. WITH ALL LOCAL AND STATE REQUIREMENTS BASED ON SITE CONDITIONS
- — INDICATES REQUIRED MATE LINE BLOCKING LOCATION - PIERS AND FOOTINGS DESIGNED BY LOCAL PROFESSIONAL IN ACCORD. WITH ALL LOCAL AND STATE REQUIREMENTS BASED ON SITE CONDITIONS
- ▲ — INDICATES ADDITIONAL REQUIRED FRAME-TIE GROUND ANCHOR (MIN. 4725 LBS. HOLDING STRENGTH) LOCATION FOR WIND LOADS GREATER THAN 90 MPH AND UP TO 130 MPH V3s (EXP B). - NOTE: ALTERNATE ANCHORING DESIGN MAY BE MADE BY REGISTERED PROFESSIONAL ENGINEER.



**4-UNIT SUGGESTED BLOCKING PLAN**

1/8" = 1'-0"



**5-UNIT SUGGESTED BLOCKING PLAN**

1/8" = 1'-0"

**INDICOM BUILDINGS, INC.**  
INDUSTRIALIZED COMMERCIAL BUILDINGS  
721 N. BURLESON BLVD - BURLESON, TX 76028  
FAX 817-447-2751

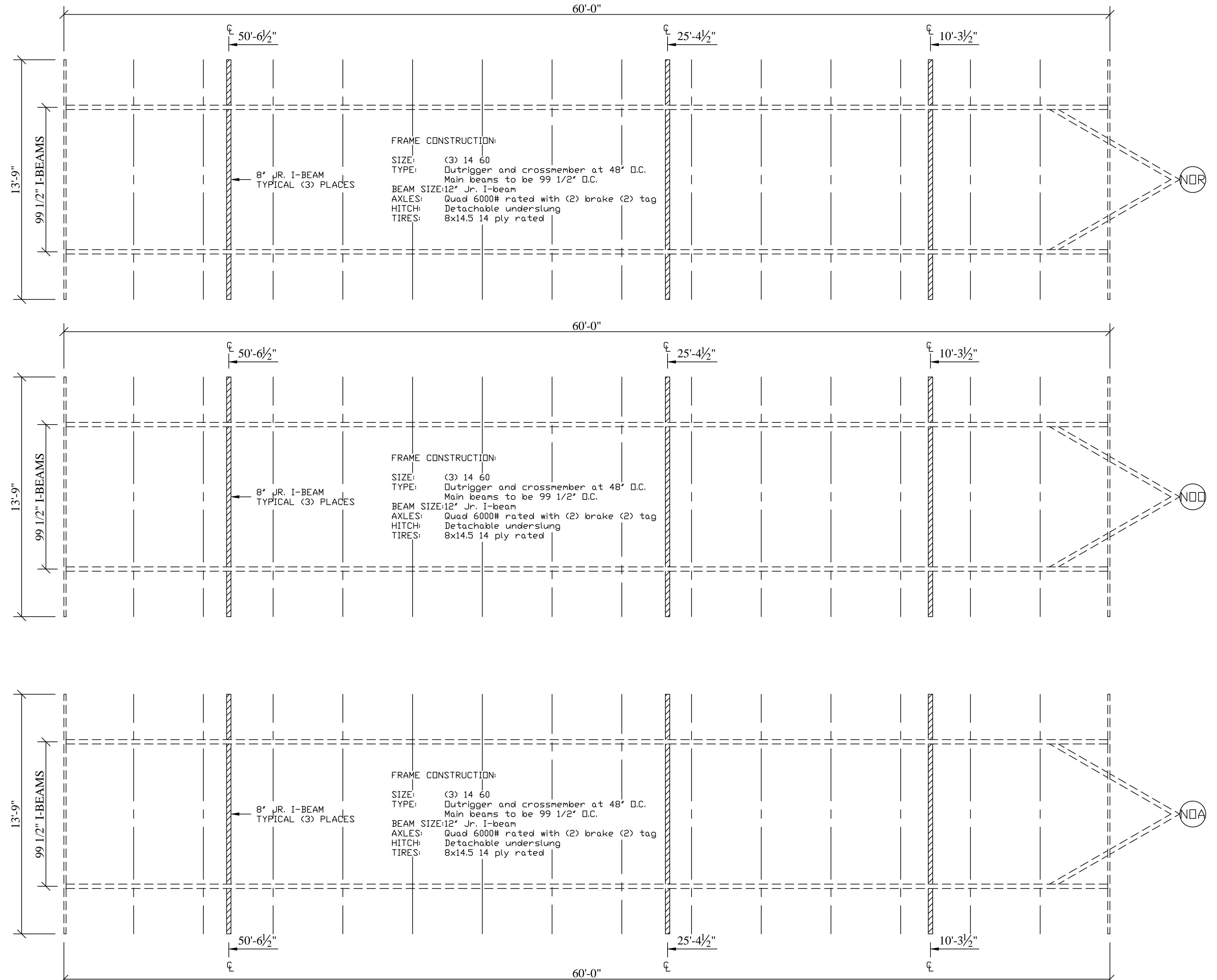
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DEALER: NORTEX MODULAR DFW
PROJECT: 14 X 64 (60) "V0" SERIES
PROJECT NUMBER: PROJECT - NTX - VO

SCALE: AS NOTED
PLOT DATE: 11/11/2008
SALESMAN: RP
DRAWN BY: MJM
STATES: TX
SERIAL NUMBERS: XXX
REVISIONS:

SHEET:

15 OF 1



**FRAME LAY OUT**

1/4" = 1'-0"

**INDICOM BUILDINGS, INC.**  
 INDUSTRIALIZED COMMERCIAL BUILDINGS  
 721 N BURLESON BLVD - BURLESON, TX 76028  
 817-447-1213 FAX 817-447-2751

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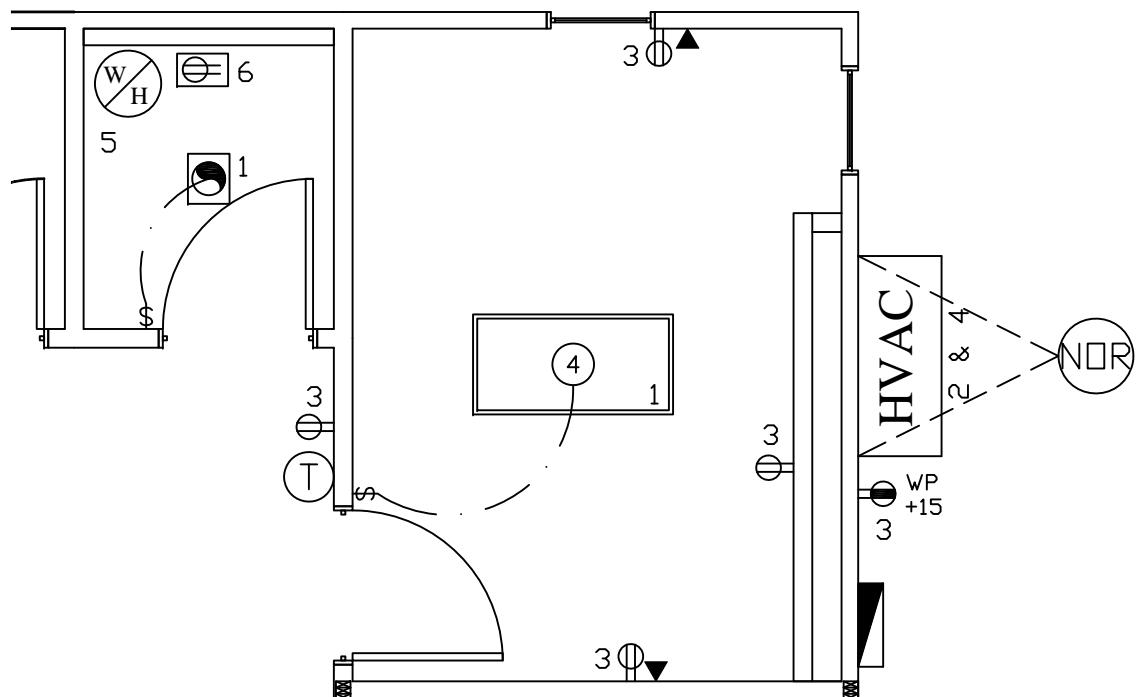
DEALER: NORTEX MODULAR DFW	SCALE: AS NOTED
PROJECT: 14 X 64 (60) "VQ" SERIES	PLOT DATE: 11/11/2008
NORPLEX	SALESMAN: RP
PROJECT NUMBER: PROJECT - NTX - VQ	DRAWN BY: MJM
	STATES: TX
	SERIAL NUMBERS: XXX
	REVISIONS:

SHEET:  
 1 OF 1

CLARIFICATION  
PROJECT: 08-NORPLEX-VO-SERIES

1. CHANGE THE HEAT TAPE RECEPTACLE FROM CIRCUIT #3  
TO CIRCUIT #6.

PER 210.8(B) EXCEPTION No.1 TO (3) AND (4):  
RECEPTACLES THAT ARE NOT READILY ACCESSIBLE AND  
ARE SUPPLIED FROM DEDICATED BRANCH CIRCUIT FOR  
ELECTRIC SNOW-MELTING OR DEICING EQUIPMENT SHALL  
BE PERMITTED TO BE INSTALLED WITHOUT GFCI  
PROTECTION.



**ELECTRICAL PLAN**

1/4" = 1'-0"

DEALER: NORTEX MODULAR	DATE: 11/11/08	PROPERTY OF: INDICOM BUILDINGS, INC.
PROJECT: NORPLEX "VO" SERIES	SALESMAN: RP	721 N. BURLESON BLVD - BURLESON, TX 76028 (817)447-1213 FAX (817)447-2751 DO NOT COPY
PROJECT #: 08-NORPLEX-VO-SERIES	DRAWN BY: MJM	