

HAMMOND DESIGN GROUP

ARCHITECTURE AA 0003346 LANDSCAPE ARCHITECTIRE LA 0001313

> 317 E. PARK AVENUE TALLAHASSEE, FLORIDA 32301 850-222-2012 PHONE

850-222-0296 FAX

CONSULTANTS

CONSTRUCTION DOCUMENT

REVISIONS

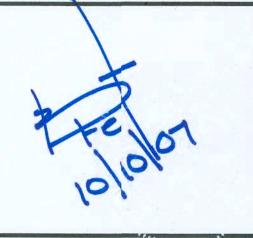
1 10/09/2001 MODIFIED PER DEPT. OF STATE

DATE © Ø8/24/Ø↑

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JOB NO. ■ 27Ø3



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### CEILING FIXTURE LEGEND

LIGHT PENDANT



CEILING FAN

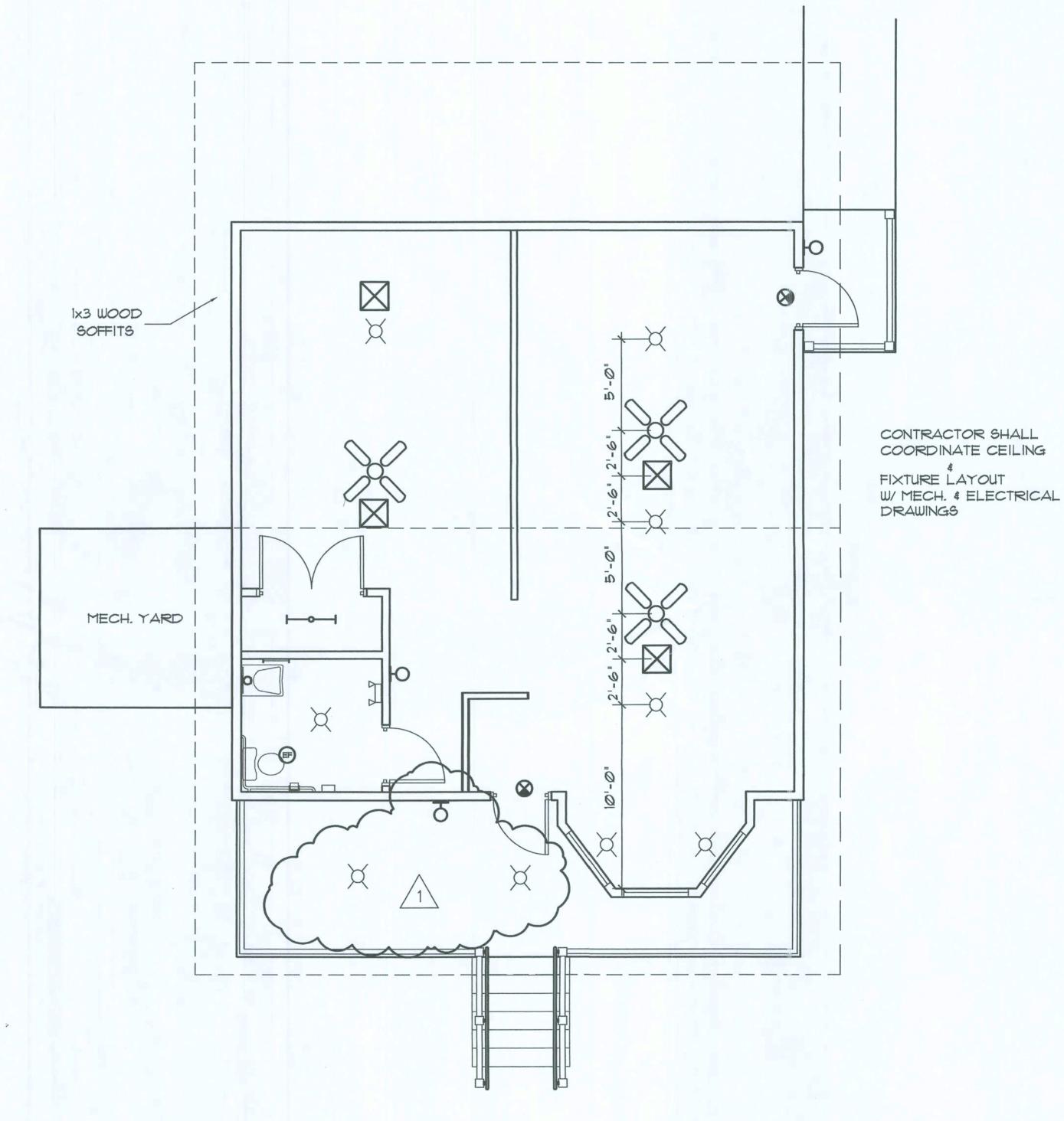
EMERGENCY LIGHT

WALL SCONCE

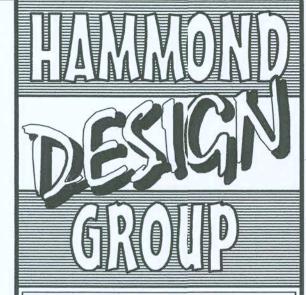
FLOURESCENT STRIP

EMERGENCY EXIT

SUPPLY DIFFUSER



1 REFLECTED CEILING PLAN
A2.1 1/4\*-1



LANDSCAPE ARCHITECTURE LA 0001313

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AA 0003346

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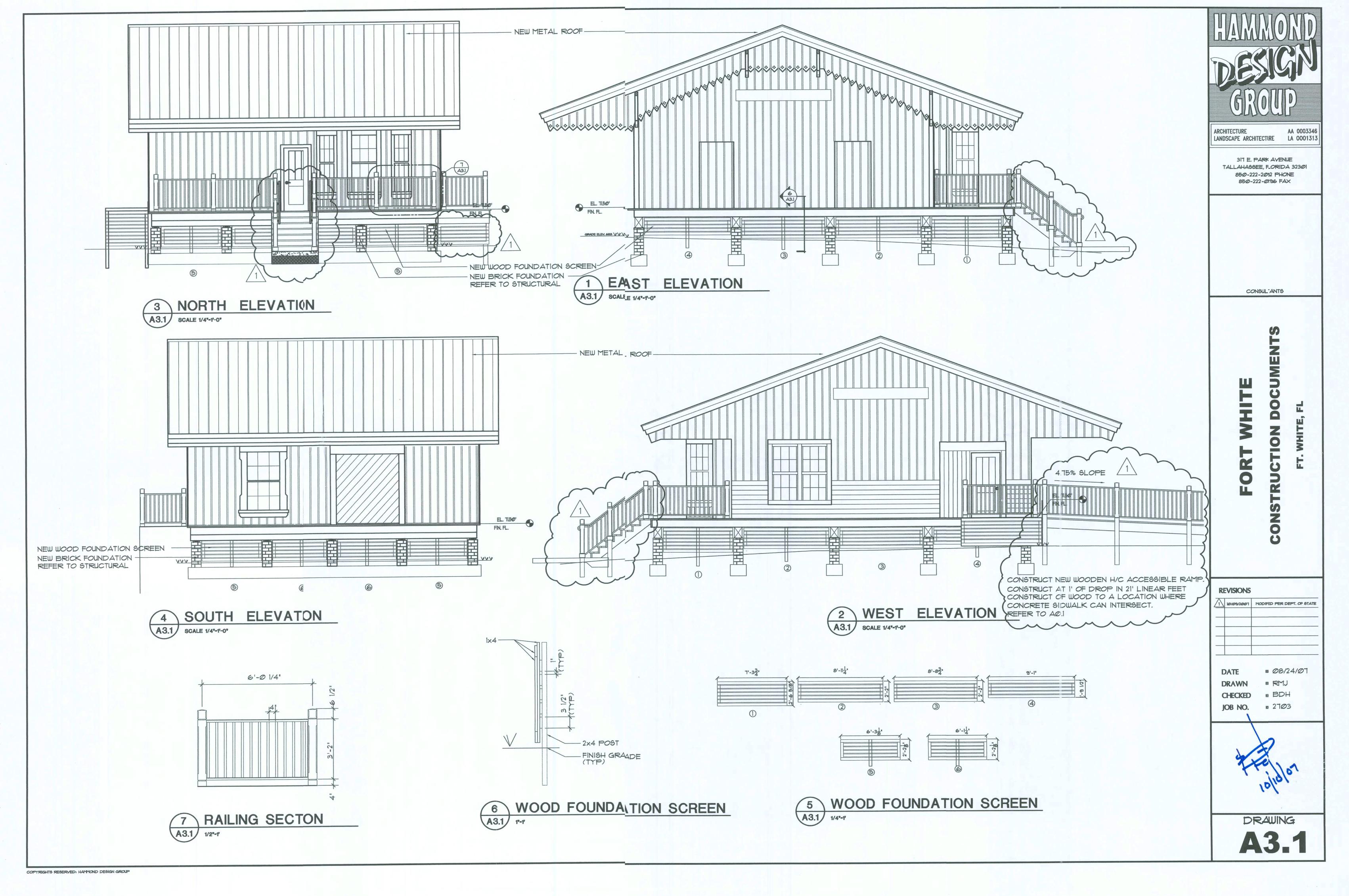
**REVISIONS** 1 10/09/2001 MODIFIED FIR DEPT. OF STATE

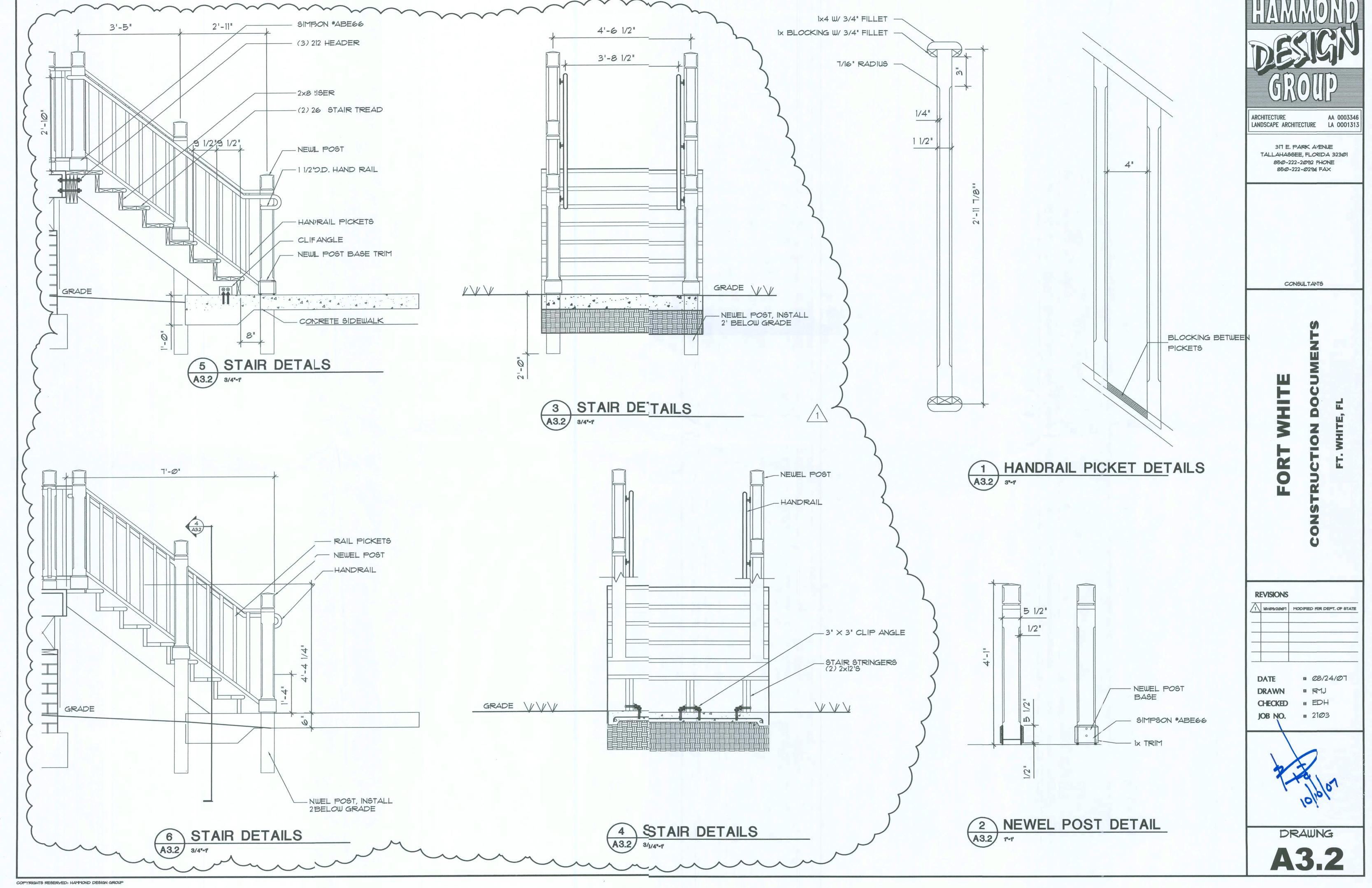
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JOB NO. ■ 21Ø3



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\\Server\company data\Job Files\2703 Ft. WHite Depot\100% Const. Docs\A3.1R & A3.2R.dwg, A5 Bret D. Hammond, \\SERVER\HP DesignJet 1050C, Arch D - 24 x 36 in. (landscape), 1:1

	LIGHTIN	G FIXTU	RE SCHED	ULE
TYPE	DECRIPTION	MANUFACTURER	CATALOG NO.	LAMPS
A	DEORATIVE PENDANT	TREND LIGHTING	1840-BRONZE	(1) 250W A21
В	WAL SCONCE	TREND LIGHTING	1842-BRONZE	(1) 60W A19
С	BAHROOM SCONCE	TREND LIGHTING	WB4264-2-POLISHED BRASS	(2) 60W B10
D	FLORESCENT STRIP	DAYBRITE	HDS232-120-GEB	(2) F32T8
E1	EX SIGN W/ EMER HEADS	MCPHILBEN	CCAXL3RW	LED, INCLUDED
E2	EMRGENCY WALL-PACK	MCPHILBEN	CAX6	INCLUDED
F1	CEING FAN W/ LIGHT	CASABLANCA FAN	PANAMA XTR200/B527-11/KG1X	(1) 60W A19
F2	CEING FAN W/O LIGHT	CASABLANCA FAN	FOUR SEASONS 84U72D	-NONE-
F3	EXERIOR CEILING FAN	CASABLANCA FAN	PANAMA XTR200/B527-11/KG2L	(2) 60W A15
G	REESSED CAN	CAPRI	CRR1-RB40W	(1) 60W A19
Н	EXERIOR SCONCE	TREND LIGHTING	A27INC-B2-OD	(1) 60W A19
J	EXERIOR SCONCE	HINKLEY LIGHTING	1160AS	(1) 60W A19 (CCLEAR)
K	EXERIOR CEILING	HINKLEY LIGHTING	1163AS	(2) 60W A19 (C <sub>CLEAR</sub> )

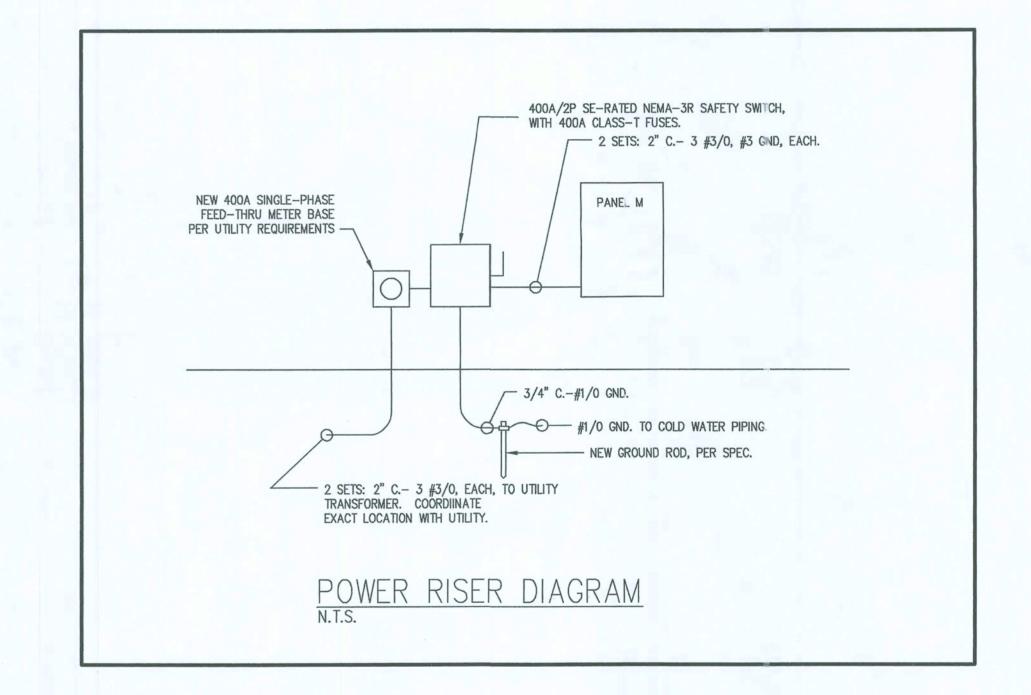
2. PROVIDE EICTRONIC BALLASTS FOR ALL FLUORESCENT FIXTURES

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3. NO SUBSTITIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT.

	PANEL:	M										
	MAIN:	400A M.L.O.										
	SERVICE:	120/240V, 1ø, 3	3W									
	LOCATION:	SEE PLAN										
	RATING:	10,000 AIC										
	TYPE:	NEMA 1, SURFA	CE	ſ	LOAD	(KVA)	LOAD	(KVA)	]			
CKT	DESCRIPTIO		BKR	TP	A	В	A	В			DESCRIPTION	CK
1	AHU-1		50	2	4.6		0.72		30		REC-OFFICE	2
3	-		-	-		4.6		0.9	20	1	REC-UTILITY	4
5	HP-1		30	2	2.6		1.0		20	1	LTG-OFFICE/RES STROOM	6
7	_		-	-		2.6		1.1	20	11	LIG-WAITING/EXIXTERIOR	8
9.	INSTANT W	ATER HEATER	30	2	1.8		0.9		20	11	REC-LOBBY	10
11	_		_	1-1		1.8		0.72	20	1	REC-OFFICE	12
13	SPARE		20	1	_		0.72		20	1	REC-LOBBY	14
15	SPARE		20	11		-		-	-	1-	SPACE	16
17	SPARE		20	11			- 1		-	-	SPACE	18
19	SPARE		20	11		-		-	_	-	SPACE	20
21	SPACE		-	-	-		-		-	1-	SPACE	22
23	SPACE		-	1-1		-		-	-	1-	SPACE	24
25	SPACE		-	1-1				1-	-	1-	SPACE	26
27	SPACE		-	1-1	_		-		-	-	SPACE	28
29	SPACE		-	1-1		-		-	-	1-	SPACE	30
	1122		-		9.0	9.0	3.34	2.72				1 50

### LEGEND 20A/1P SWITCH. MOUNT 48" A.F.F. UNO. WHITE FINISH/COVERPLATE. DECORATIVE PENDANT FIXTURE; VERIFY MOUNTING HEIGHT 120V/20A DUPLEX RECEPTACLE WITH INTEGRAL GFI. PROTECTION. IF NO MOUNTING HEIGHT INDICATED, MOUNT 18" A.F.F. WITH ARCHITECT. WHITE FINISH/COVERPLATE. RECESSED CEILING CAN FIXTURE. 120V/20A DUPLEX RECEPTACLE WITH INTEGRAL GFI PROTECTION. CLOSE CEILING FIXTURE. MOUNT 18" AFF. PROVIDE WEATHERPROOF COVER. COMMUNICATIONS OUTLET. PROVIDE SINGLE-GANG BOX, WITH 3/4" ENT TO EQUIPMENT CLOSET, PROVIDE COVERPLATE WITH (2) CAT-5 RJ-45 JACKS, WITH (2) CAT-5 8-COND CABLES 52" CEILING FAN. PROVIDE DOWNROD; VERIFY MOUNTING HEIGHT HOMERUN TO EQUIPMENT CLOSET, AND WITH ARCHITECT. TERMINATED ON CAT-5 RJ-45 PATCH PANEL. CONDUCTORS IN CONDUIT OR CABLE, CONCEALED IN WALLS, WALL SCONCE. VERIFY MOUNTING HEIGHT WITH ARCHITECT. FLOOR, OR CEILING. MINIMUM CONDUCTOR SIZE #12AWG, CU. PROVIDE INSULATED GREEN EQUIPMENT GROUNDING CONDUCTOR, SIZED PER NEC, IN ALL RACEWAYS. 4FT WALL-MOUNTED INDUSTRIAL STRIP FIXTURE. RACEWAY ABOVE GRADE TO BE METALLIC, 3/4" MINIMUM. MC CABLE ALLOWED WHERE PERMITTED BY CODE. INTERNALLY ILLUMINATED LED EXIT SIGN (TYPE "E1") WITH CONDUCTORS IN CONDUIT OR CABLE, CONCEALED IN WALLS, INTEGRAL BATTERY & INVERTER, AND EMERGENCY LIGHTING FLOOR, OR CEILING; HOMERUN TO PANEL. HEADS. PROVIDE UNSWITCHED HOT CONDUCTOR. EMERGENCY EXIT LIGHT (TYPE "E2") WITH INTEGRAL BATTERY & INVERTER. PROVIDE UNSWITCHED HOT CONDUCTOR. ELECTRICAL PANEL, 240V. SEE RISER AND SCHEDULE. CONNECTION TO EXHAUST FAIN. COORDINATE EXACT LOCATION & REQUIREMENTS WITH MECHANICAL. ENCLOSED SAFETY SWITCH. SEE PLANS. INSTANTANEOUS WATER HEATER. PROVIDE 2 #10, #10 GND. TO PANEL. COORDINATE CONNECTION WITH MECHANICAL. STAND-ALONE TYPE DUCT SMOKE DETECTOR, TO SHUTDOWN ASSOCIATED AHU. CONNECT TO UNSWITCHED LIGHTING CIRCUIT M-6. COORDINATE INSTALLATION WITH MECHANICAL.



# CODES AND STANDARDS

NFPA 70 NATIONAL ELECTRICAL CODE (NEC), 2005 ED.

NFPA 101 LIFE SAFETY CODE, 2003 ED.

FLORIDA BUILDING CODE, 2004 ED, 2005/2006 SUPPLEMENTS.



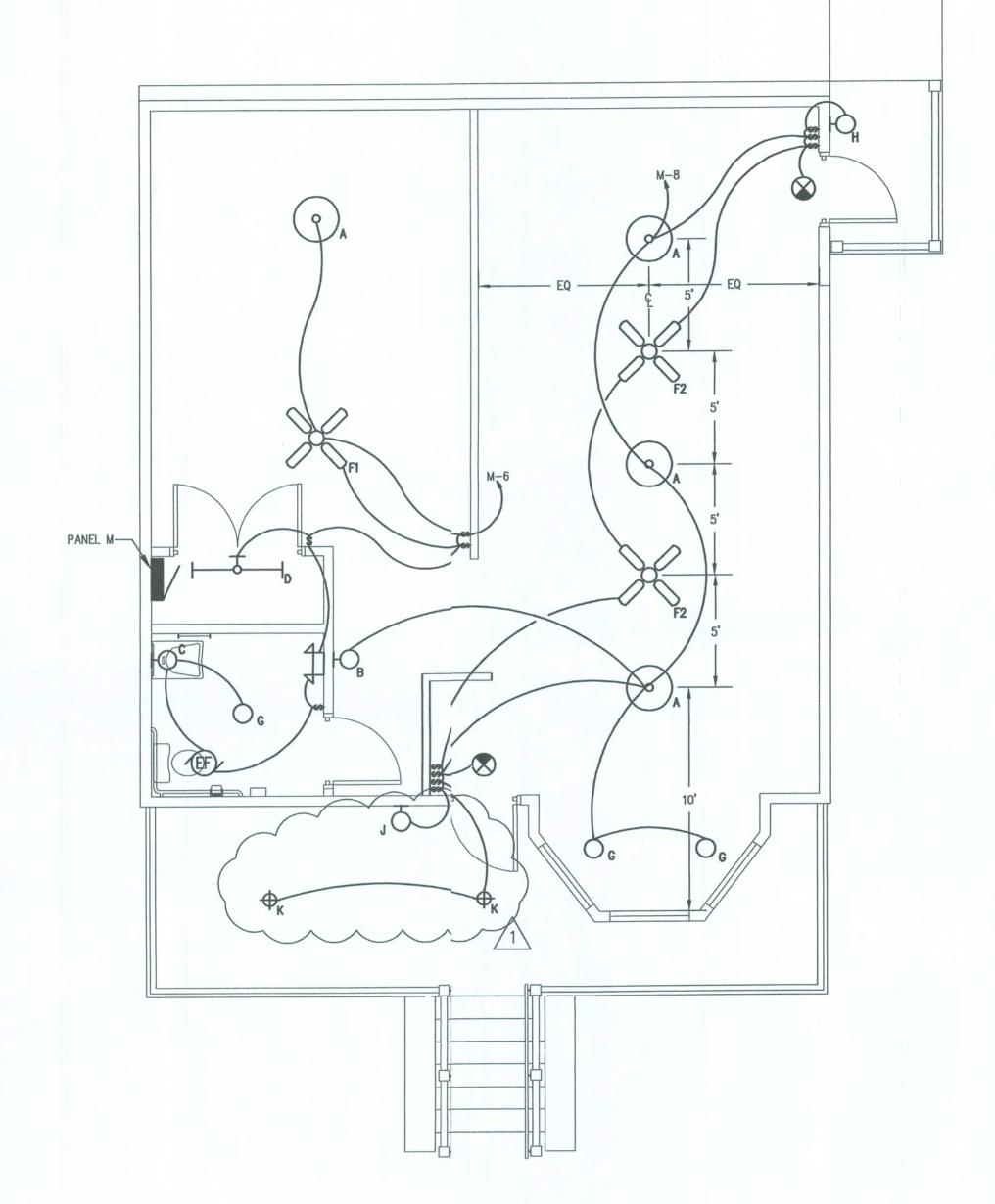
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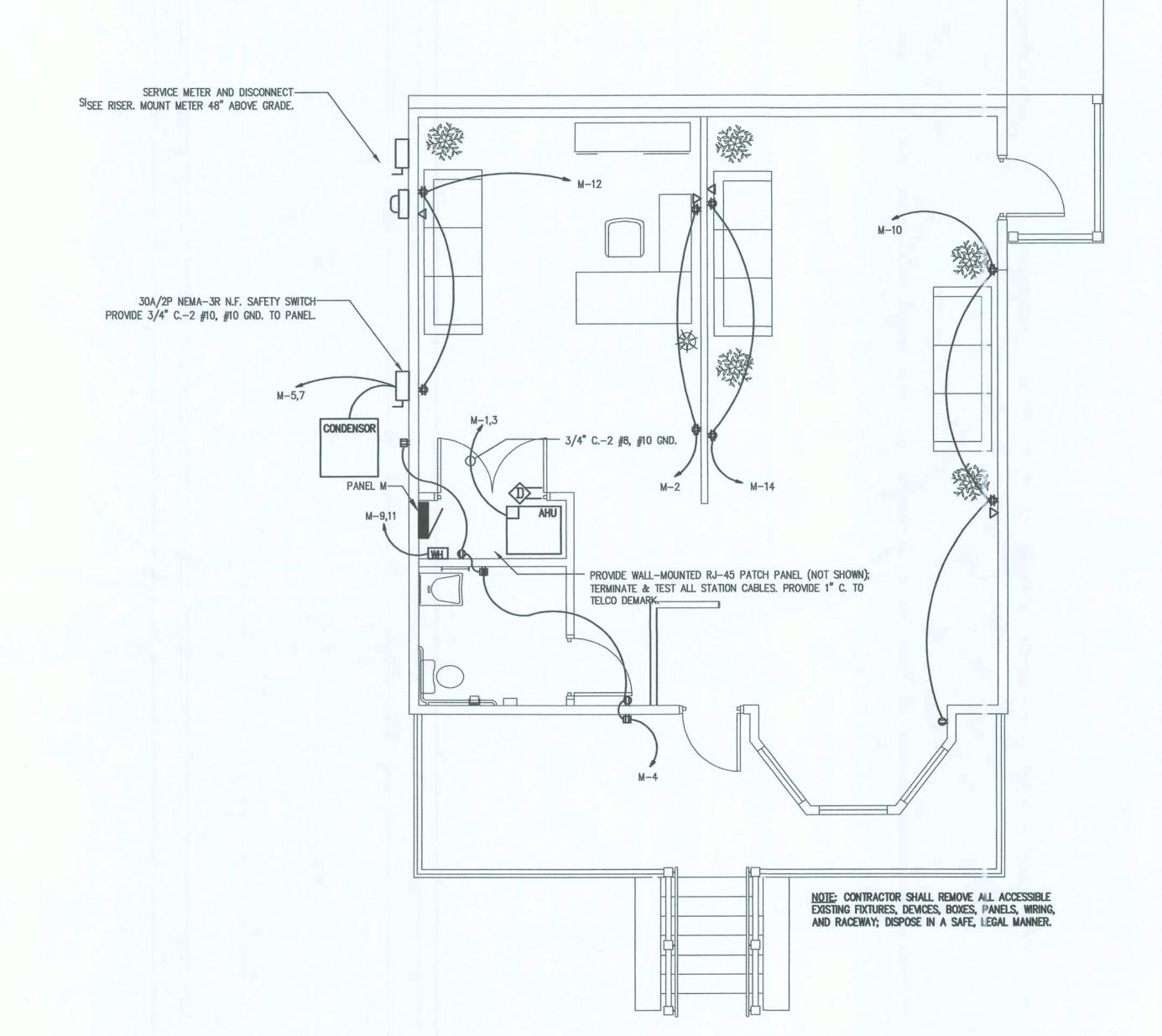
Janus Manil
10/11/07

APPLIED RESEARCH AND DESIGN, INC.
3998 BRADFORDVILLE ROAD, STE. B
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FL EB#8948
JAMES M. LAMB, PE#52688

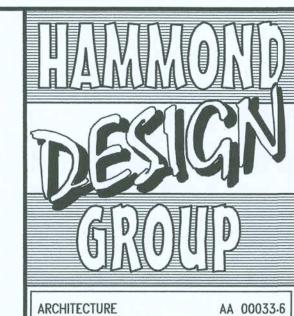


LIGHTING PLAN

SCALE: 1" = 1' - 0"







LANDSCAPE ARCHITECTURE LA 000133

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# DOCUMENTS

FOR

CONSTRUCT

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■ 10/3/07 DATE DRAWN CAS

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APPLIED RESEARCH AND DESIGN, INC. 3998 BRADFORDVILLE ROAD, STE. B TALLAHASSEE, FL, 32309 (850) 668-6324 – FAX (850) 668-6358 FL EB#8948

JAMES M. LAMB, PE#52688

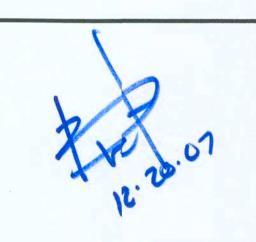
# CONSTRUCTION DOCUMENTS

FORT WHITE

FLORIDA

CONSULTANTS

**REVISIONS** 



DRAWING

CONSTRUCTION DOCUMENTS BID SET # 5

### HANDICAP STANDARDS

HANDICAP STANDARDS AND REQUIREMENTS

THE FOLLOWING DIMENSIONS AND STANDARDS ARE TO BE ADHERED TO AND ARE A PART F THESE DRAWINGS. THESE REQUIREMENTS SUPERSEDE ANY INCONSISTENCY THAT MAY EXIST.

1:12 MAX

WALKWAYS:

MIN. WIDTH ABRUPT CHANGES 1/2"

RAMPS:

SLOPE RESTRAINTS

HANDRAILS IF RAMP IS OVER 6 LINEAL FT. 34" HANDRAIL HT. EXTEND HANDRAIL 18" AT TOP & BOTTOM

NON-SLIP SURFACE

LANDINGS

72" X 44" MIN. LEVEL LANDING AT BOTTOM

60" X 60" MIN. LEVEL INTERMEDIATE LANDINGS EVERY 30 LINEAL FEET.

36" X 60" MIN. LEVEL LANDING IF DOOR SWINGS IN. 60" X 60" LEVEL LANDING IF DOOR SWINGS OUT WITH 18" CLEARANCE LATCH SIDE OF DOOR.

WHEELCHAIRS:

ACCESSIBILITY

PRIMARY ENTRANCE AND ELEVATORS ARE TO BE ACCESSIBLE.

DOORS AND DOORWAYS

CLEARANCE, SWING DIRECTION

MINIMUM CLEARANCE

LANES, TURNSTILES, GATES, ETC.

MAXIMUM FLOOR LEVEL CHANGE ADJUSTED FOR USE BY HANDICAP

POWER AND SPEED

STAIRS AND STEPS AT REQUIRED EXITS:

TREADS RISER

CANNOT PROTRUDE OVER RISERS (11") T" MAXIMUM

HANDRAIL HEIGHT HANDRAIL EXTENSION

12" AT TOP, 12"+1 TREAD WIDTH AT

BOTTOM

FLOORS:

SURFACE

NON-SLIP

RESTROOMS

HANDICAP STALL

GENDER SIGNS VESTIBULE

48" X 60" MIN. HALL WIDTH TO RESTROOM 44" MIN.

CLEARANCE TO APPROACH FIXTURES 60" DIAMETER FOR 180 DEGREE TURN 29" MIN. CLEARANCE UNDER APRON LAVATORY

34" TO TOP OF BASIN MIRROR AND SHELF 40" MAX HEIGHT TO BOTTOM

68" WIDTH MIN.

68" LENGTH MIN.

MEN AND WOMEN

32" MIN. DOOR WIDTH DOOR TO SWING OUT & BE SELF CLOSING

1-1/2" DIAMETER GRAB BAR (SIDE & BACK)

33" HT. TO TOP OF GRAB BAR 1-1/2" CLEARANCE TO WALL

36" LG. BACK GRAB BAR

42" LG. SIDE GRAB BAR PROVIDE CENTER SUPPORT IF BAR IS

GREATER THAN 32" LONG 19" TO TOP OF WATER CLOSET SEAT

17" TO TOP RIM RACKS DISPENSERS AND DISPOSALS 40" MAX. HEIGHT

WATER FOUNTAINS:

ACCESSIBLE FROM FRONT SPOUTS AND CONTROLS

OPERATION

HAND OR HAND AND FOOT 36" MAX. MOUNTING

ELEVATORS:

ACCESSIBILITY ACCESS TO ALL LEVELS

CONTROLS:

ACCESSIBILITY

SWITCHES AND CONTROLS FOR HEAT, VENTILATION, DRAPERIES, FIRE ALARMS, ETC., ARE TO BE WITHIN REACH

WARNING SIGNALS:

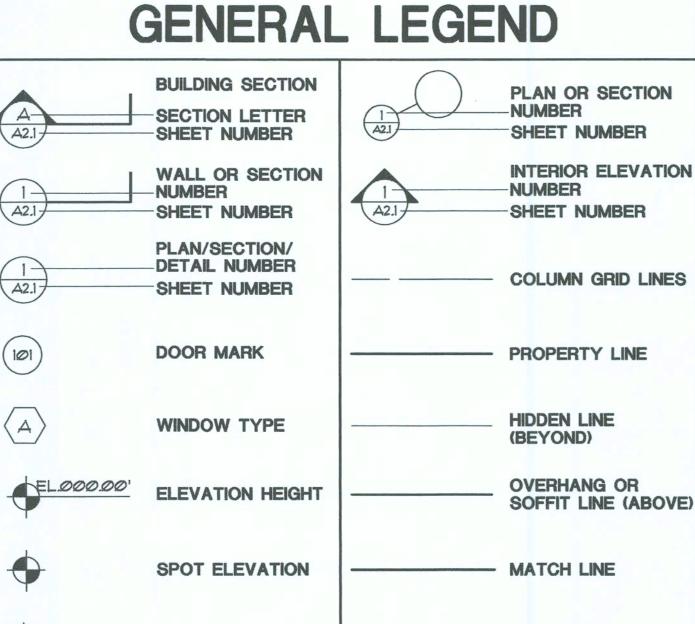
PROVIDE AUDIBLE AND VISUAL IF EITHER IS REQUIRED

HAZARDS:

ACCESS PANELS AND MANHOLES IN FLOOR NOT ALLOWED HAZARDOUS AREAS BARRICADED NOT ALLOWED LOW HANGING DOOR CLOSERS NOT ALLOWED

RAMP LIGHTING EXIT SIGNS

AS PER ANSI A9.1 AS PER ANSI A9.1



**BREAK LINE** 

**WOOD-CONTINUOUS** 

NON-CONTINUOUS

**BATT INSULATION** 

RIGID INSULATION

**BLOCK** 

FINISH WOOD

NORTH

PARTITION TYPE

(SEE SCHEDULE)

CONCRETE

**BRICK** 

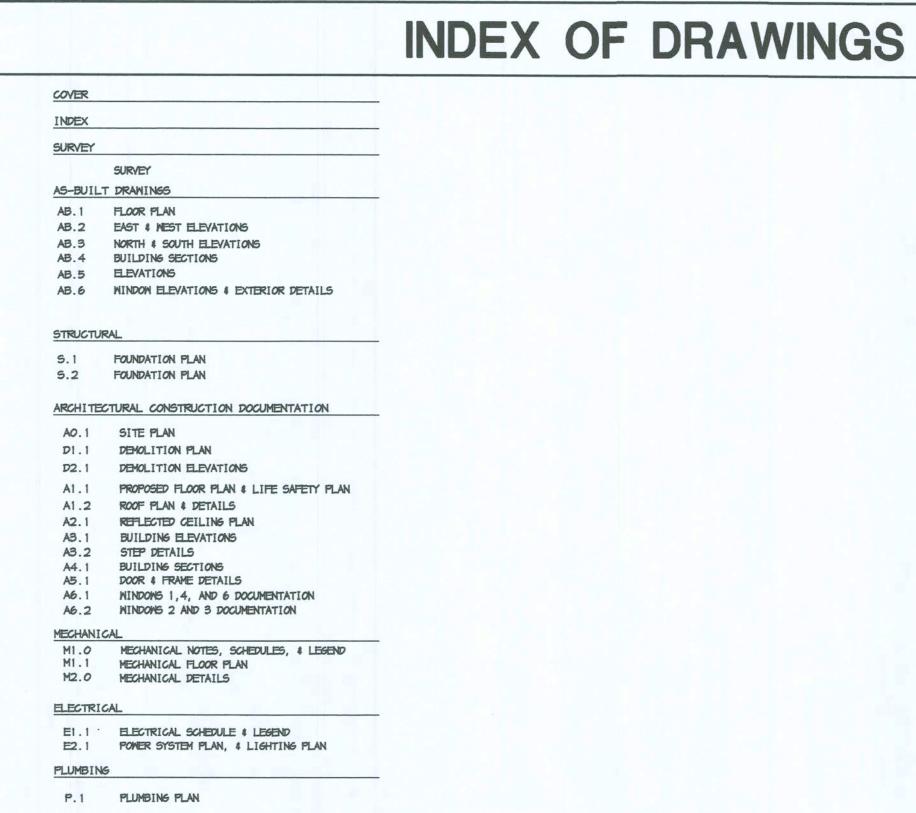
STUCCO

The same

MISC. METAL

EARTH/COMPACTED

MORTAR/PLASTER



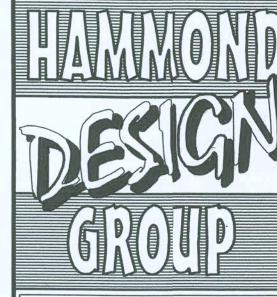
### **ABBREWIATIONS** AIR CONDITIONED DIMENSION 0.6. ON CENTER SPECIFICATIONS ACOUST. CEILING TILE HTG. HEATATING DISC. DISCONNECT O.D. OUTSIDE DIAMETER SQ. FT. SQUARE FEET A.F.F. HEATATING & VENTILATING ABOVE FINISH FLOOR DISTRIBUTION H. \$V. O.H. OVERHEAD A.H.U. AIR HANDLING UNIT HOWE D.J. DUMMY JOINT HARTROWARE OPNG. STOR. OPENING STORAGE ALT. ALTERNATE DN. DOWN HYD. OPPOSITE STRUC. STRUCTURAL ALUM. ALUMINUM DRAIN SUSP. SUSPENDED AMPERES D.S. DOWNSPOUT SWITCH APPROXIMATELY DRAWING (S) DWG. (S) I.D. INSIDE DIAMETER PARTITION INVEVERT ELEVATION ARCH. **ARCHITECTURAL** INV. EL PER. PERIMETER INCICHES PLATE TOILET INC/CANDESCENT EAST INCAND. PLBG. PLUMBING TELEPHONE EACH INSUL. INSISULATION BOARD PLYN'D PLYWOOD TEMP. TEMPERATURE EMPTY CONDUIT BLDG. BUILDING E.C. INTETERIOR PNL. PANEL THICKNESS BLK. EXHAUST FAN BLOCK PRESSURE THD. (THRESH) THRESHOLD EL.(ELEV.) ELEVATION POUNDS/SQUARE FOOT T.O.W.(B) TOP OF WALL (BEAM) EQUIPMENT JUNGICTION BOX BOTTOM EQUIP. PSI POUNDS/SQUARE INCH TOIL. TOILET ELECTRIC WATER COOLER E.W.C. JUNGCTION BofD. BASIS OF DESIGN PSTG. POUNDS/SQUARE INCH GAGE TYP. TYPICAL EXHAUST EXH. BEARING P.T. PRESSURE TREATED EXPANDABLE B.T.U.M. BRITISH THERMAL EXP. PTD. PAINTED EXP. JT. (GJ) EXPANSION JOINT UNIT/HOUR URINAL KIL4LOVOLT EXT. EXTERIOR KVA CONDUIT EXISTING EXIST. KW KILLOWATT VOLT QTR. QUARTER CAB. CABINET VINYL BASE QUAN. QUANTITY V.B. CAPACITY V.C.T. VINYL COMPOSITION TILE F.A. CIRCUIT BREAKER FIRE ALARM LAYNATORY VITROUS CLAY F.C. FLEXIBLE CONNECTION C.D. CEILING DIFFUSER RETURN AIR LB.(#) R.A. VENT. VENTILATION POUIUND CLG. F.D. FLOOR DRAIN CEILING L.P. RAD. RADIUS VERT. VERTICAL LIGIGHTING PANEL CER. CERAMIC F.E.C. FIRE EXTINGUISHER CABINET RETURN AIR GRILLE LTG. R.A.G. V.T.R. VENT THRU ROOF C.F.M. CUBIC FEET/MINUTE FIN. FINISH R.A.R. RETURN AIR REGISTER V.T. VINYL TILE CIRC. FLOOR CIRCULATING V.W.C. VINYL WALL COVERING ROUND CAST IRON FOOT-FEET ROUND DIFFUSER MOTITOR R.D. CKT. FTG. CIRCUIT FOOTING READY WATT MAINT. MAITINTENANCE CENTER LINE RECIRCULATING HTIM MAX. MAX:XIMUM C.M.U. CONCRETE MASONRY UNIT M.D.P. RECP. RECEPTACLE M.C. WATER CLOSET MAITIN DISTRIBUTION PANEL GAUGE C.O. CLEAN OUT REG. REGISTER W.C.O. WASTE CLEAN OUT COL. GALLON COLUMN REINFORCING REINF. MTL. WD. COMP. COMPRESSER GALVANIZED REQ. REQUIRED W.D. WINDOW DIMENSION MUNIMUM CONCRETE GOVERNMENT FURNISHED EQUIPMENT MISSCELLANEOUS RET. RETURN WIDE FLANGE COND. CONDENSATE GLASS RETURN GRILLE R.G. WATER GAGE MASISONRY OPENING CONN. CONNECTION GROUND GND. WEATHERPROOF M.T. METATAL THRESHOLD CONT. CONTINUOUS GALLONS PER MINUTE MTD. R.P.M. REVOLUTION/MINUTE WTR. WATER MOUIUNTED CONTROL JOINT GRILLE MOUIUNTING W.W.F. WELDED WIRE FABRIC MTG. CERAMIC TILE G.W.B.(GB) GYPSUM WALL BOARDS G.T. C.T.B. CERAMIC TILE BASE GYP. GYPSUM SUPPLY AIR S.A. CONDENSING UNIT S.A.T. SUSPENDED ACOUSTICAL TILE NORRTH C.P.T. NOT T APPLICABLE SCH. SCHEDULE H.B. HOSE BIBB SECT. SECTION NOT T IN CONTRACT DTL. DETAIL H.C. HOLLOW CORE SERV. SERVICE DIA., D. DIAMETER HEIGHT 5.6. SUPPLY GRILLE DIFF. H.M. HOLLOW METAL DIFFUSER SHT. SHEET HORSE POWER

# BUILDING INFORMATION

NEW CONSTRUCTION		HISTORIC ADAPTIVE	
OCCUPANCY CLASSIFIC	CATION ———	— В	
FIRE —		NOT-SPRI	NKLED
CONDITION AREA		1044 SQ.	FT.
AREA AS DEFINED BY	502 FL. BLDG. C	CODE - 1260 SQ.	FT.
BUILDING OWNER -		TOWN OF	RT WH

## APPLICABLE CODES

FLORIDA BUILDING CODE, EXISTING BUILDING (FBC-EB) 2004 EDITION WITH 2005 \$ 2006 SUPPLEMENTS	2004 EDITIO
FLORIDA BUILDING CODE, BUILDING (FBC-B) WITH 2005 & 2006 MODIFICATIONS	2004 EDITIO
FLORIDA BUILDING CODE, MECHANICAL (FBC-M) WITH 2005 & 2006 MODIFICATIONS	2004 EDITIO
FLORIDA BUILDING CODE, FUEL GAS (FBC-FG) WITH 2005 \$ 2006 MODIFICATIONS	2004 EDITIO
FLORIDA BUILDING CODE, PLUMBING (FBC-P) WITH 2005 \$ 2006 MODIFICATIONS	2004 EDITIO
FLORIDA FIRE PREVENTION CODE (FFPC)	2004 EDITIO
NATIONAL ELECTRICAL CODE.	2005 EDITIO

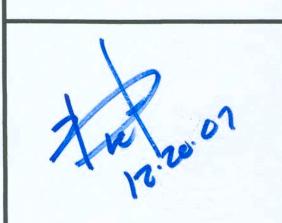


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31T E. PARK AVENUE TALLAHASSEE, FLORIDA 32301 850-222-209: PHONE 850-222-0216 FAX

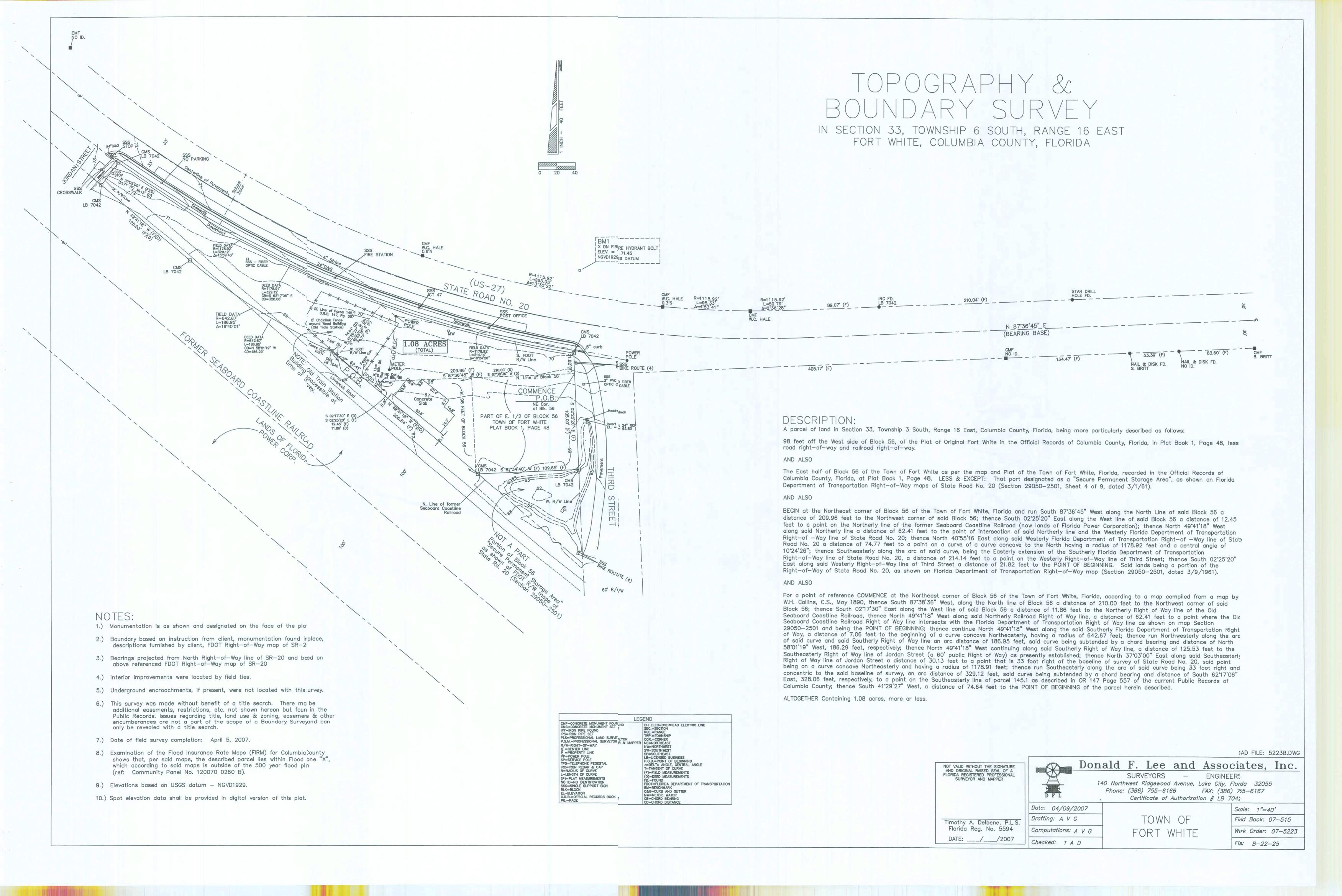
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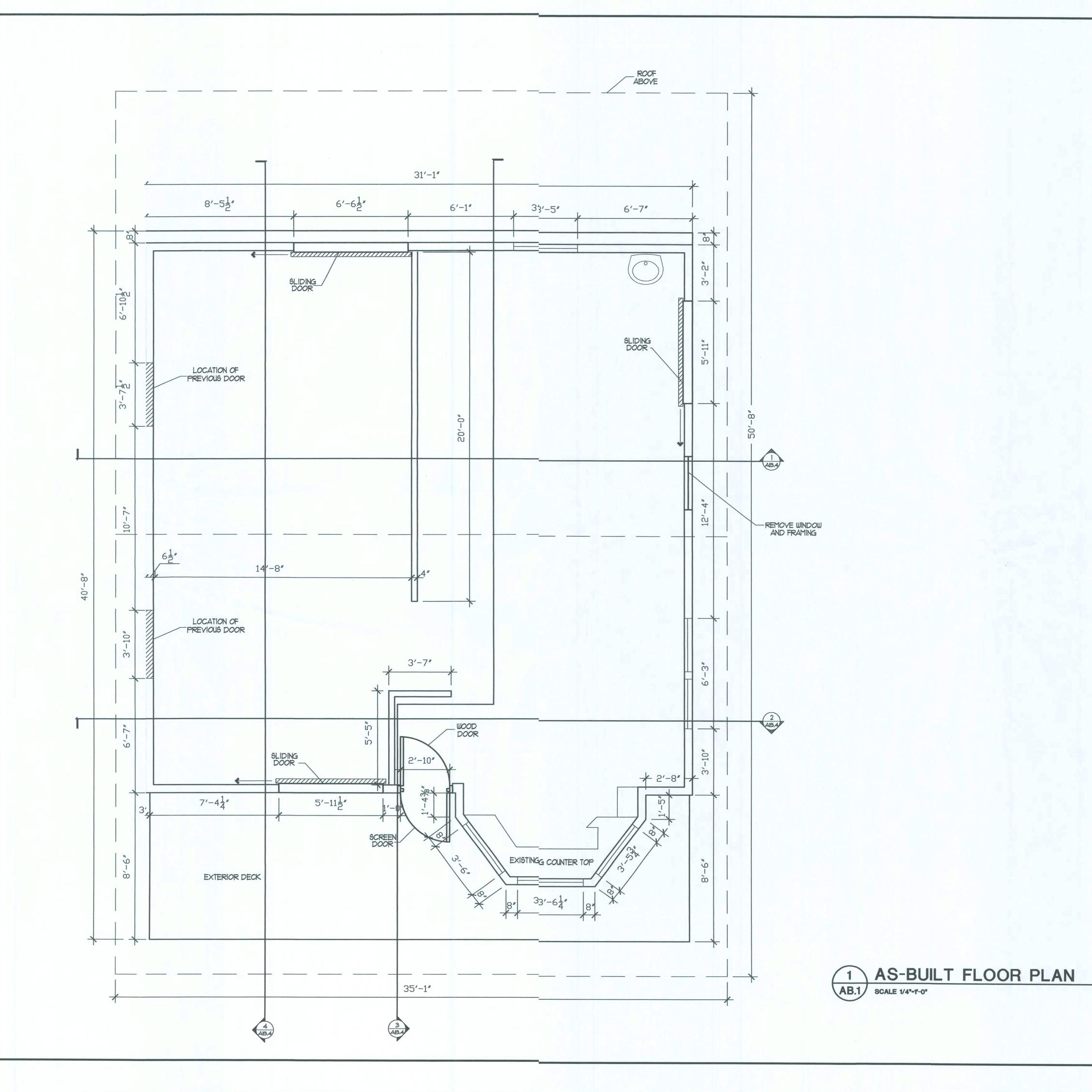
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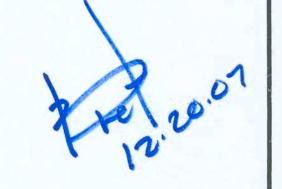
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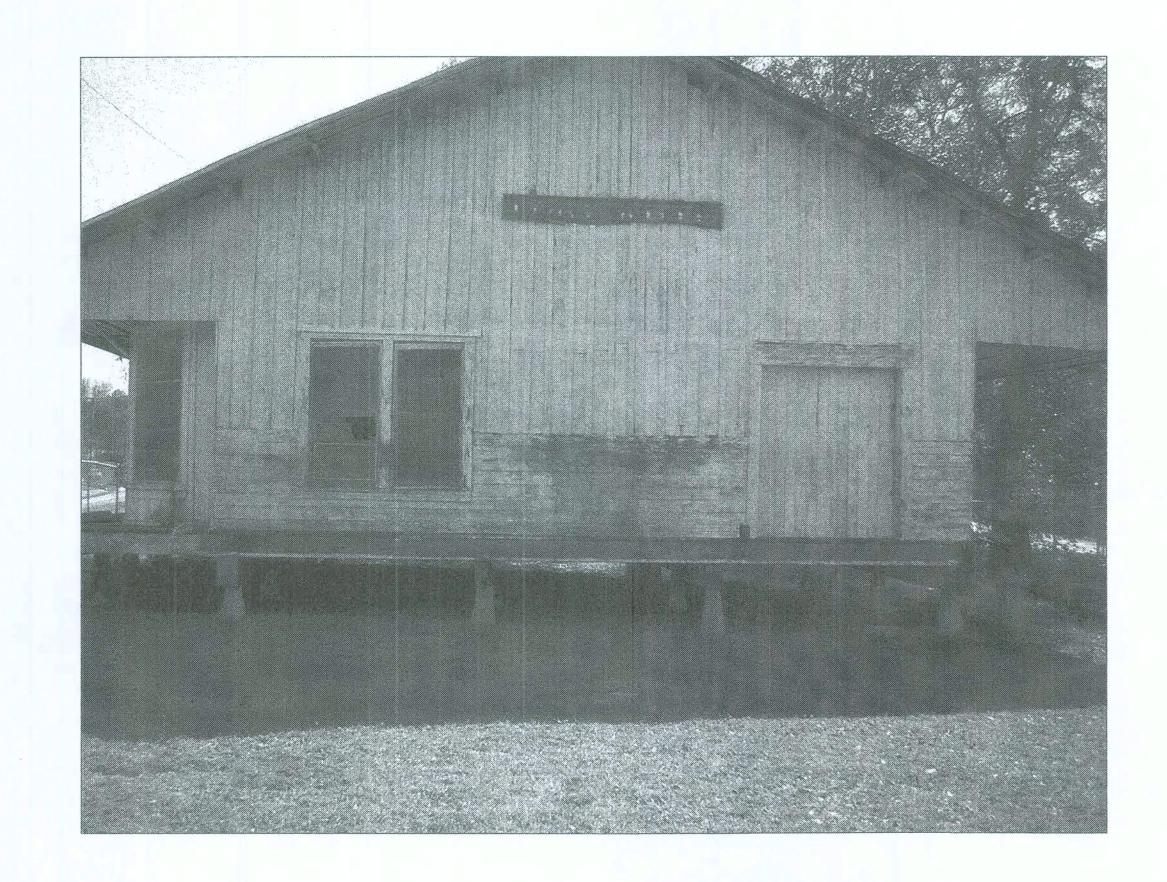
**REVISIONS** 

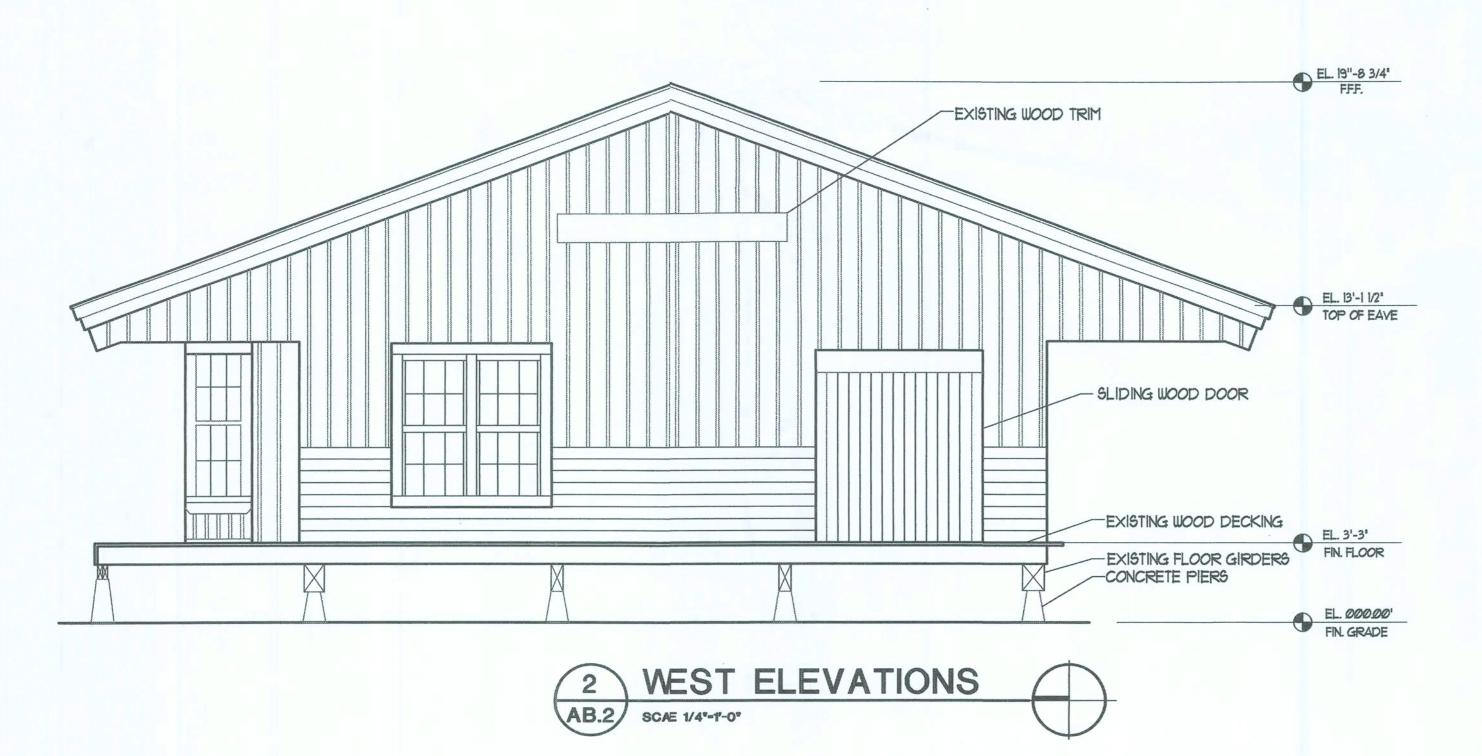
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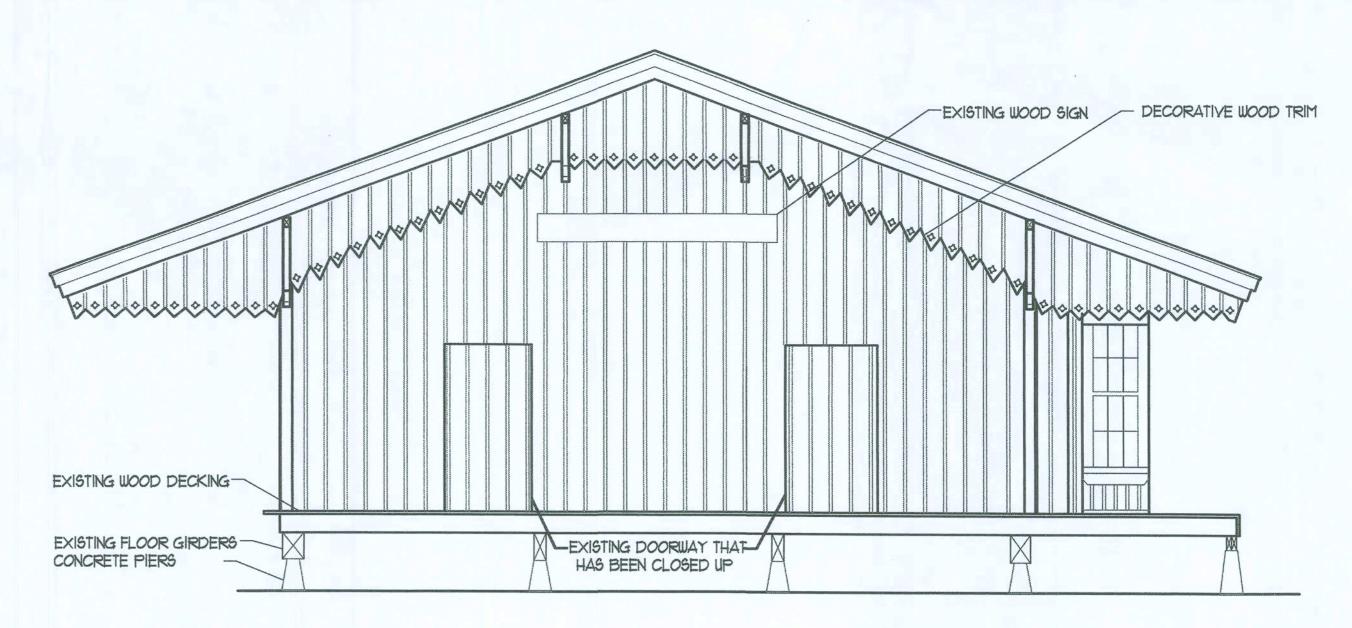






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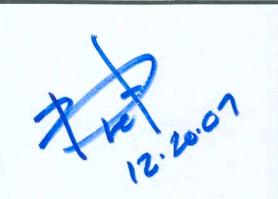
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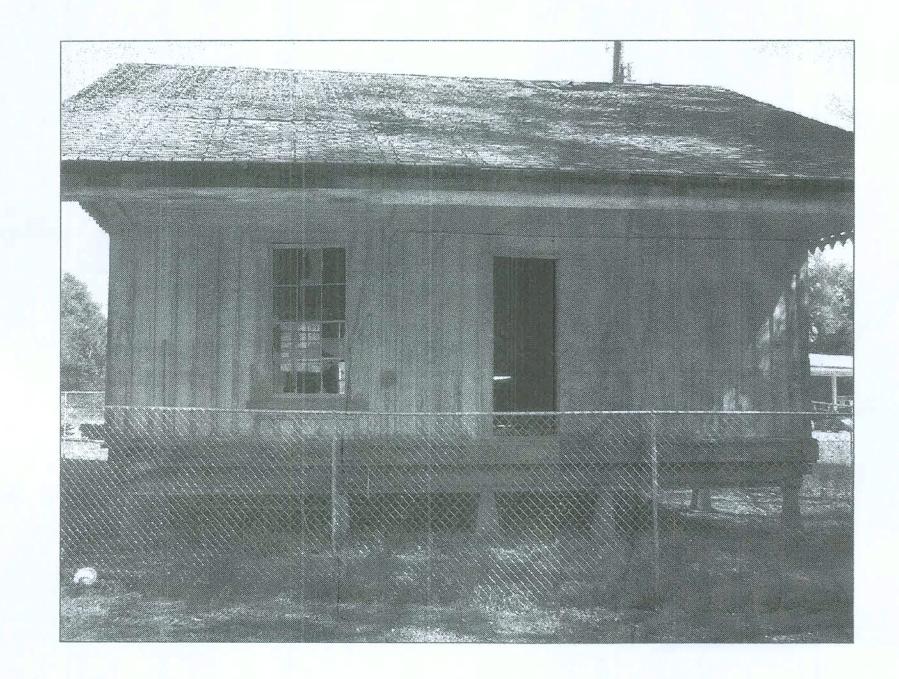
AS-BUILTS

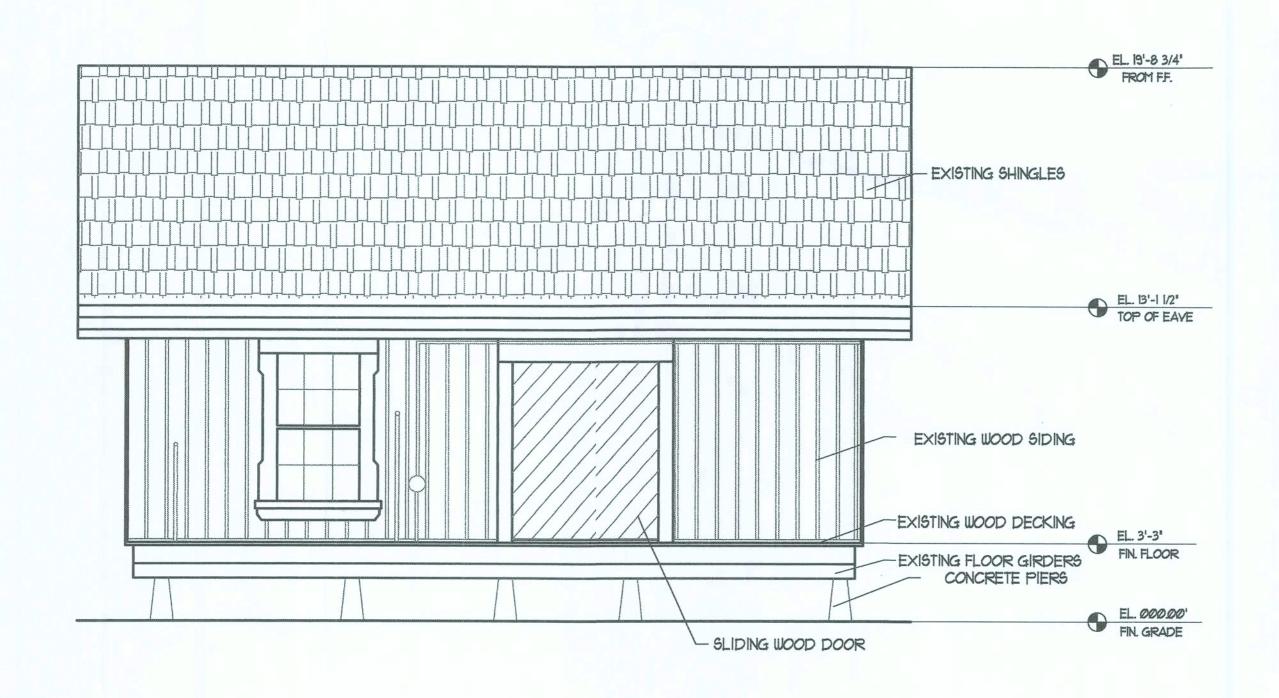
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DRAWING

AB.2

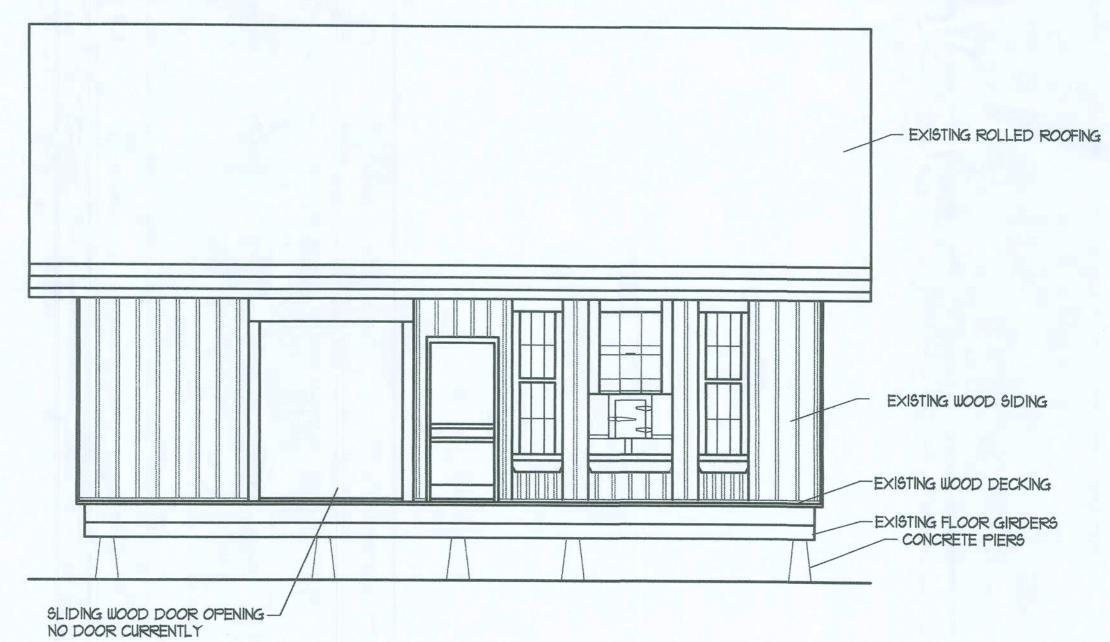




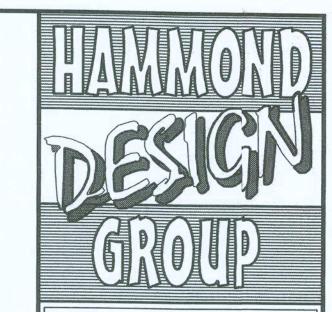


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ARCHITECTURE

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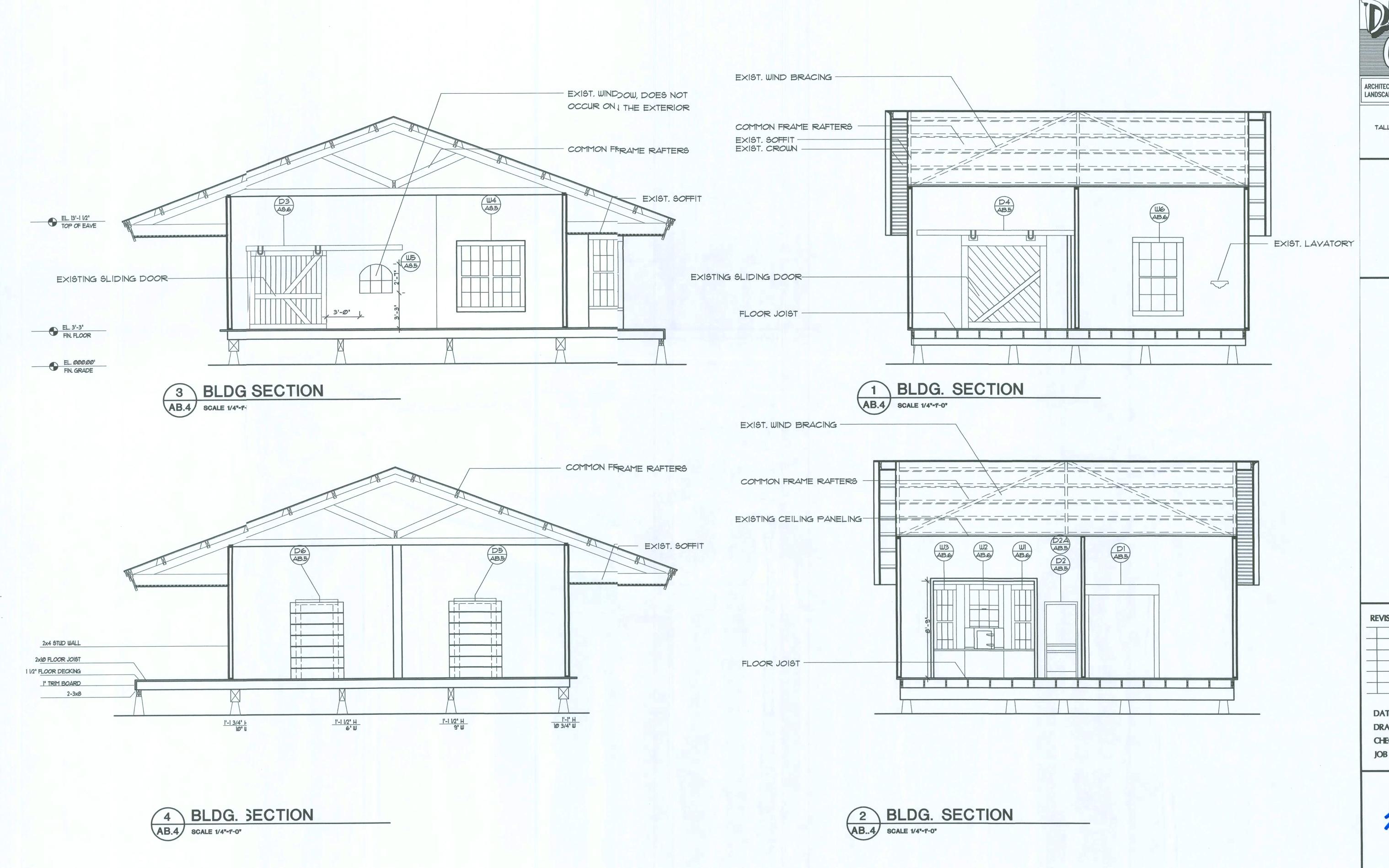
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AB.3



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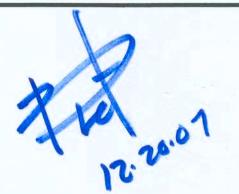
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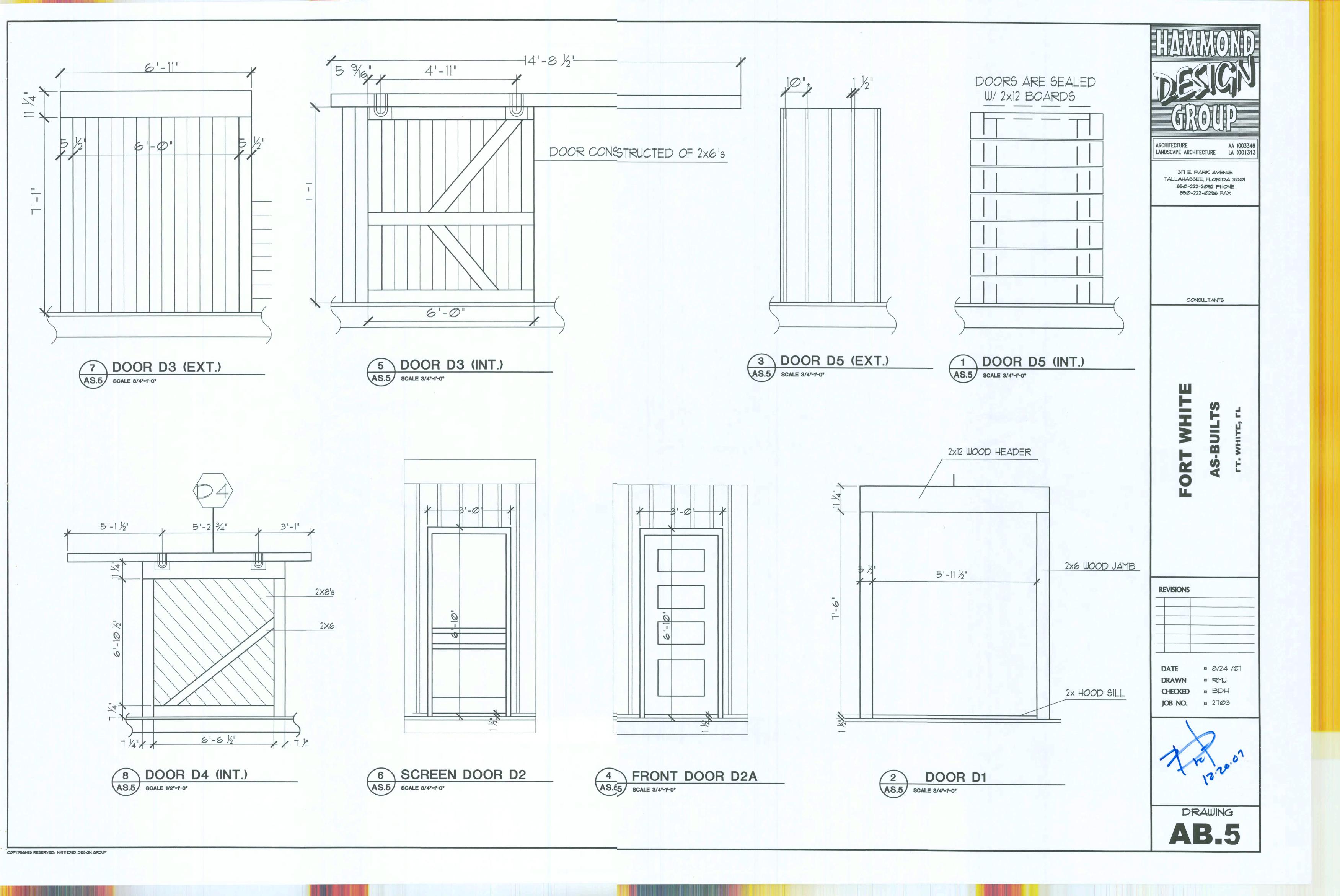
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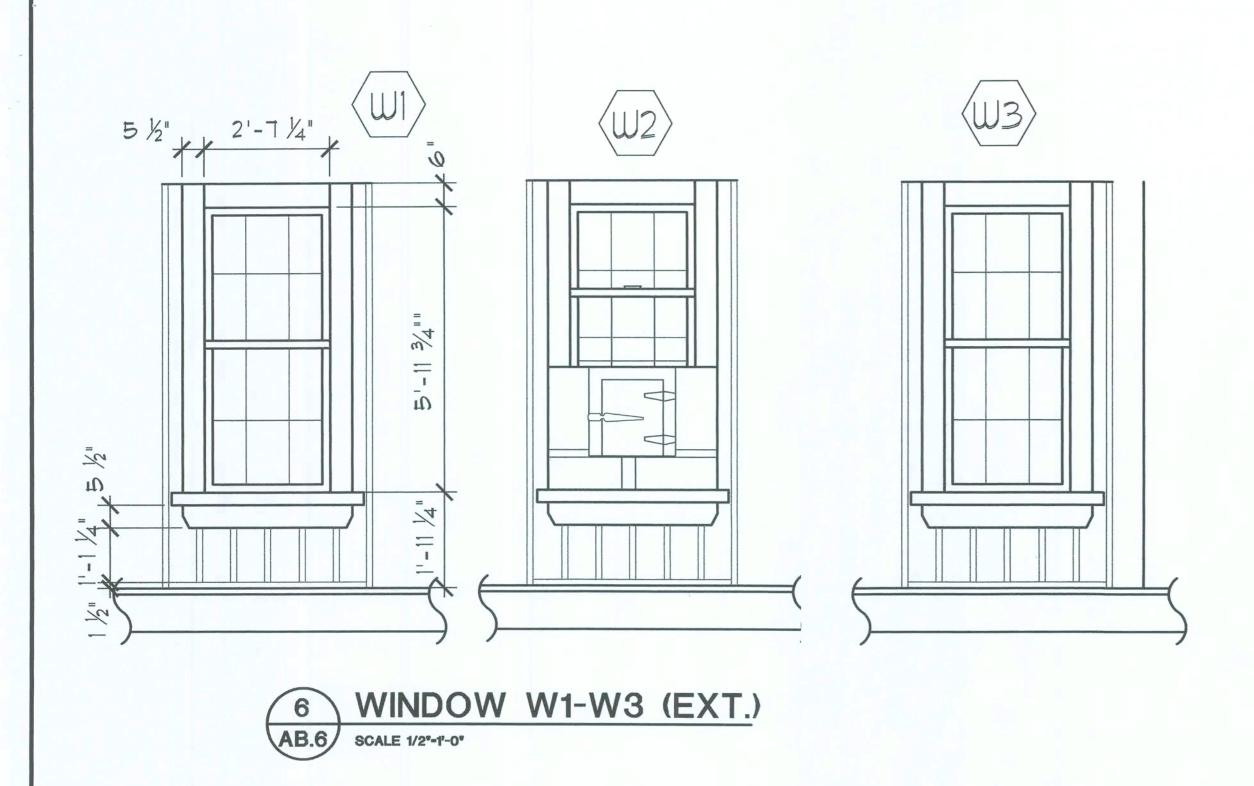


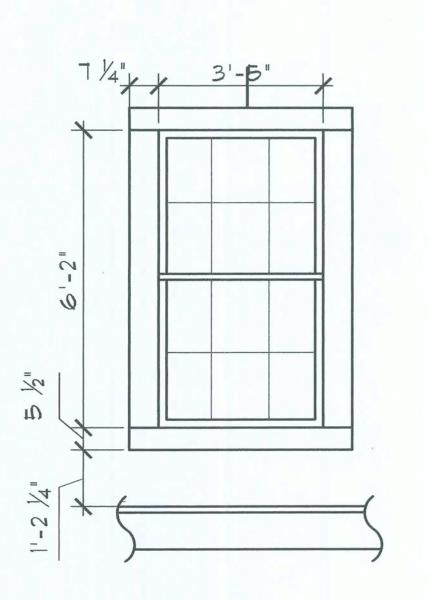
DRAWING AB.4

ervertcompany datalJob Files\2703 Ft. WHite Depotlas-builts\floor planSaved.dwg, AB.4, 8\25\2007 2:35:4 st D. Hammond, \\SERVER\HP DesignJet 1050C, Arch D - 24 x 36 in. (landscape), 1:1

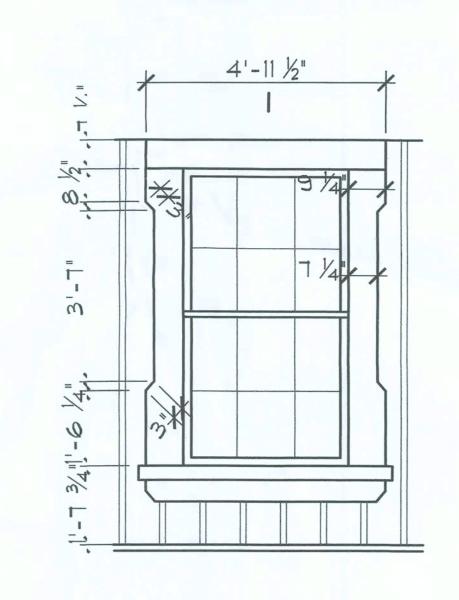
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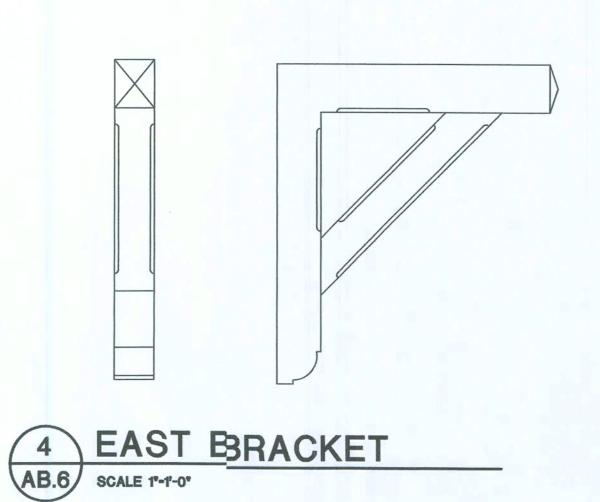


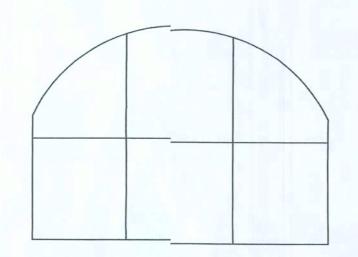






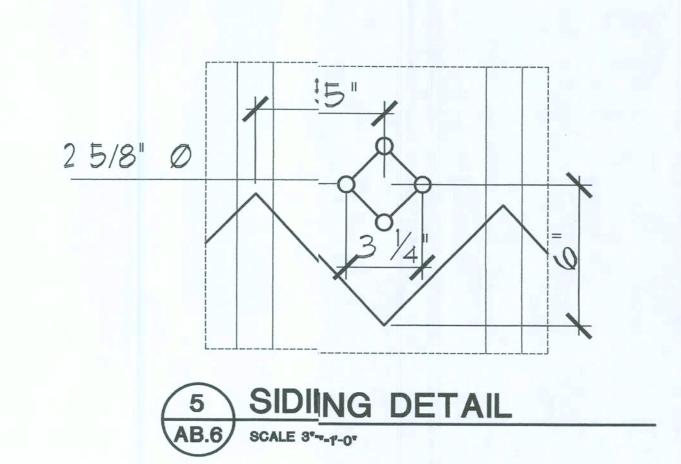
8 VINDOW W6 (EXT.)
AB.6 SALE 1/2\*-1'-0\*

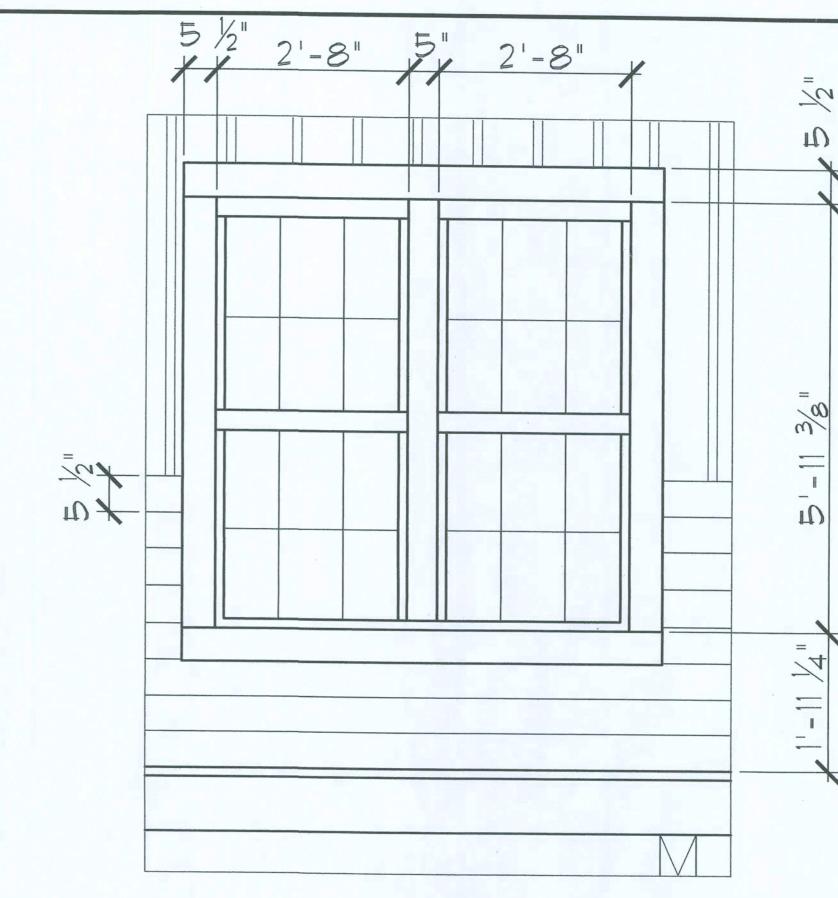




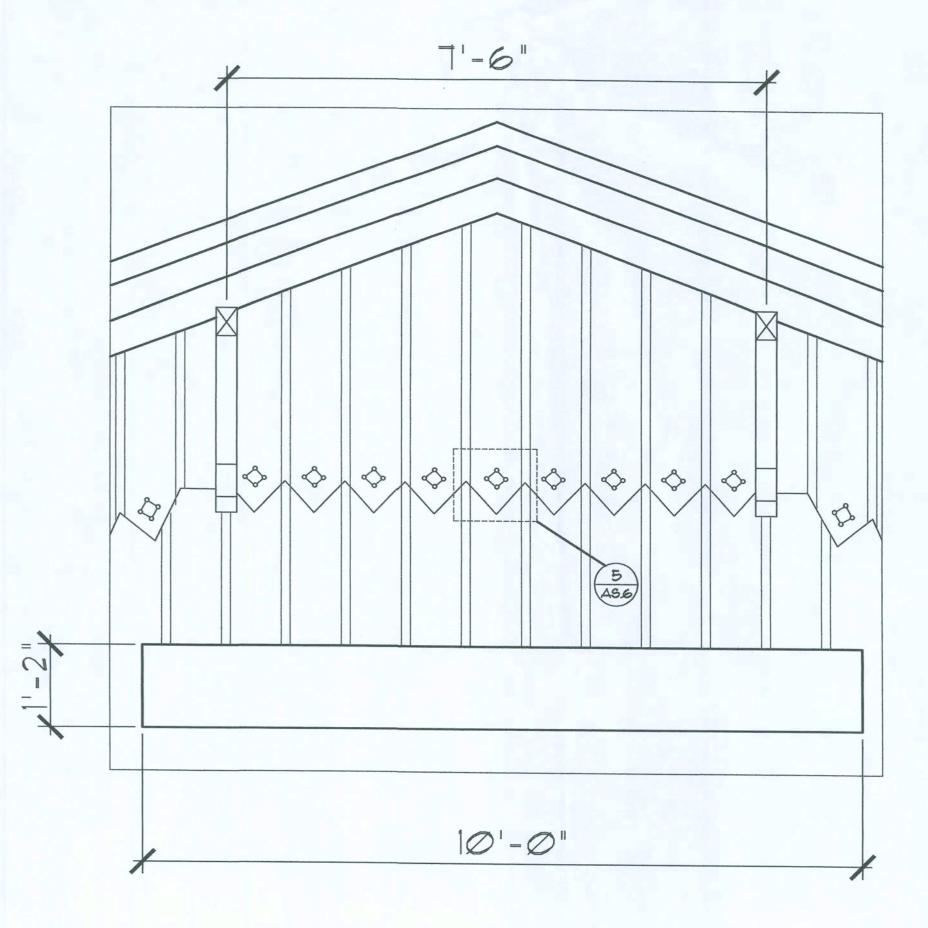
THIS WINDOW DOOES NOT OCCUR ON THE EXTERIOR! OF THE BUILDING







1 WINDOW W4 (EXT.)
AB.6 SCALE 3/4"-1"-0"



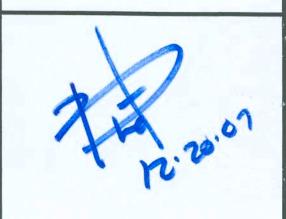
2 EAST EXT. FINISH
AB.6 SCALE 3/4"-1"-0"



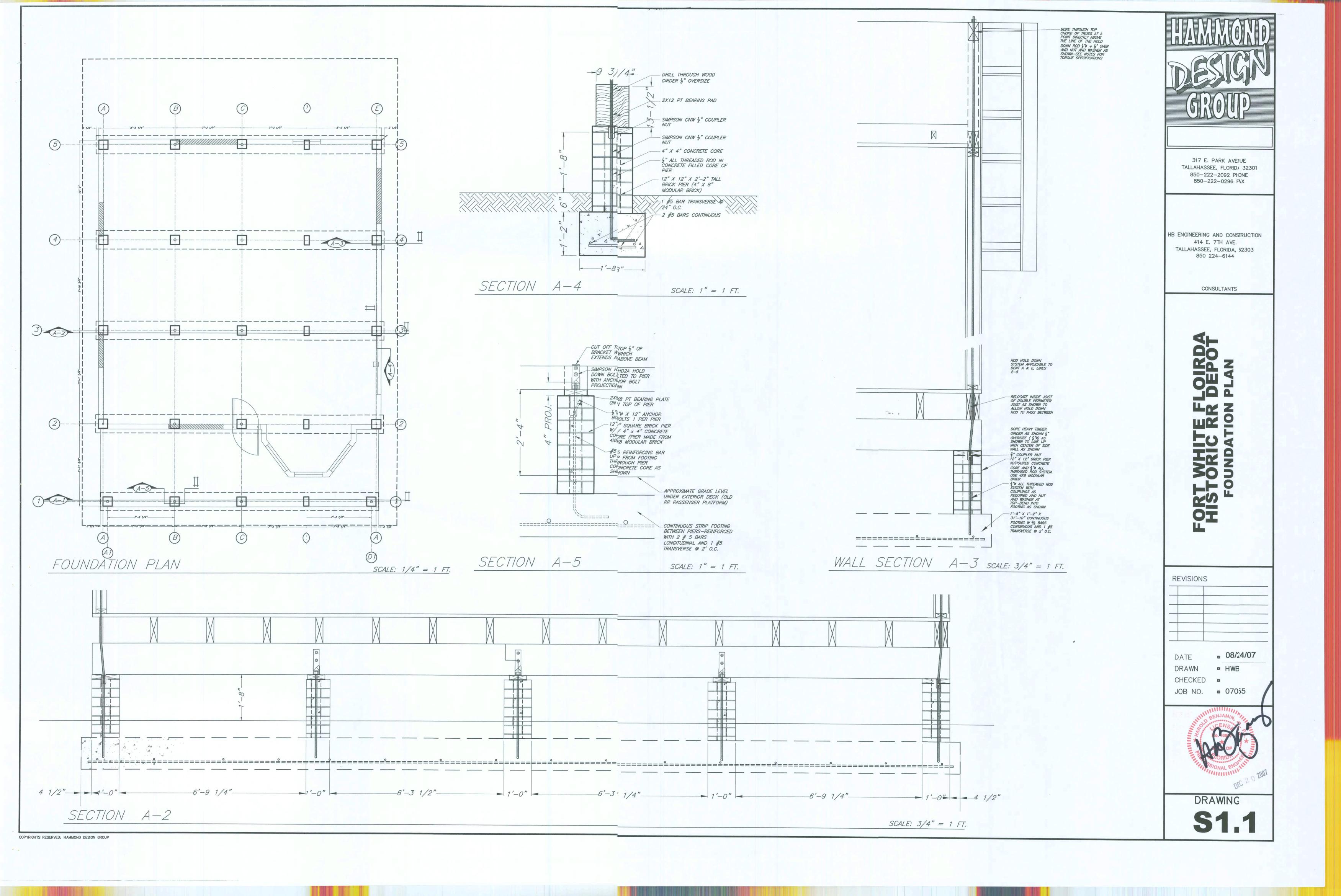
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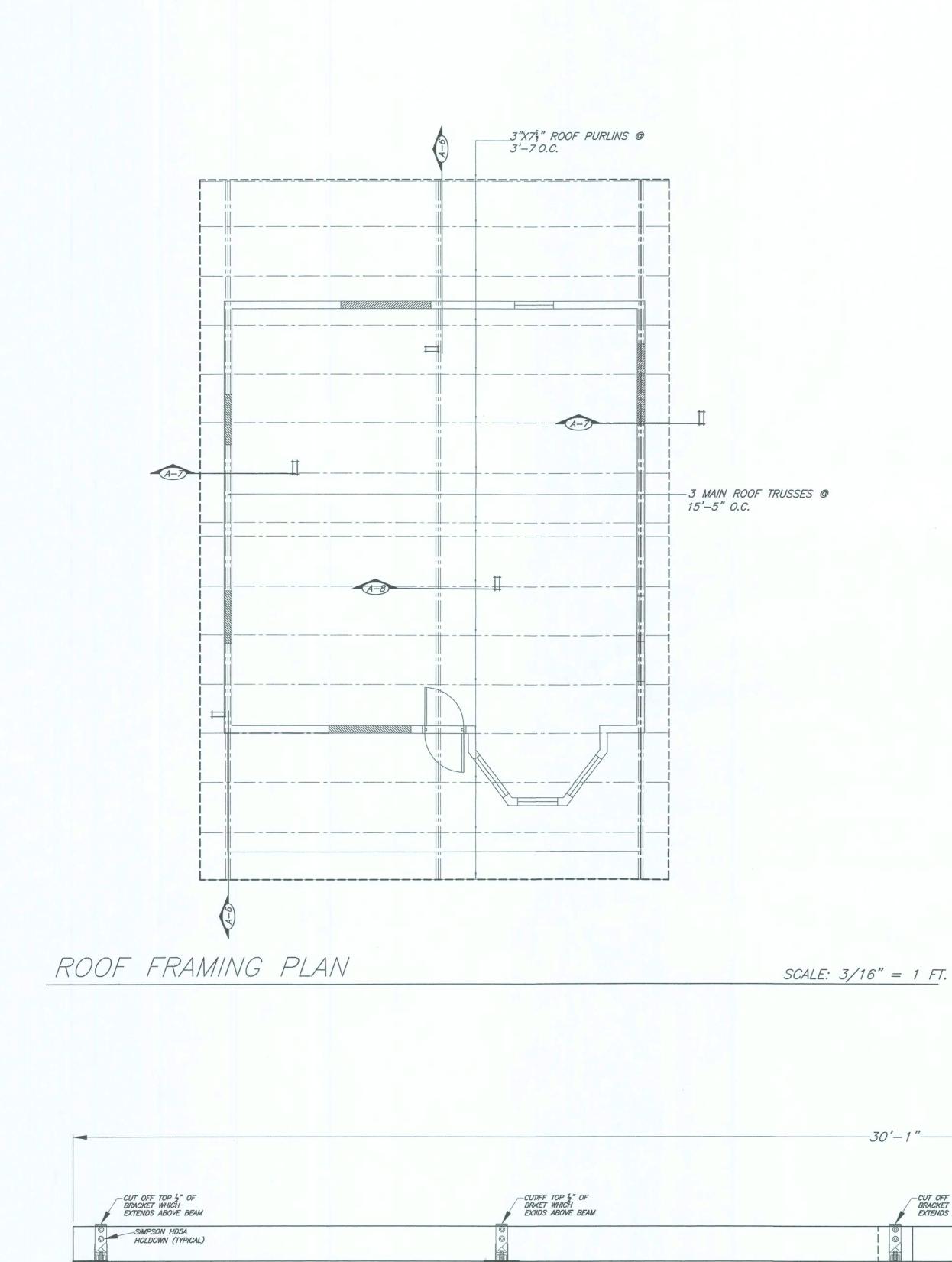
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AS-BUILTS

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JOB NO. 27/03

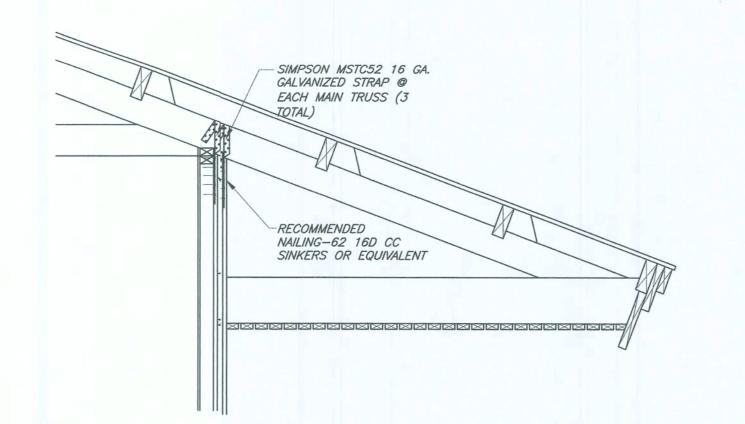


AB.6

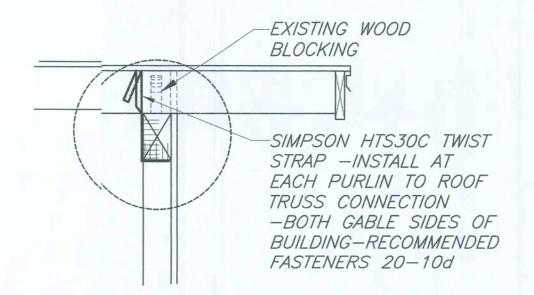




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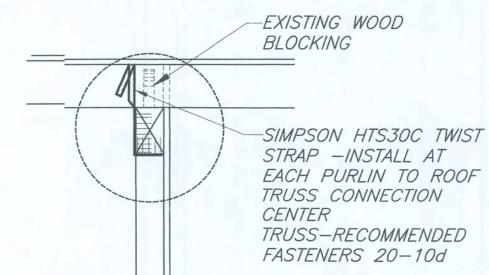


# SECTION A-6-FRONT AND REAR OVERHANG SCALE: 1/2" = 1 FT.



SECTION A-7-GABLE

OVERHANG SCALE: 3/4" = 1 FT.



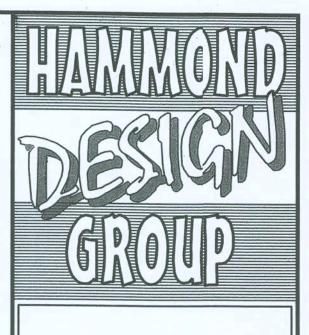
SECTION A-8-CENTER

TRUSS TO PURLIN SCALE: 3/4" = 1 FT.

### FOUNDATION NOTES

- 1. REMOVE TOPSOIL & ORGANIC MATERIAL FROM TOP 6"-12" OF EXISTING GRADE WITHIN THE BUILDING AREA EXTENDING AT LEAST 5' BEYOND THE BUILDING PERIMETER.
- 2. PROOF ROLL THE BUILDING FOOTPRINT WITH A 12 TON VIBRATORY DRUM TYPE ROLLER BY REPEATED PASSES. MAKE AT LEAST 10 COMPLETE PASSES WITH SOIL MOIST, BUT NOT WET. IF SOIL PUMPS WHEN ROLLED, I.E. PUSHES UP AROUND THE PATH OF THE ROLLER, CEASE ROLLING OPERATIONS. AND EITHER WAIT FOR DRYING OR:

  A. SCARIFY THE SURFACE OF THE SOIL WITHIN THE FOOTPRINT TO OPEN UP THE SOILS TO DRYING. ALL SCARIFIED SOIL TO REMAIN OPEN FOR 2 DAYS IN DRY CONDITIONS, AND LONGER IF NEEDED IN WETTER CONDITIONS. AFTER THE DRYING PERIOD, PROCEED ROLLING 10 COMPLETE PASSES.
- 3. EXCAVATE EACH INDIVIDUAL GRADE BEAM AS SHOWN ON THE DRAWINGS. EXCAVATION SHALL NOT REQUIRE FORMS UNLESS SOIL IS UNEXPECTEDLY LOOSE AND SLOUGHS DOWN ON THE SIDES OF THE TRENCH. IF ORGANIC MATERIAL, PLASTIC CLAY, OLD DEBRIS OR OTHER EXTRANNEOUS MATERIAL SHOWS UP WITHIN 12" OF THE TRENCH BOTTOM, REMOVE SAID EXTRANNEOUS MATERIAL AND BACKFILL WITH CLEAN SAND.
- 4. RUN A PLATE TYPE COMPACTOR ALONG THE TRENCH BOTTOM AND MAKE COMPACTION TEST AT A RATE OF 1 TEST FOR EVERY 50 LINEAL FEET OF TRENCH.
- 5. COMPACTION IN TRENCH BOTTOM SHALL BE 95% OF MODIFIED PROCTOR DENSITY, MINIMUM.
- 6. ALL CONCRETE USED IN FOOTING TRENCH SHALL BE F'C = 3,000 PSI MIN. @ 28 DAYS.
- 7. ALL REINFORCING STEEL USED IN CONCRETE TRENCHES SHALL BE Fy= 60 KSI ( GRADE 60 DEFORMED STEEL BARS)
- 8. CONCRETE FOOTINGS SHALL BE STRAIGHT AND PARALELL TO BUILDING LINES. ACCURATE LAYOUT OF FOOTING TRENCHES IS
- 9. SET REINFORCING FOR FOOTING TRENCHS ON ELEVATED WIRE CHAIRS TO MAINTAIN REINFORCNG 3" CLEAR OF EARTH.
  REINFORCING CAGE SHALL BE STRING LINED IN THE TRENCH FOR STAIGHTNESS.
- 10. HOLD DOWN RODS SHALL BE ½ Ø ALL THREAD ROD ELECTRO—GALVANIZED. PRESET STARTER RODS UP FROM THE FOOTING ACCURATELY TO BE WITHIN THE 4"X4" CONCRETE CORE OF THE BRICK PIER. TOP OF FIRST COUPLER SHALL BE FLUSH WITH THE TOP OF THE 12"X12"X2" PT BEARING PLATE.
- 11. HOLD DOWN RODS SHALL RUN FROM THE FOOTING UP THROUGH THE TOP CHORD OF THE ROOF TRUSS. INSTALL HEAVY PLATE WASHER WITH NUT, (ALL GALVINIZED) TORQUE HOLD DOWN ROD ASSEMBLY TO 80 FT. LBS., MINIMUM, AT TOP OF ROD.
- 16. ALL REINFORCING STEEL SHALL BE GRADE 60 DEFORMED STEEL BARS.
- 18. ANCHOR BOLTS SHALL BE 1/2" DIAMETER BY 10" LONG AND SHALL BE SET IN THE TOPS OF PIERS FOR BOLTING HOLDONW ANCHORS AND BEARING PLATES.
- 19. ALL DIMENSIONS SHALL BE CONTRACTOR VERIFIED. CONTRACTOR SHALL EMPLOY SKILLED PERSONS FOR LAYOUT OF FOUNDATION.
- 20. VERIFY COMPACTION AT ALL REQUIRED INTERVALS, IF TEST FAILS MINIMUM COMPACTION REQUIREMENTS, RE—COMPACT AND RE—TEST UNTIL TEST PASSES.
- 21. ALL REINFORCING STEEL AND WIRE MESH AND REINFORCING ACCESSORIES SHALL BE PLACED IN ACCORDANCE WITH THE LATEST "MANUAL OF PRACTICE OF THE CONCRETE AND REINFORCING STEEL INSTITUTE"
- 22. DESIGN SOIL CONTACT PRESSURE IS 2,000 POUNDS PER SQUARE
- 23. DESIGN FLOOR LIVE LOADING IS 100 POUNDS PER SQUARE FOOT,
- 24. DESIGN WIND LOADING TRANSMITTED TO THE FOUNDATION IS 100
- 25. COMPLY WITH ALL APPLICABLE REQUIREMENTS OF:
  A. "MANUAL OF PRACTICE OF THE CONCRETE AND REINFORCING STEEL INSTITUTE", LATEST EDITION
- B. AMERICAN CONCRETE INSTITUTE, ACI 318-95, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" C. "STANDARD BUILDING CODE, 2004 EDITION, W/2005 & 2006
- 27. THIS FOUNDATION PLAN WAS PREPARED WITH THE BENEFIT OF A



317 E. PARK AVEIUE
TALLAHASSEE, FLORIDA 32301
850-222-2092 PHONE
850-222-0296 FAX

HB ENGINEERING AND CONSTRUCTION
414 E. 7TH AVE.
TALLAHASSEE, FLORIDA, 32303
850 224-6144

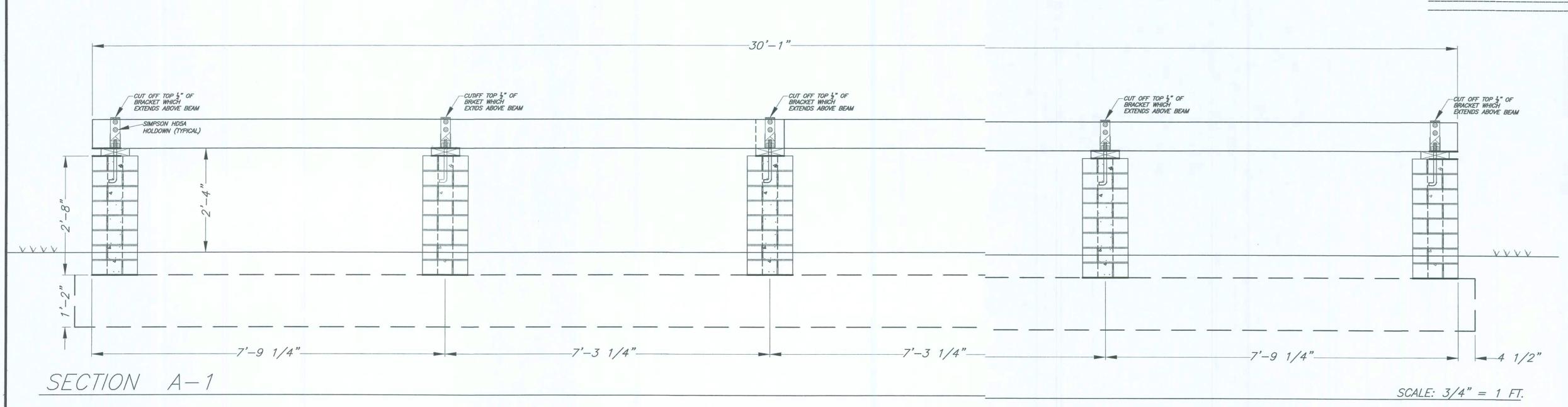
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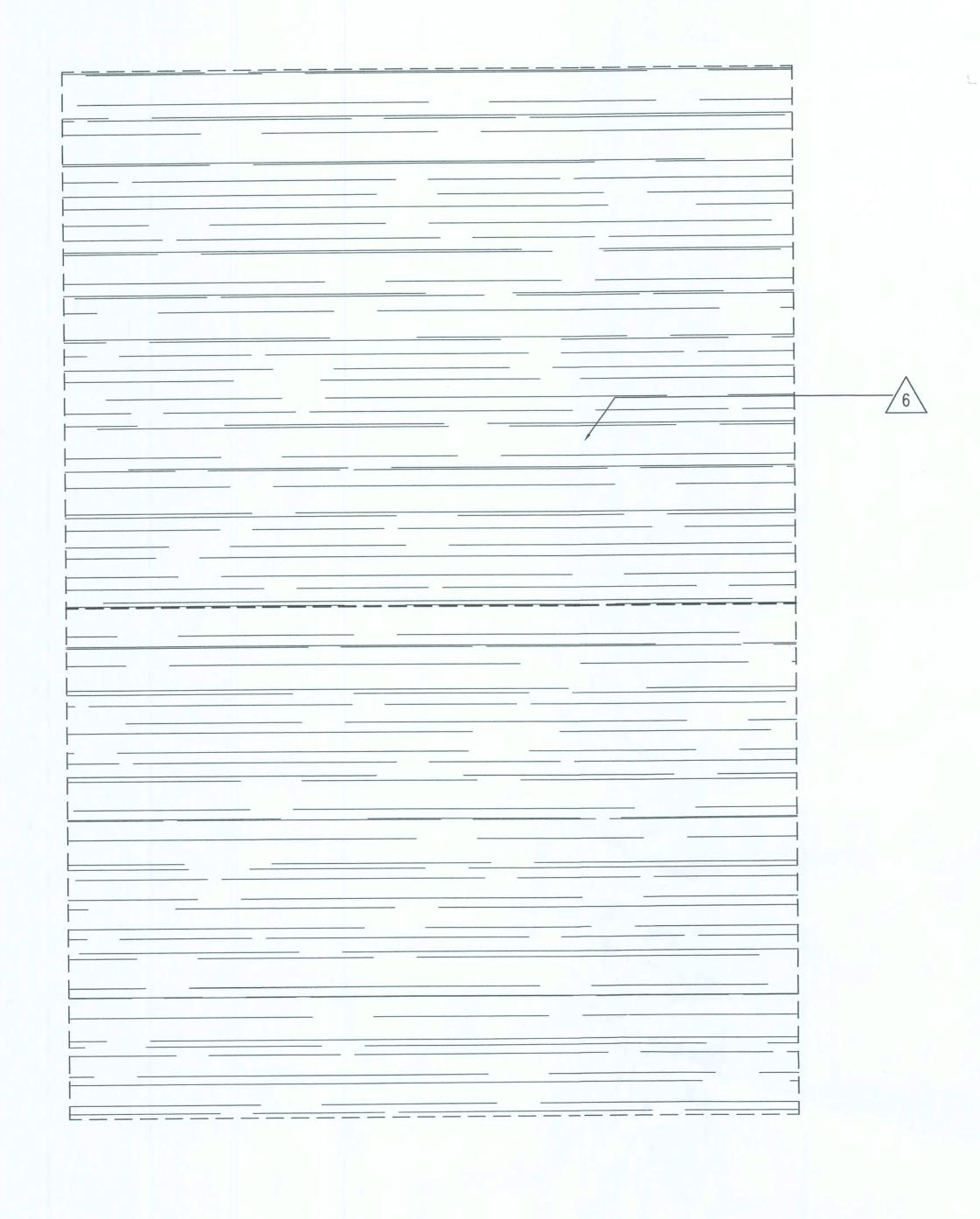
FORT WHITE FLOIRDA
HISTORIC RR DEPOT
FOUNDATION PLAN

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JOB NO.		07(55



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### **GENERAL DEMOLITION NOTES**

1. REMOVE / DEMOLISH ALL ITEMS NOTES IN HATCHED AREA. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS NECESSARY FGOR THE WORK IDENTIFIED.

2. A HAZARDOUS MATERIALS SURVEY SHALL BEE CONDUCTED BEFORE DEMOLITION BEGINS. FOR DETAILED INFORMATION ON CONDUCTING DEMOLITION IN COMPLIANCE WITH THE EPA'S NATIONAL EMISSION STANDARDS, FOR HAZARDOUS AT POLLUTANTS (NESHAP) STANDARDS, CONTACT THE EPS NESHAAP REGIONAL COORDINATOR AT 404-562-9191 OR THE LOCAL FDEP REPRESENT TATIVE.

3. COMPLY WITH THE APPROPRIATE LOCAL AGGENCIES AND REGULATIONS GOVERNING THE DISPOSAL OF DEMOLISHED MAATERIALS.

4. OWNER ASSUMES NO RESPONSIBILITY FOR THHE CONDITION OF AREAS TO BE DEMOLISHED.

5. SURVEY EXISTING CONDITIONS AND CORRELLATE WITH REQUIREMENTS INDICATED TO DETERMINE THE EXTENT OF SELECTIVE DEMIGOLITION REQUIRED.

6. VERIFY THAT ALL APPROPRIATE UTILITIES HHAVE BEEN DISCONNECTED. (OVERHEAD AND UNDERGROUND)

7. NOTIFY THE OWNER'S REPRESENTATIVE (HAMMMOND DESIGN GROUP - 222-2092) SHOULD UNANTICIPATED CONFLICTS OCCUR.

8. DO NOT INTERRUPT EXISTING UTILITIES SERVIVING THE ADJACENT BUILDINGS OR OTHER STRUCTURES. 9. LOCATE, IDENTIFY, DISCONNECT AND SEAL COR CAP OFF UTILITIES SERVING THE AREAS TO SELECTIVELY DEMOLISHED.

10. PROCEED WITH SELECTIVE DEMOLITION SYSTEMATICALLY, FROM HIGHER TO LOWER LEVEL, SERVING THE AREAS TO SELECTIVELY DEMOLISHED. COMPLETE SELECTIVE DEMOLITION OPERATIONS ABOVE ESACH TIER BEFORE DISTURBING SUPPORTING MEMBERS ON THE NEXT LOWER LEEVEL.

11. DEMOLITION CONTRACTOR SHALL CLEAN SITITE UPON COMPLETION OF THE DEMOLITION PROCESS TO PREPARE FOR STARRT OF CONSTRUCTION.

12. VISUALLY INSPECT ROOF RAFTERS, WALLS AND WOODWORK FOR WOOD ROT, BUG INFESTATION OR RAFTER DETERIORATION. CONTITACT THE HAMMOND DESIGN GROUP IF DELETERIOUS CONDITIONS ARE DISCOVERED. I REPAIR PRIOR TO INSTALLATION OF NEW ROOF DECK.

13. INTERIOR WALLS SHALL BE SCAPED OF ALL DEBRIS AND PREPARED AND PRIMED TO BE RE-PAINTED.

14. PREPARE EXISTING STRUCTURE FOR MOVEMENT AND RELOCATION TO THE NEW FOUNDATION AS ILLUSTRATED ON SHEET AQ.1.

1\ REMOVE ALL EXISTING COUNTERTOP MMATERIALS.

/2\ DEMOLISH WALL AS SHOWN IN ITS ENTIFIRETY.

/3\ PROVIDE OPENING FOR 3'-0" DOOR.

4 REMOVE ALL CEILING FIXTURES AND RREPAIR CEILING.

REMOVE SLIDING DOORS AND SALVAGGE DOOR PANEL FOR RE-USE IN THE RECONSTRUCTION OF FAUX PANEL.

REMOVE EXISTING ROOFING AND ASSOCIATED LUMBER SUBSTRATE

7 REMOVE EXISTING LAVATORY AND PLILUMBING.

/8\ REMOVE EXISTING INTERIOR WINDOW.

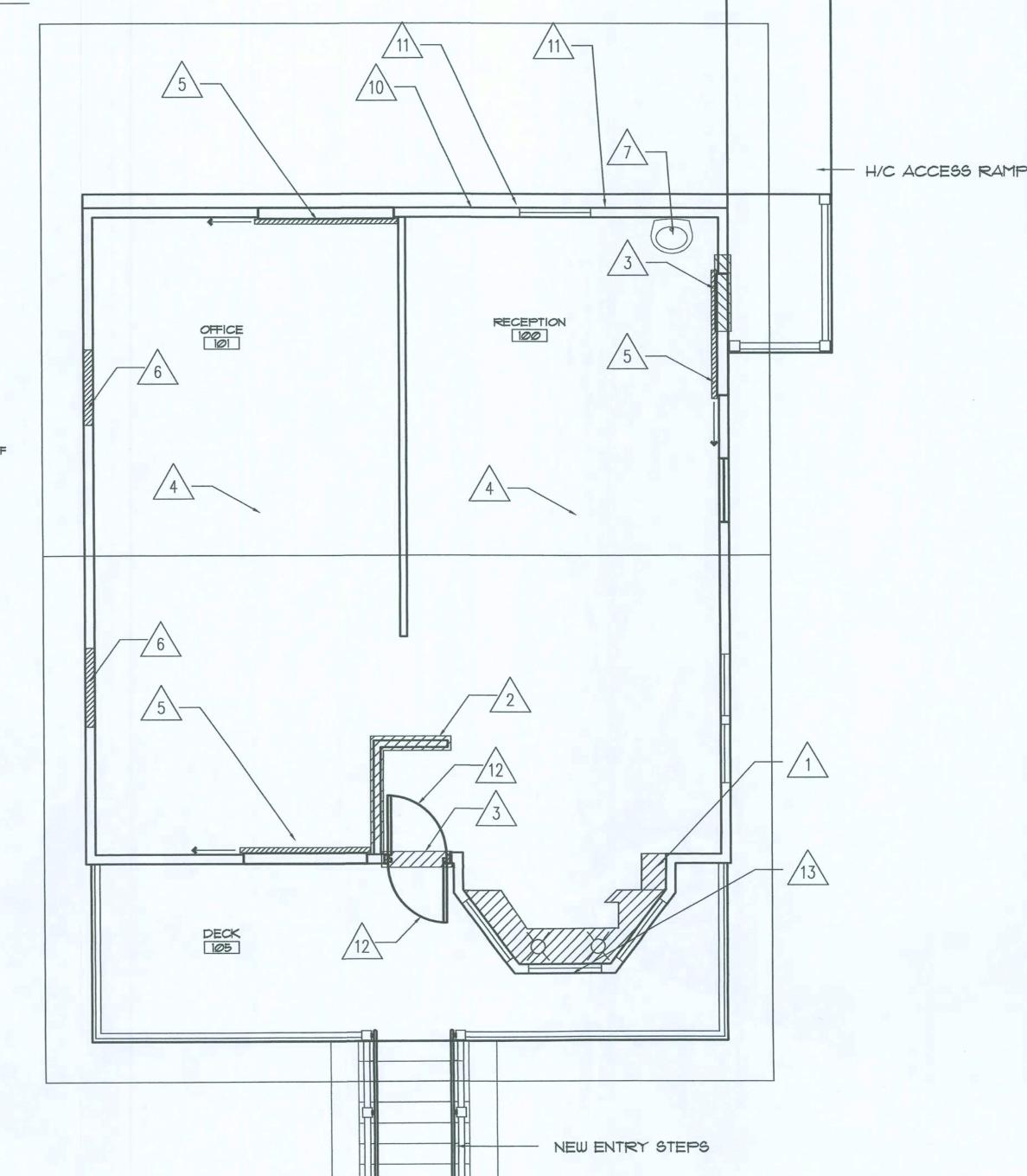
REMOVE EXISTING ROOFING & ROOF DISECK

10 REMOVE EXISTING ELECTRICAL METERR BASE

PIPING FROM EXTERIOR OF THE BUILDOING

12 REMOVE EXISTING DOOR

13 REMOVE STATION MASTER ACCESS DGOOR





**DEMOLITION PLAN** 



ARCHITECTURE

AA 0003346 LANDSCAPE ARCHITECTUR: LA 0001313

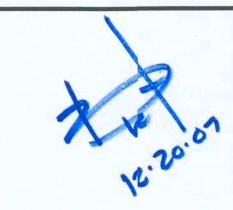
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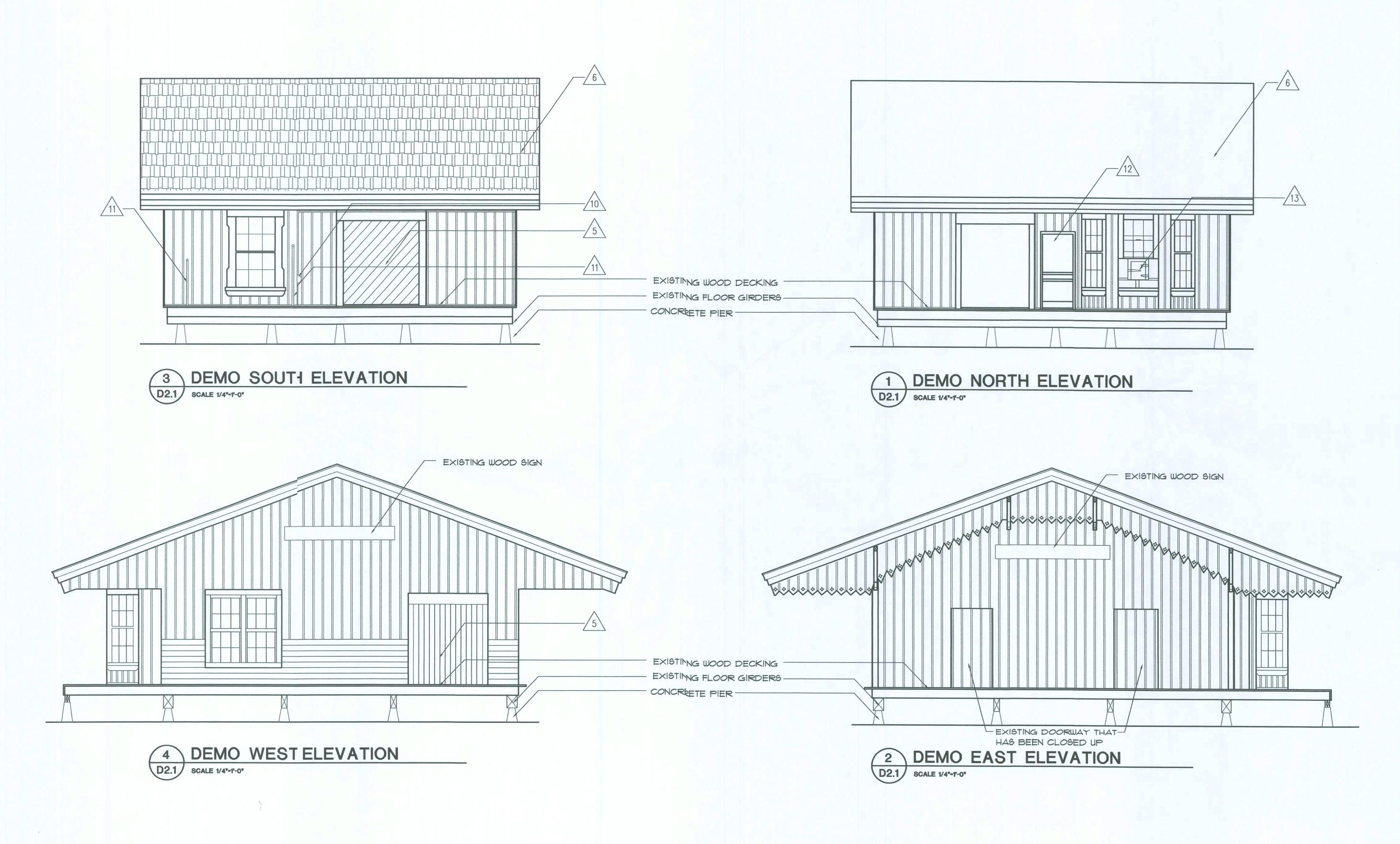


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D1.1 | SCALE 1/4"-1"-0"

**DEMOLITION ROOF PLAN** 

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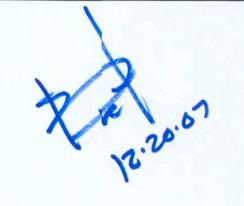
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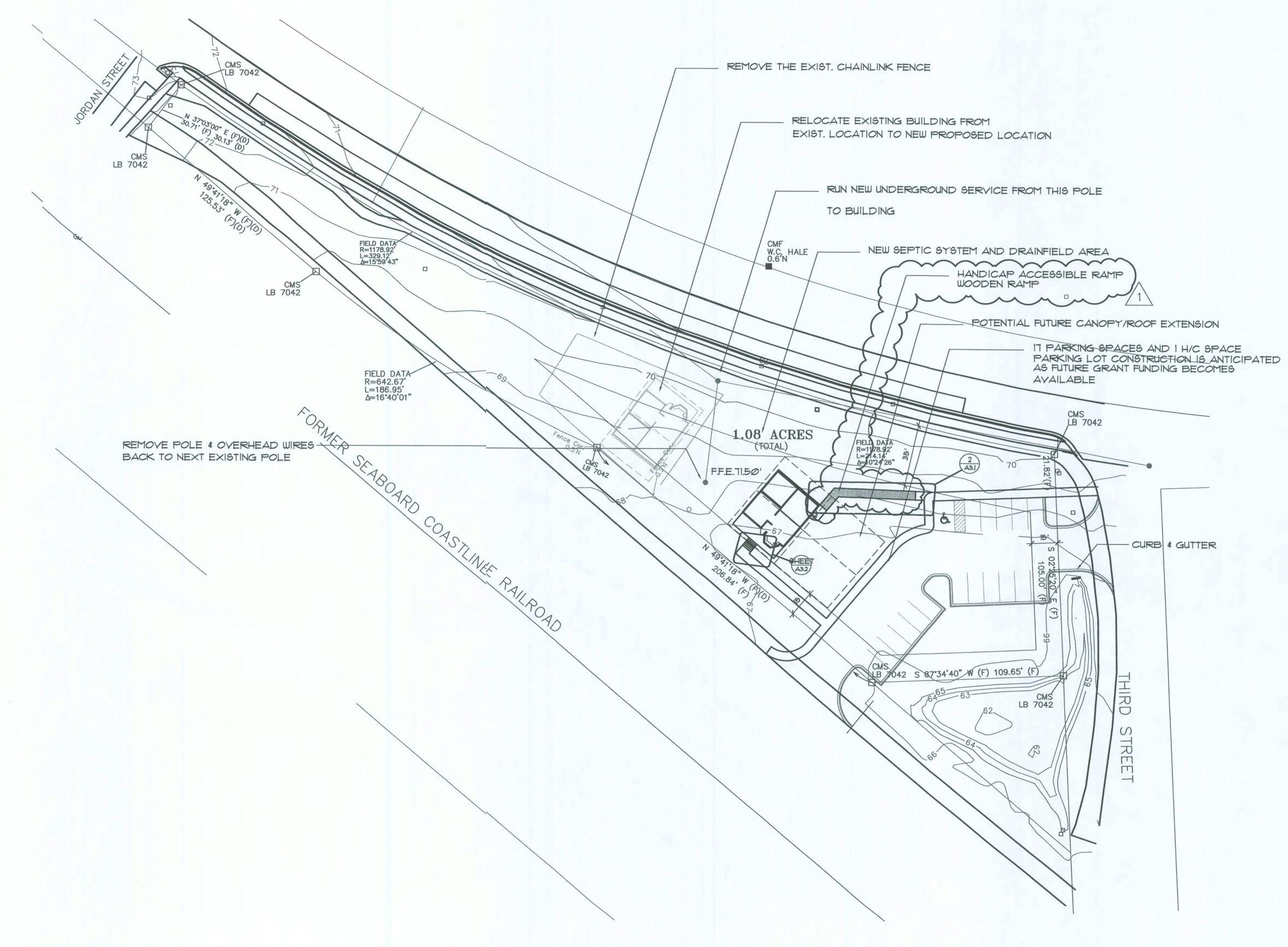
JOB NO. ■ 2703



DRAWING D2\_1

### ADDITIVE ALTERNATE \*

PROVIDE AND INSTALL A 1100 GALLON SEPTIC SYSTEM AND 1000 LIN. FEET OF DRAINFIELD WITH ASSOCIATED GRAVEL AND ACCESSORIES. SYSTEM WILL BE OPERATIONAL AND COMPLY WITH FLORIDA DEPARTMENT OF HEALTH REQUIREMENTS.



AA 0003346

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	10/09/2001

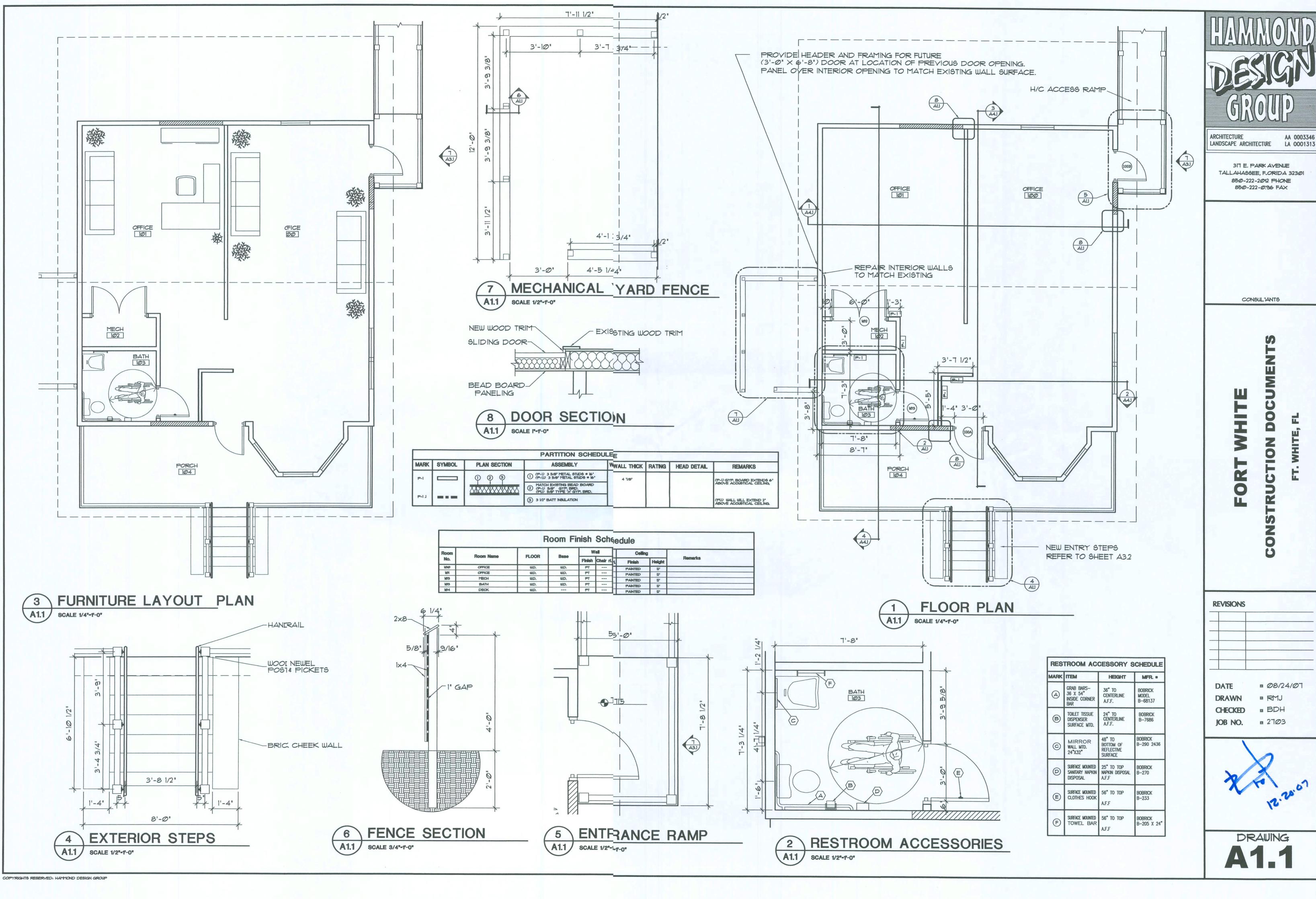
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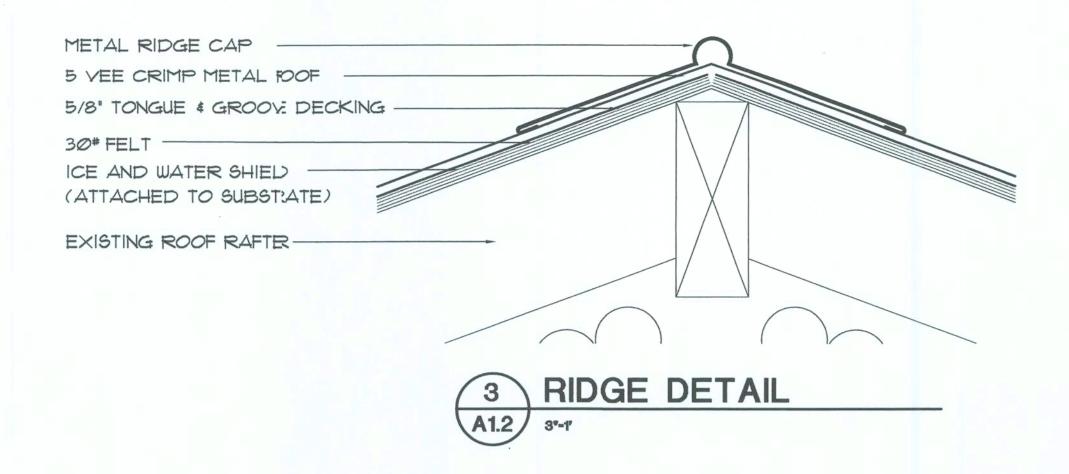


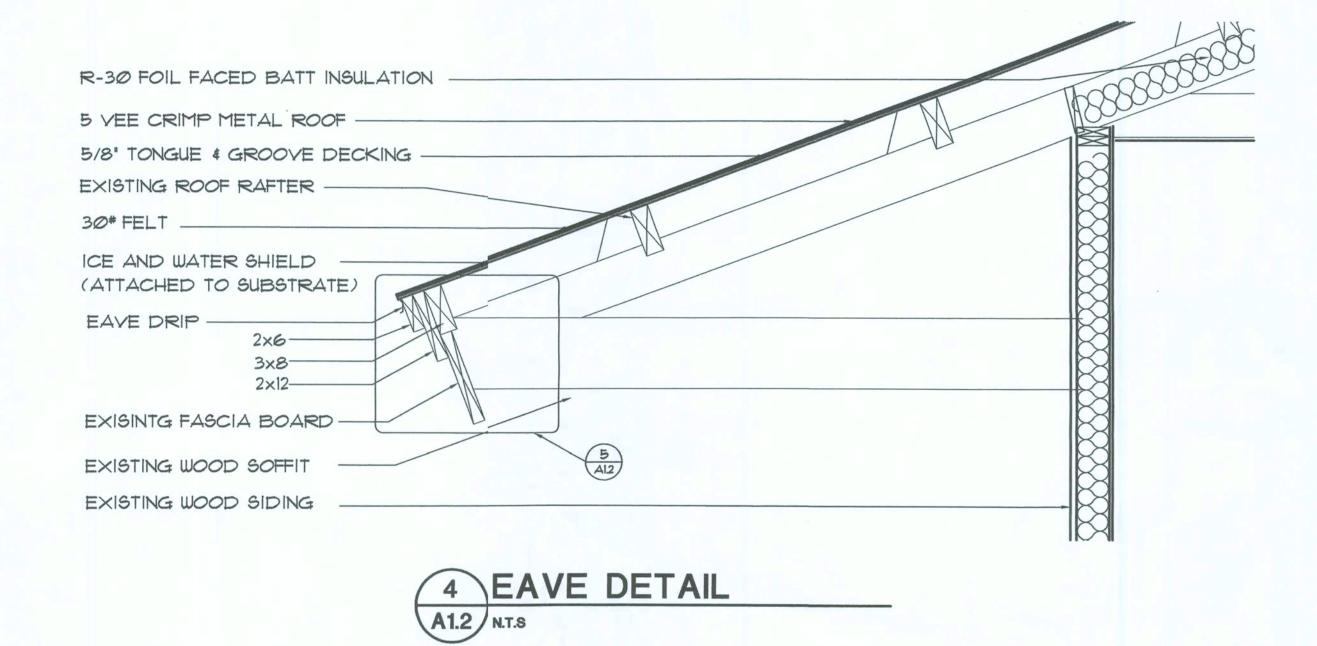
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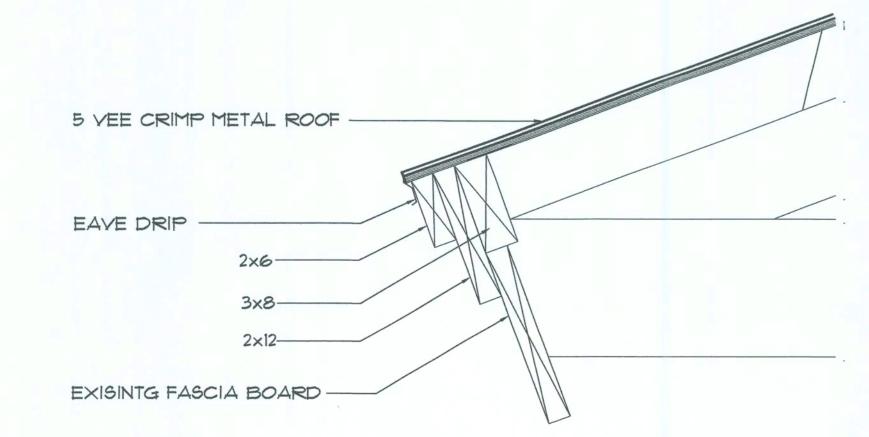
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1 SITE PLAN

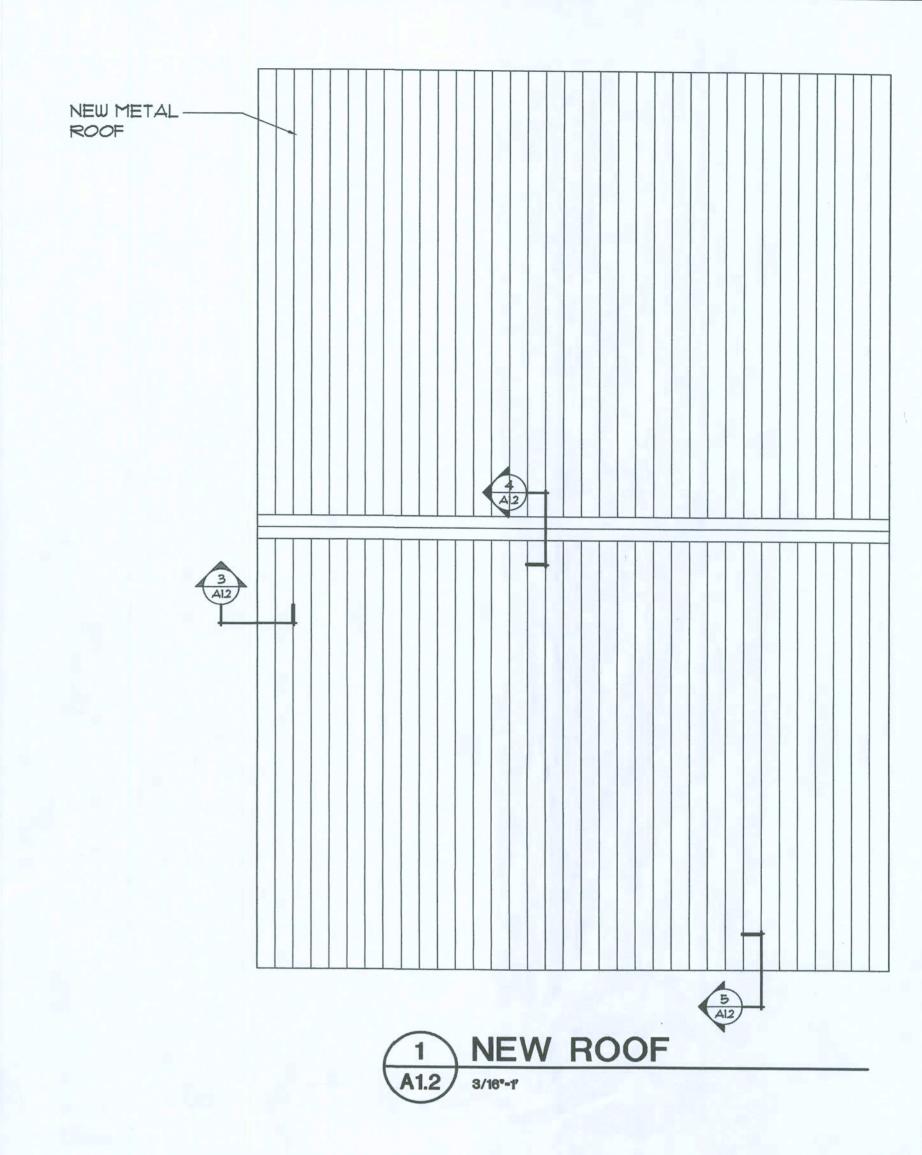


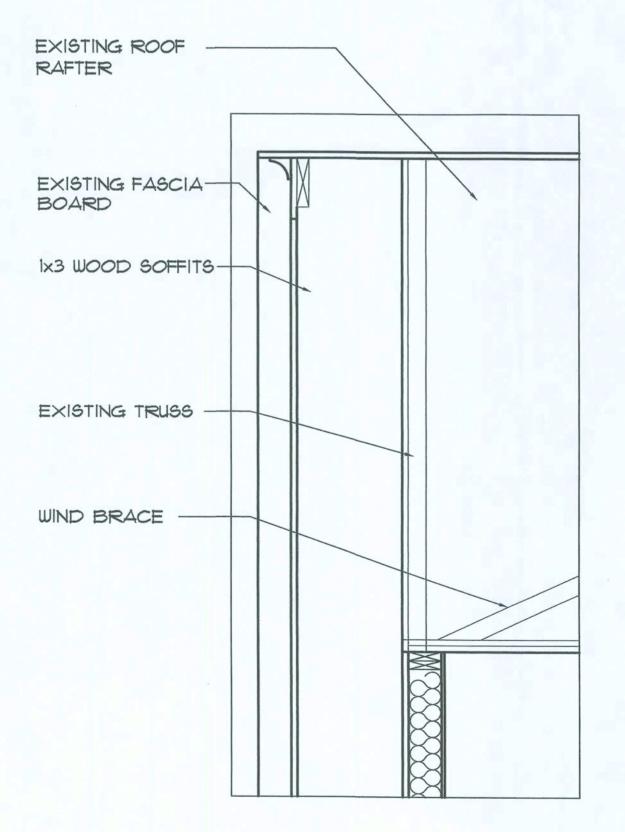




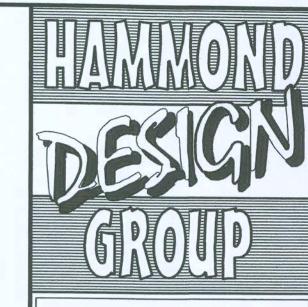


ENLARGED EAVE EDGE 5 EN A1.2 N.T.S









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### CEILING FIXTURE LEGEND

X

LIGHT PENDANT



CEILING FAN

EMERGENCY LIGHT

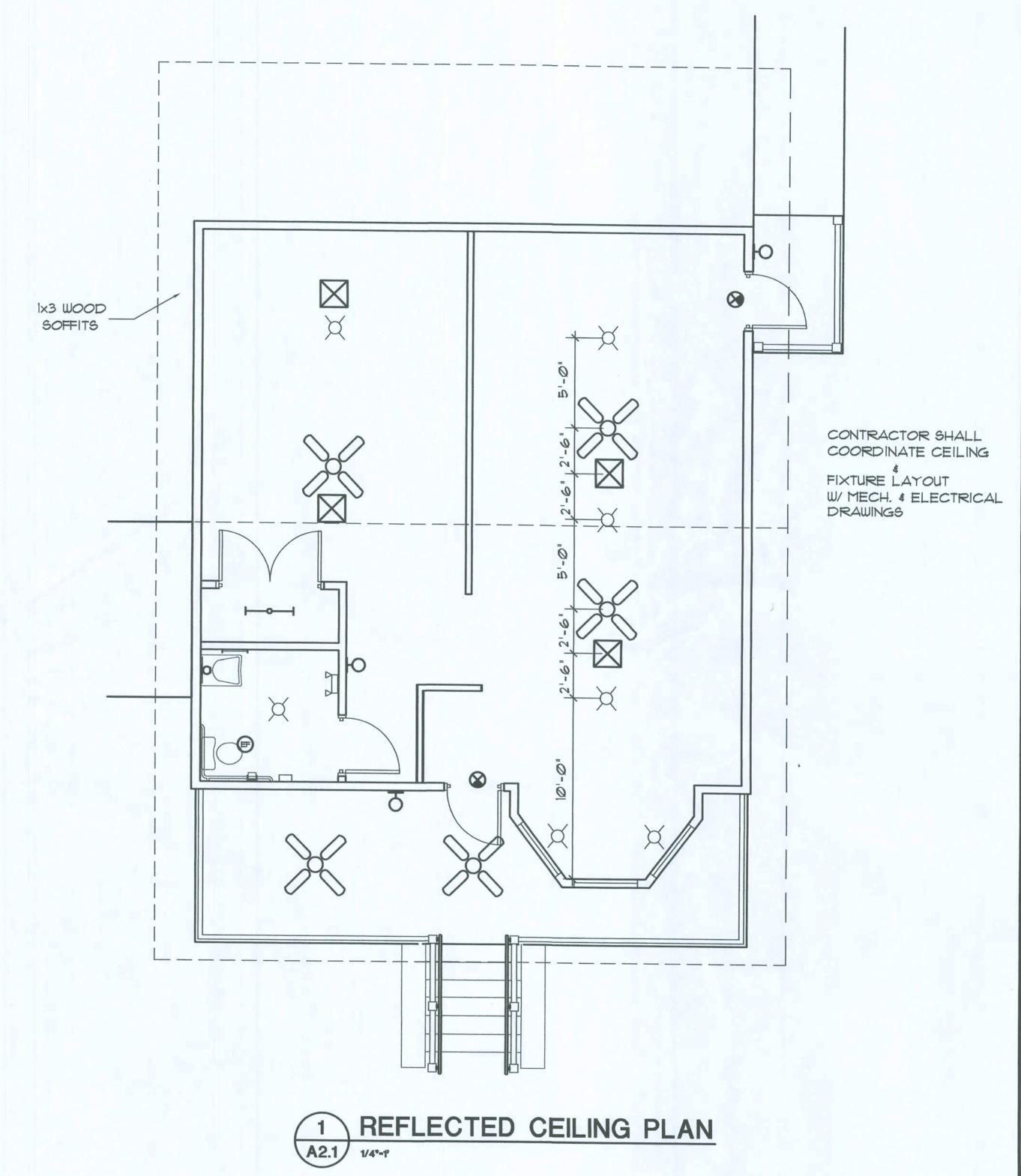
MALL SCONCE

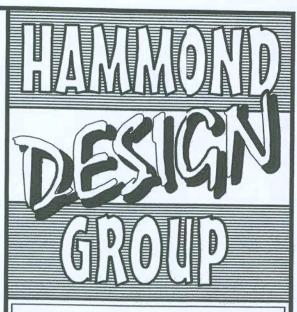
EXHAUST FAN

FLOURESCENT STRIP

EMERGENCY EXIT

SUPPLY DIFFUSER





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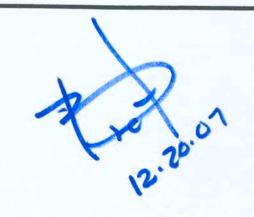
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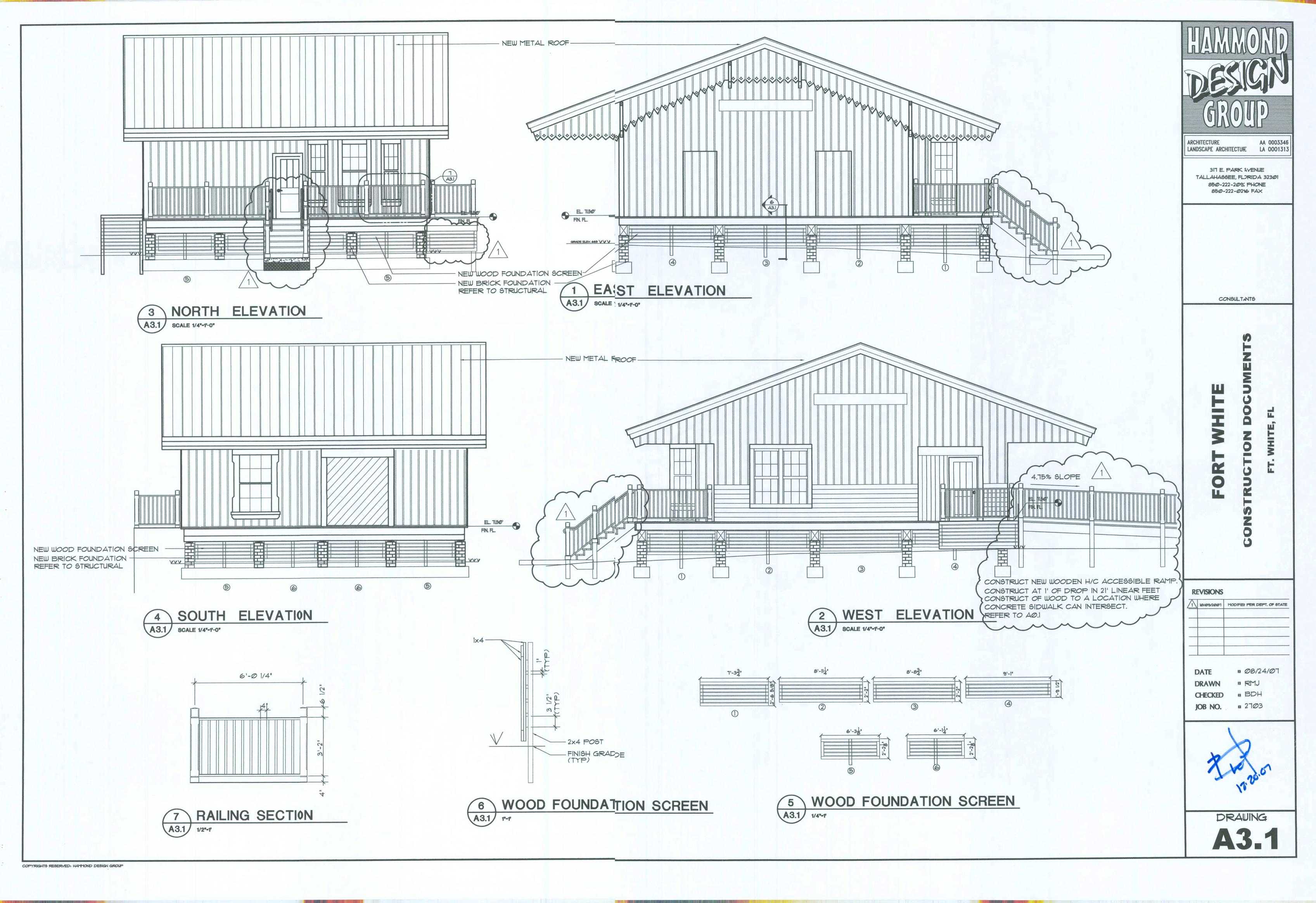
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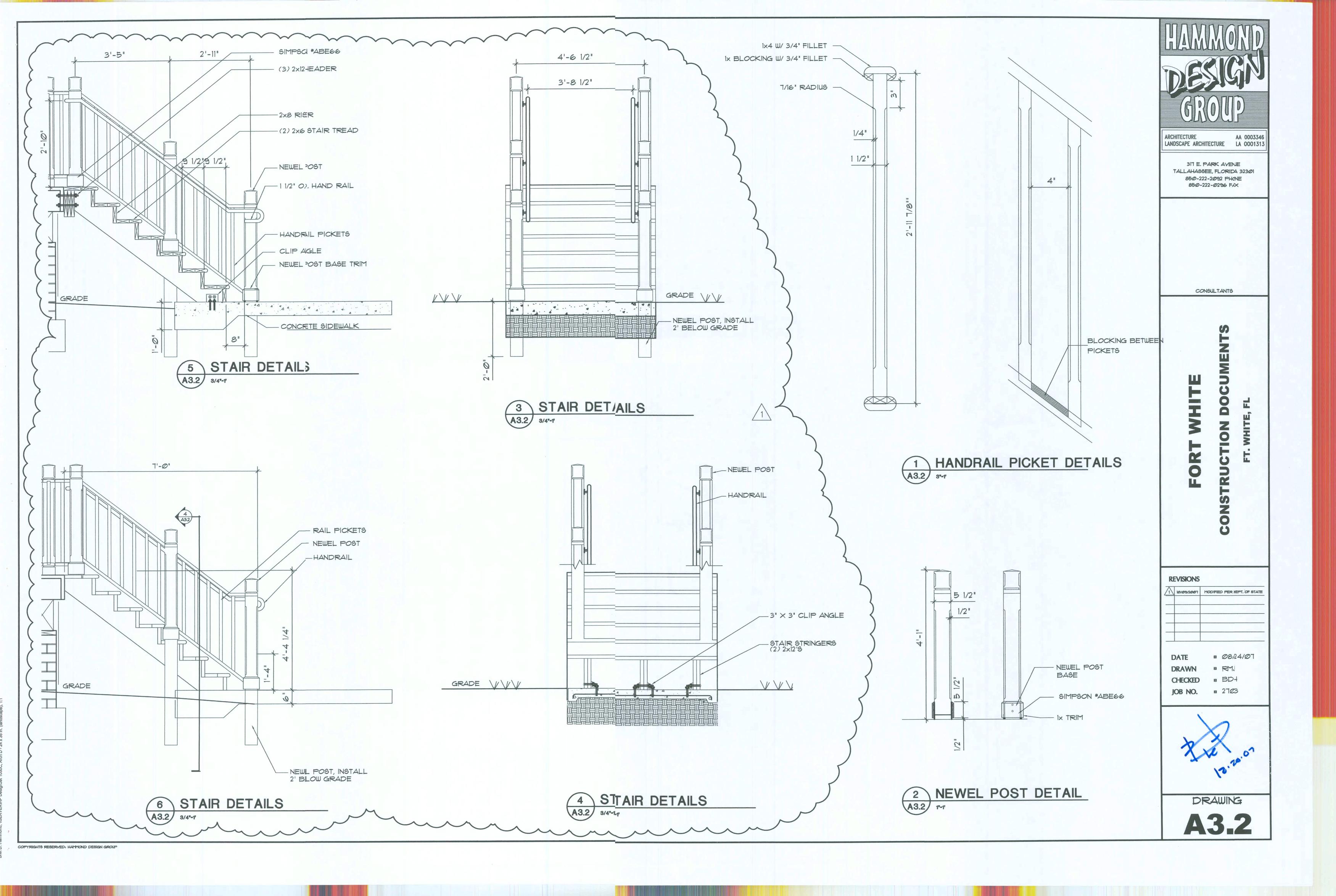
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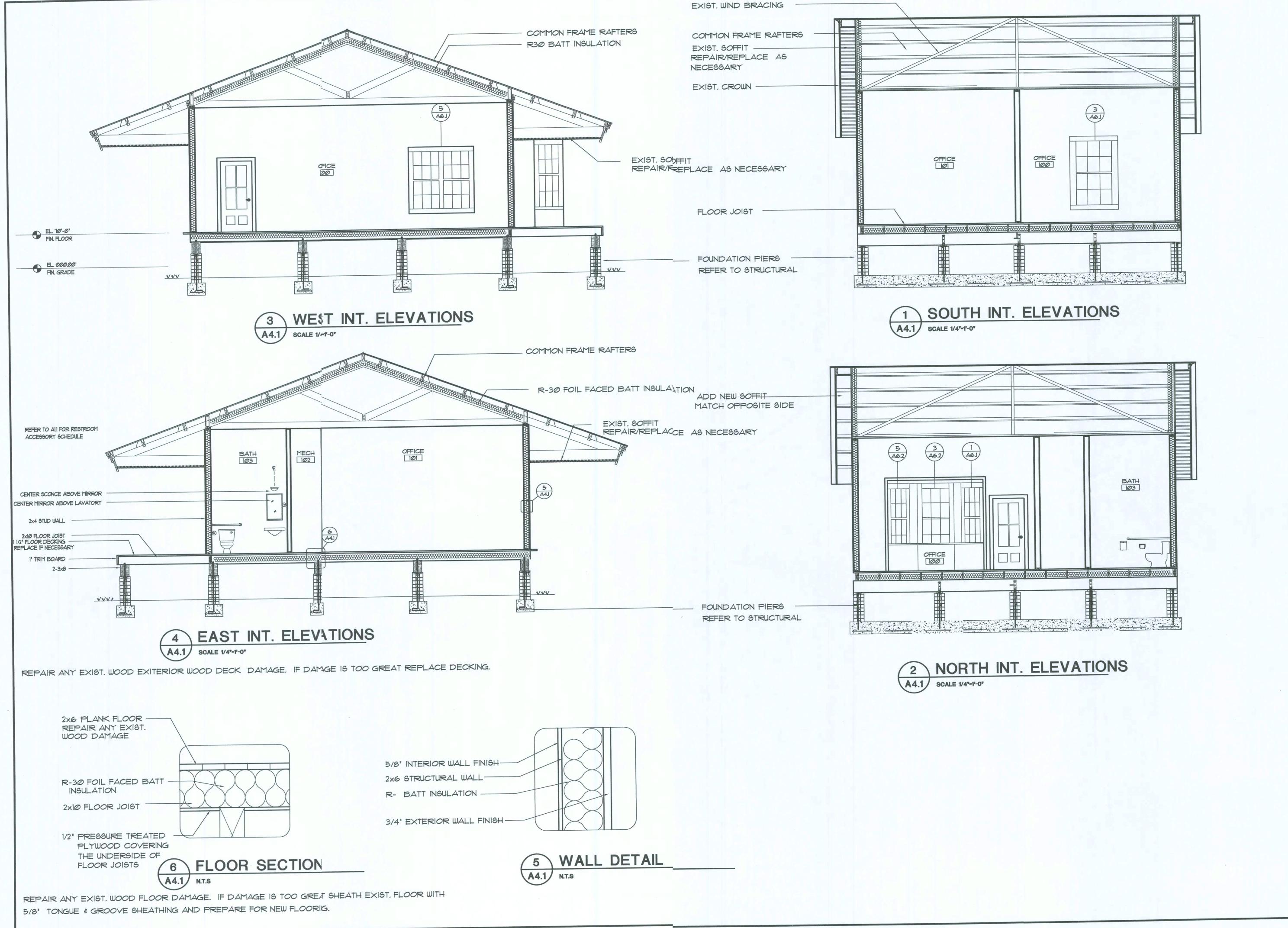


DRAWING A2.1



Bret D. Hammond, NSERVERIHP DesignJet 1050C, Arch D - 24 x 36 in. (lan





DESIGN

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DRAWING A4.1

				Do	or an	d Fra	ame	Sch	edule						
	Doors Frame							Assen	nbly						
Mark	Туре	Size	Th	Mat	Finish	Hdware	Тур	Mat	Finish	Head	Jamb	Thresh	Label	Remarks	
100A	3	3'-0" × 6'-10"	1 3/4"	SC. WD.	PT	1	A	WD.	PT.	6/A5.1	5/A5.1	T/A5.1		PROVIDE CLOSER	
100B	3	3'-0" × 6'-10"	1 3/4"	SC. WD.	PT	1	A	WD.	PT.	6/A5.1	5/A5.1	7/45.1		PROVIDE CLOSER	
102	2	6'-0" x 6'-10"	1 3/4"	SC. WD.	PT	3	В	WD.	PT	6/A5.1	5/A5.1				
103	2	3'-0" × 6'-10"	1 3/4"	SC. WD.	PT	2	В	WD.	PT	6/A5.1	5/A5.1				

PASSAGE LOCK SET 7
Forged brass lever door set with rectangular backplates. Premium quality forged brass lever. Solid brass backplates measure 7 1/4" tall by 2 1/2" wide and the levers are 4 5/8" in length. This set features heavy duty spring assisted levers and easy installation for modern doors. This set is designed for a door thickness between 1 3/16" and 1 7/8" thick. The tubular latch has a standard 2 3/8" back set and a housing diameter of 1". The latch face plate measures 2 1/4" tall by 1" wide.

Passage Latch but no lock - The levere turn and operate a latch but there is no locking ability.

Typically found on interior doors that don't need to lock, or doors with a separate deadbolt.
2 Levers
2 Backplates
1 Passage Latch with matching face plate

I Matching strike plate Matching screws
All necessary mounting accessories Finish Polished Brass

DOOR HINGE GIT: 4 PER DOOR 4" Brass Ball-Tipped Door Hinge Solid extruded brass ball tip hinge measuring 4" by 4" and 1/8" in thickness. Pinish Polished Bress

3 3/4" SOLID BIRASS FANCY BASE DOOR STOP CopperSolid brass door stop with fancy turned base projecting 3 3/4". This door stop has a gray rubber tip. The base measures 1 3/8" in diameter.

Item Number: R-061H-13013X Pinish Polished Bress

DOOR BASIS OF DESIGN: 2 PANEL ENTRY DOOR AVAILABLE FROM: SOUTHERN FRONT 11234 JUNE ROAD WEST SUITE B HOUSTON, TEXAS 17065 281-890-5860

www.sales@southernfront.com

PRIVACY LOCK SET 92 Forged brass lever door set with rectangular backplates. Premium quality forged brass lever. Solid brass backplates measure T 1/4" tall by 2 1/2" wide and the levers are 4 5/8" in length. This set features heavy duty spring assisted levers and easy installation for modern doors. This set is designed for a door thickness between 1 3/16" and 1 7/8" thick. The tubular

Privacy
Latch and lock - this set is fully functional including a thumb-operated lock on one side. The lock can be opened from the other side using ti emergency release. Typically found on bedroom. bathroom doors. 2 Levers

2 Backplates I Privacy Latch with matching face plate I Matching strike plate All necessary mounting accessories
Finish Polished Brase

DOOR HINGE GIT: 4 PER DOOR 4" Brass Ball-Tipped Door Hinge Solid extruded brass ball tip hinge measuring 4" by 4" and 1/8" in thickness.

Phish Polished Brass

Premium quality forged brass handle set complet with coordinating interior. Lever style: Portafino Finish Polished Bress

and the solid cast brass doorknobe measure 2 3/8" in diameter. The mortise lock face plate measures 7 1/2" tall by 1" wide and the lock box measures 5 1/2" tall, 3/4" wide and recesses 3 1/2" into the door with a 2 1/2" backset. The latch has a standard 2 3/8" back set and a housing diameter of 1". The latch face plate strike plate measures 5" tall by 1 1/4" wide with the tongue projecting an additional 5/8". measures 2 1/4" tall by 1" wide. This set comes complete with a standard cylinder for doors from 1 3/8" to 1 3/4" thick and 2

This set is designed to fit doors from 1 3/8" to 1 3/4" thick. For doors 1 7/8" to 2 1/4" thick purchase 1 1/2" cylinder. For doors 2 3/8" to 2 3/4" thick purchase 1 3/4" cylinder.

ENRIPANCE MORTISE LOCK SET 9

10' by 2 3/4" New York style mortise lock entry set in unlacquered brass. The solid brass

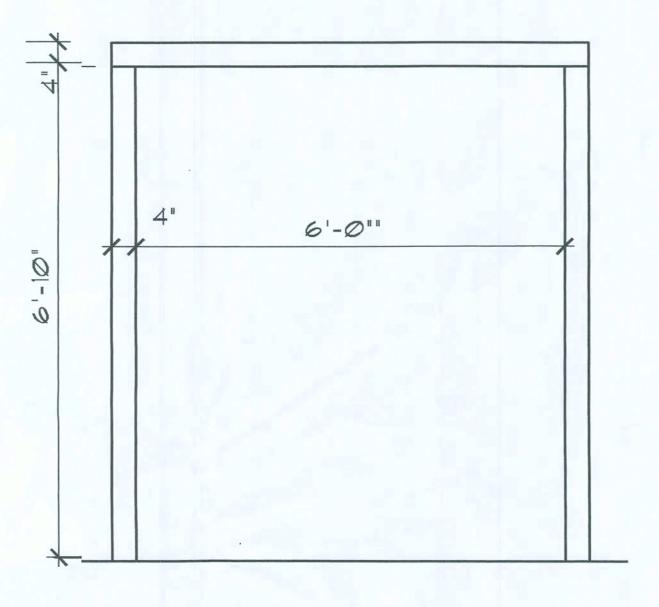
stamped plates measure 10" tall by 2 3/4" wide

Latch and lock - The door is opened by door knob on the exterior and on the interior. On the deadbolt, there is a keyed lock cylinder for use on the outside of the door while a thumb turn is used to lock the door on the interior. Backplate with door knob and cutout for lock cylinder

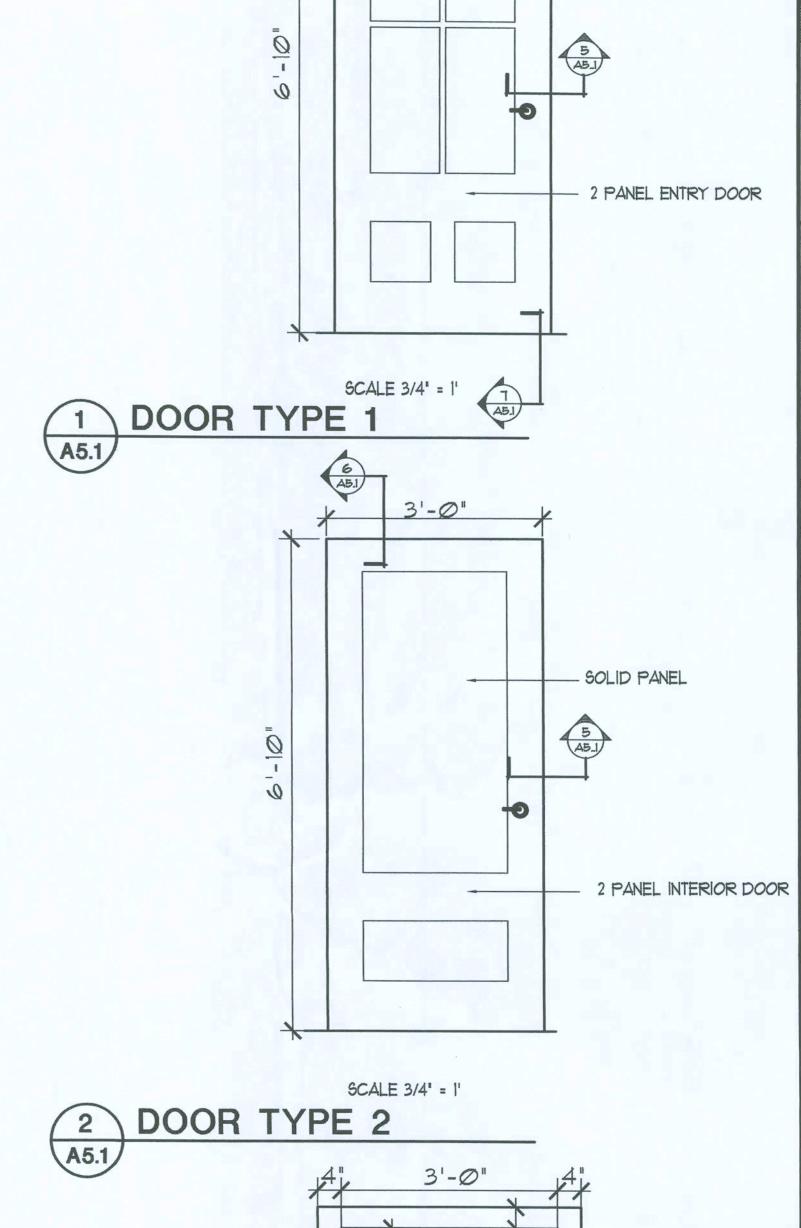
1 Backplate with door lever and thumbturn for locking 1 Entry mortise lock with keyed cylinder and two keys I Matching lock strike plate

All necessary mounting accessories
Phish Polished Brass LOCK CYLINDER Lock Cylinder 1 1/2" Length For Entry Mortise Solid Brass Lock Cylinder 1 1/2" Length For Entry Mortise. This cylinder comes with two keys and is un-lacquered brass. Item Number: R-01AA-L-1506 Finish Polished Bress

KICK PLATES Kick Plates Finish Polished Brass PRODUCTS AVAILABLE: HOUSE OF ANTIQUE HARDWARE www.houseofantiquehardware.com 888-223-2545







DIVIDED LIGHTS

ARCHITECTURE

AA 0003346

LANDSCAPE ARCHITICTURE LA 0001313

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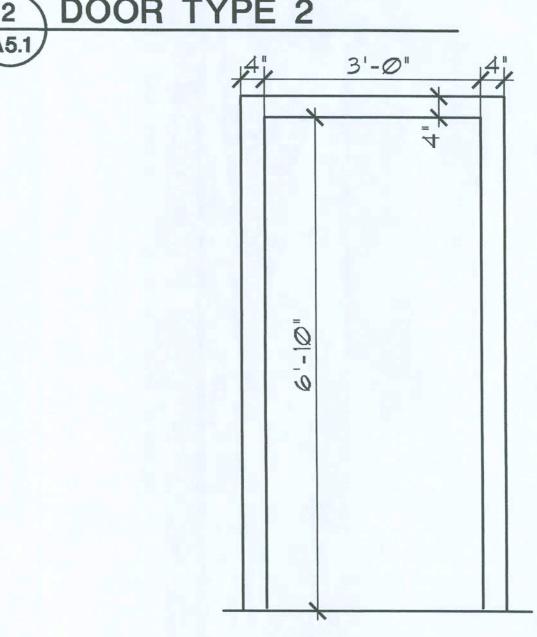
CONSULTANTS

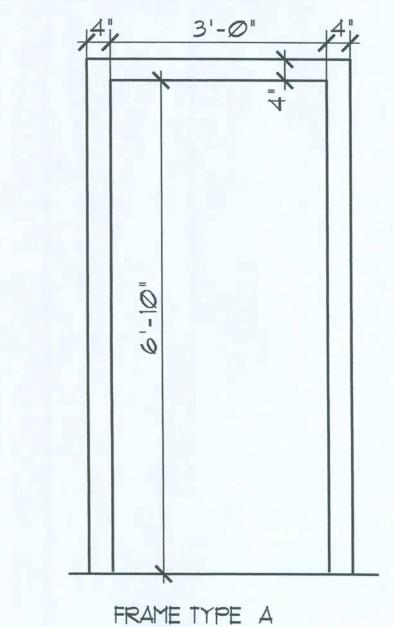
U

■ Ø8/24/Ø7

RMJ

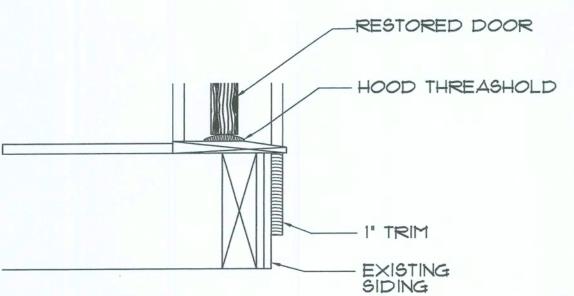
BDH



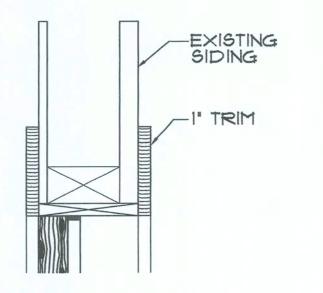


SCALE 3/4" = 1"

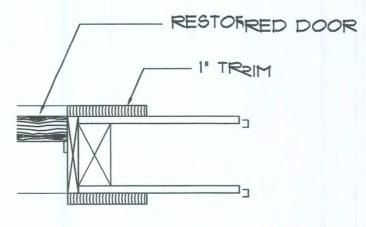
FRAME TYPE A5.1



DOOR THREASHOLD A5.1 SCALE NTS



DOOR HEAD A(1) SCALE NTS



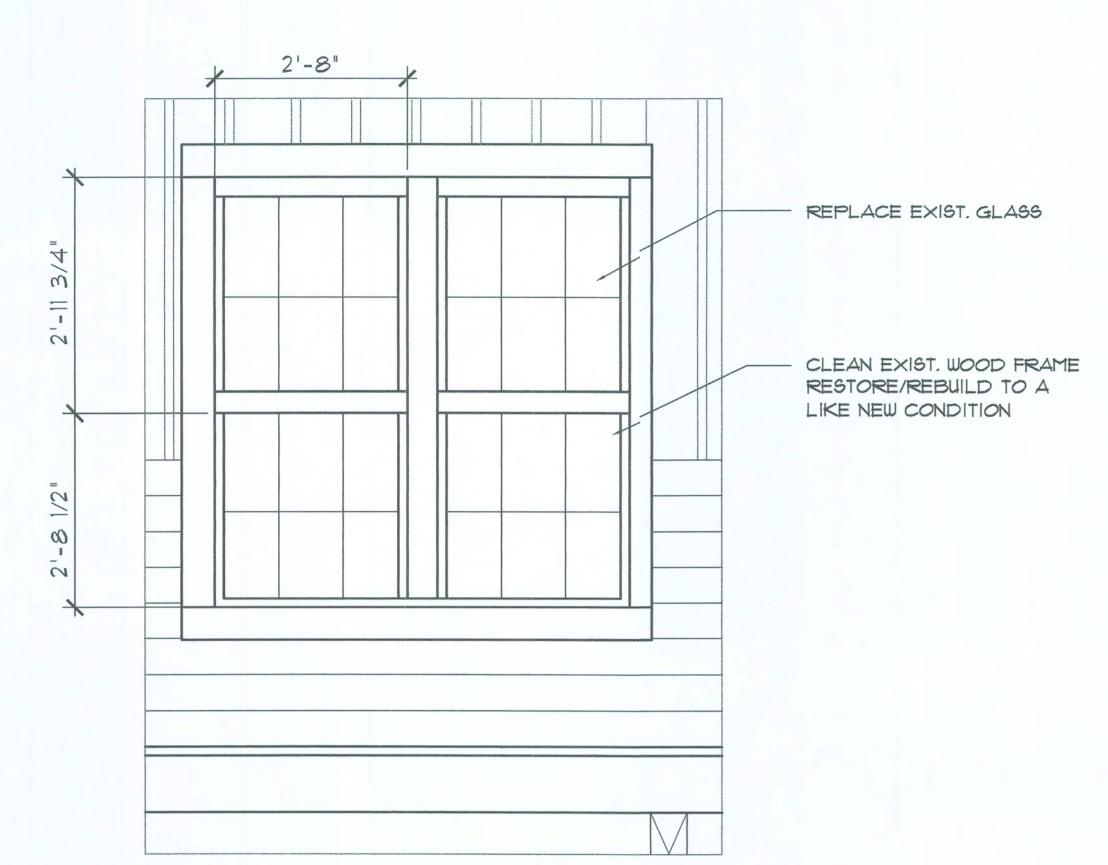
DOOR JAMB A5.1 SCALE NTS

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JOB NO. ■ 27Ø3

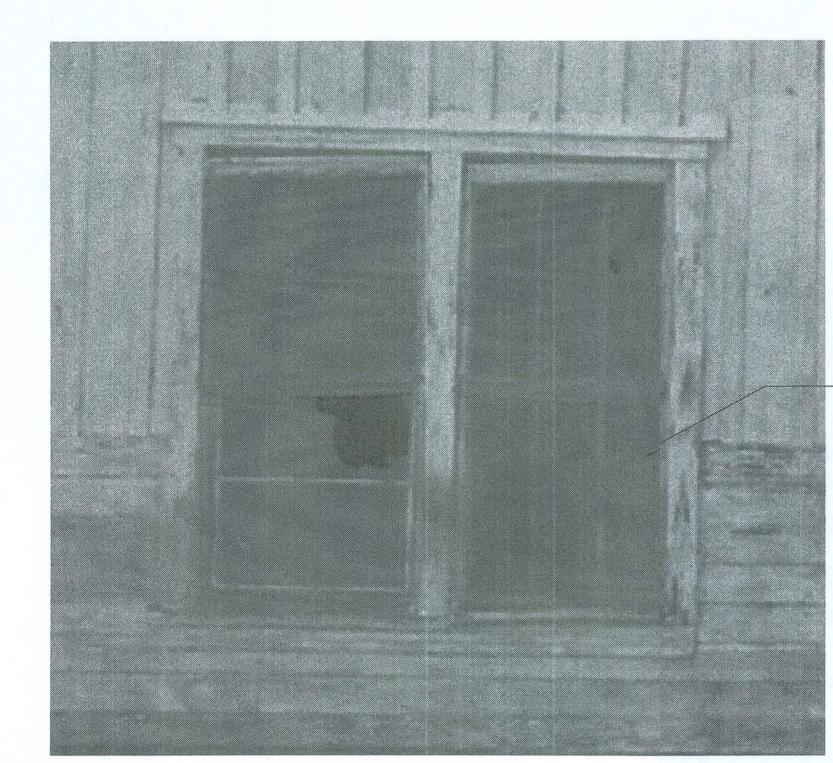
REVISIONS

CHECKED

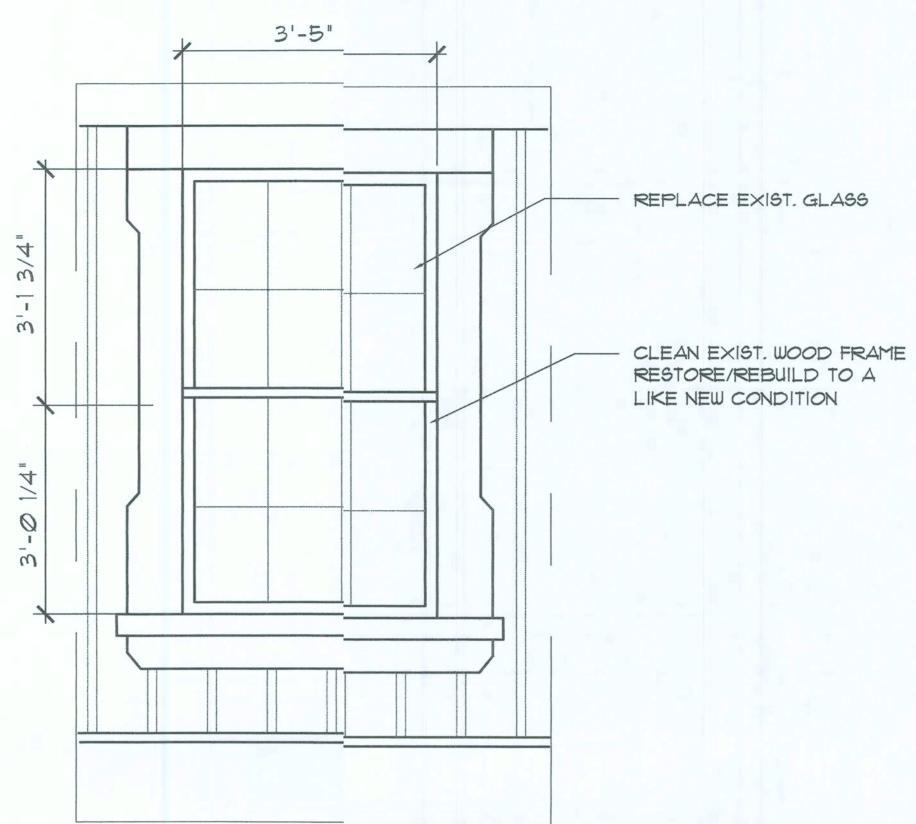


WINDOW 4 (W4) A6.1 SCALE 3/4"-1"-0"

CONTRACTOR SHALL VERIFY AS-BUILT CONDITION OF EACH WINDOW FOR DIMENSIONAL VARIATIONS.



WINDOW 4 PHOTO A6.1 N.T.S

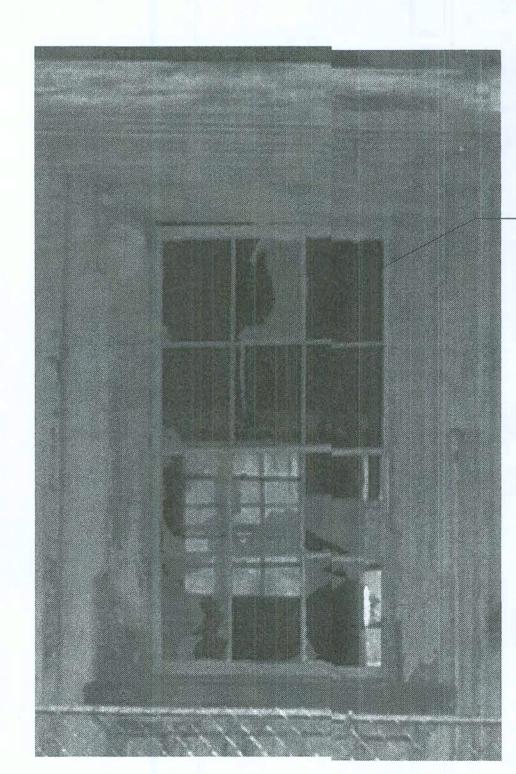


REPLACE EXISTING

GLASS (TYP)

WINDOW 66 (W6) A6.1 SCALE 3/4"-1'-0"

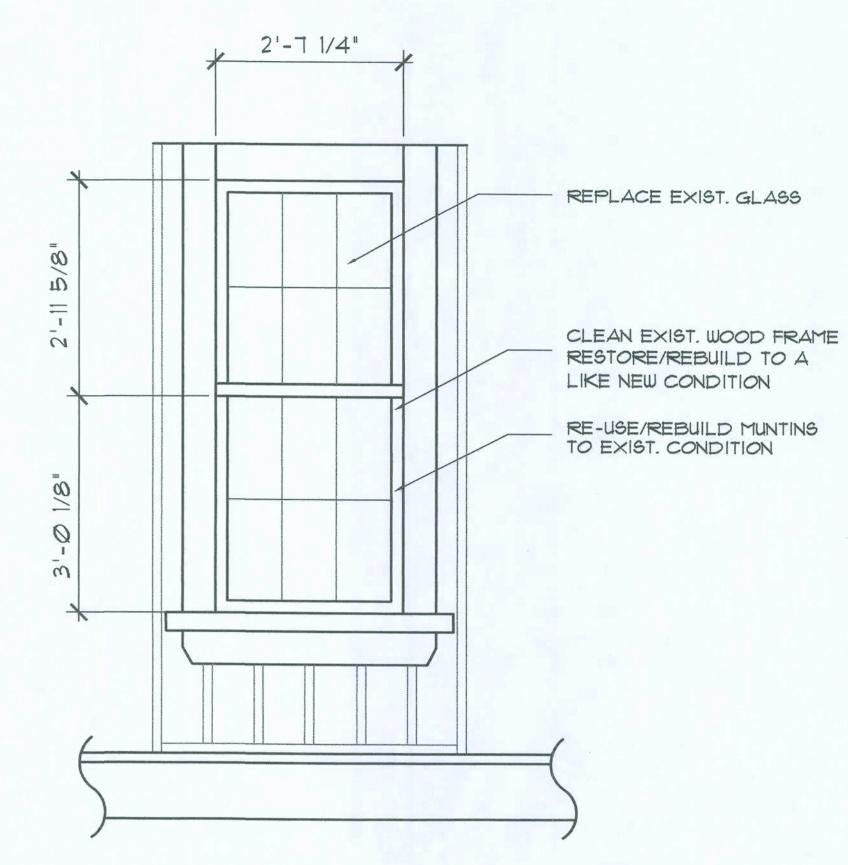
CONTRACTOR SHALL VERIFY ASS-BUILT CONDITION OF EACH WINDOW FOR DIMENSICONAL VARIATIONS.



REPLACE EXISTING

GLASS (TYP)

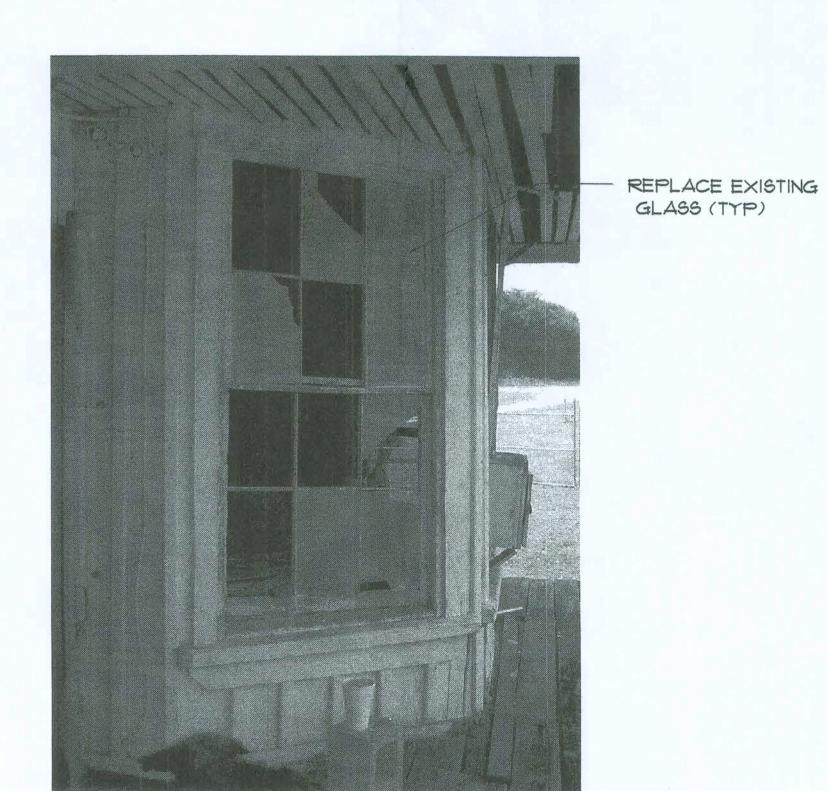
WINDOW 63 PHOTO 4 WII A6.1 N.T.S



A6.1 SCALE 3/4"-1"-0"

CONTRACTOR SHALL VERIFY AS-BUILT CONDITION OF EACH WINDOW FOR DIMENSIONAL VARIATIONS.

WINDOW 1 (W1)



WINDOW 1 PHOTO
A6.1 N.T.S



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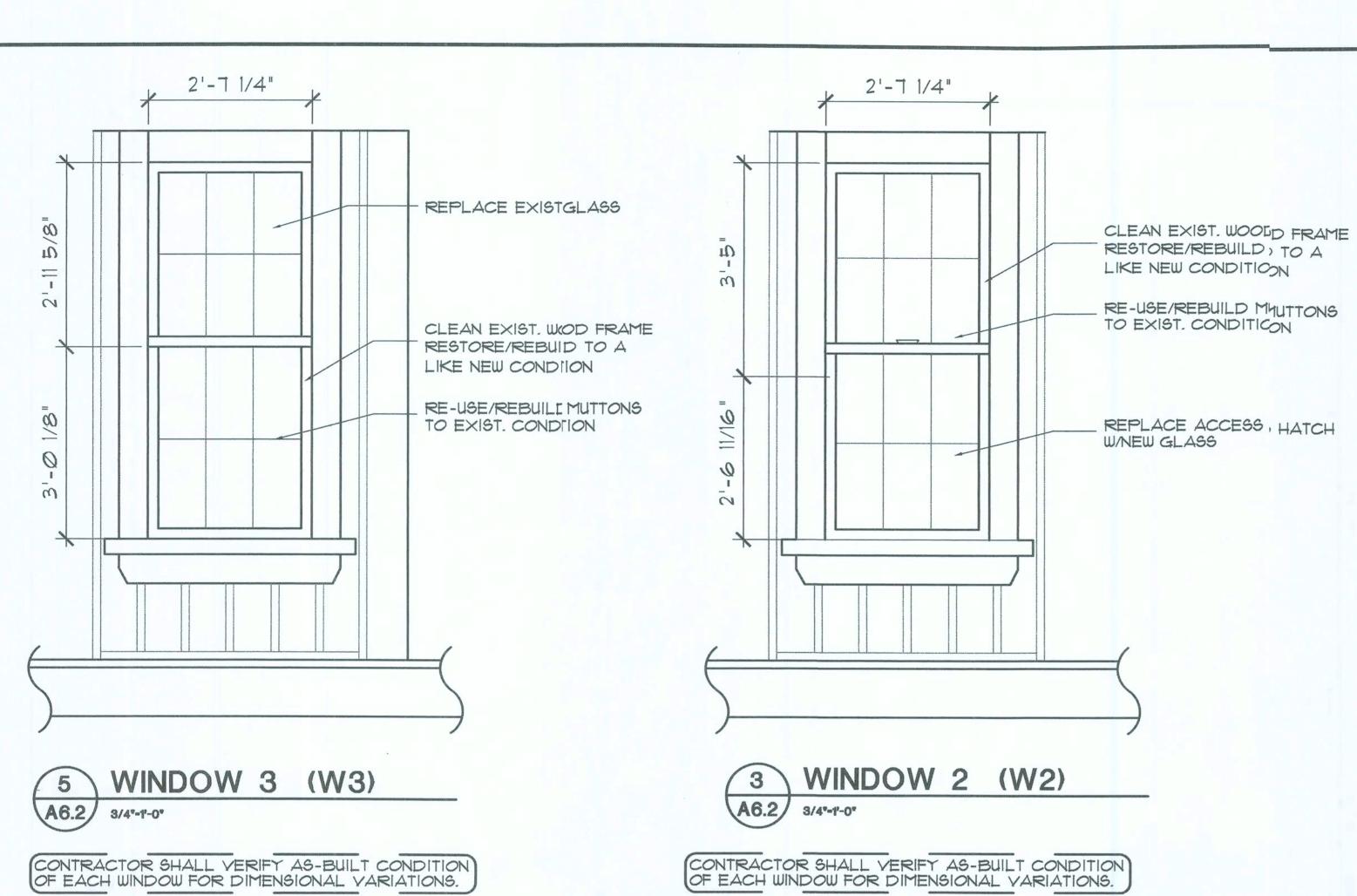
CONSULTANTS

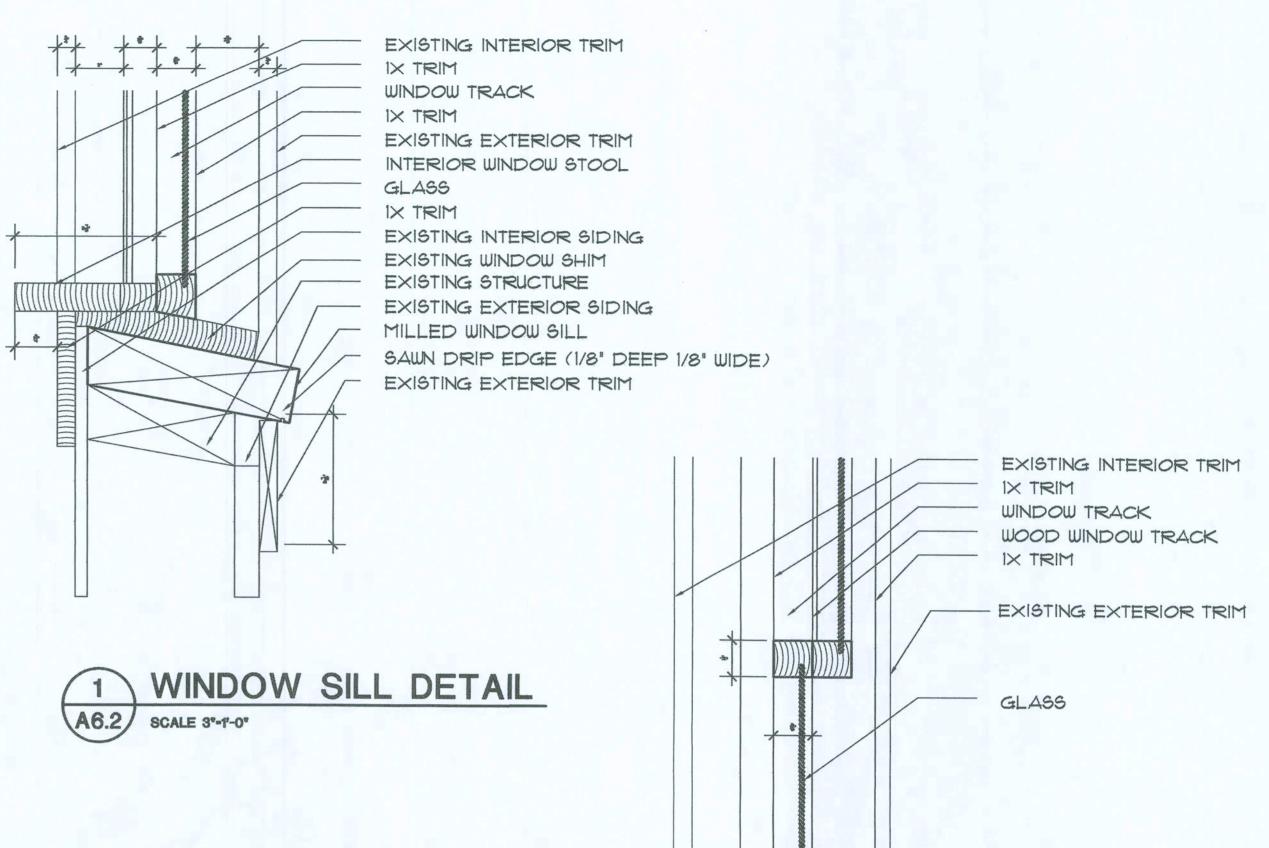
VISIONS		

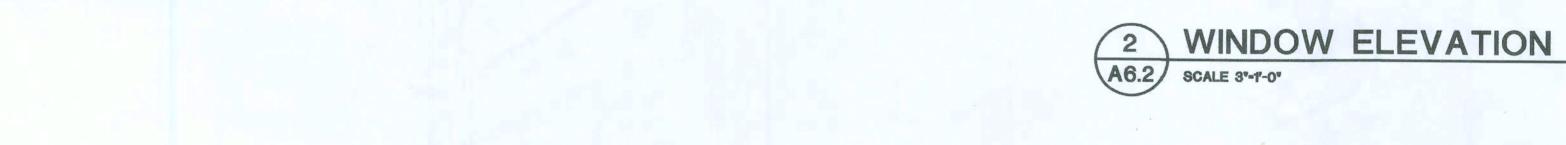
DRAWN RMJ CHECKED BDH JOB NO. 2703

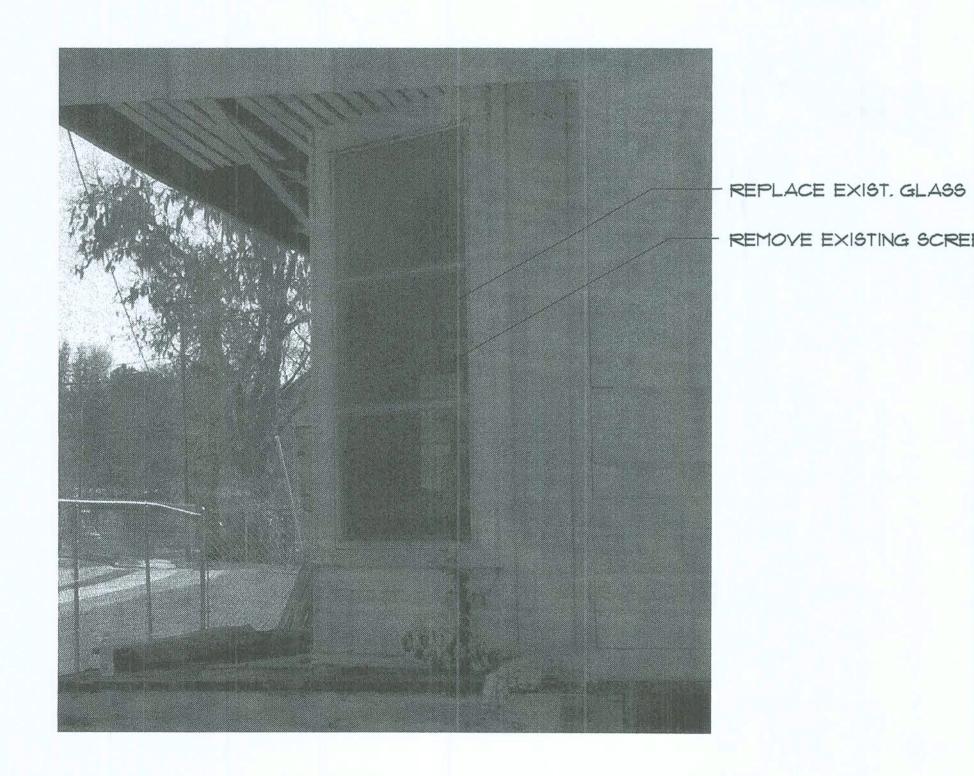
DRAWING

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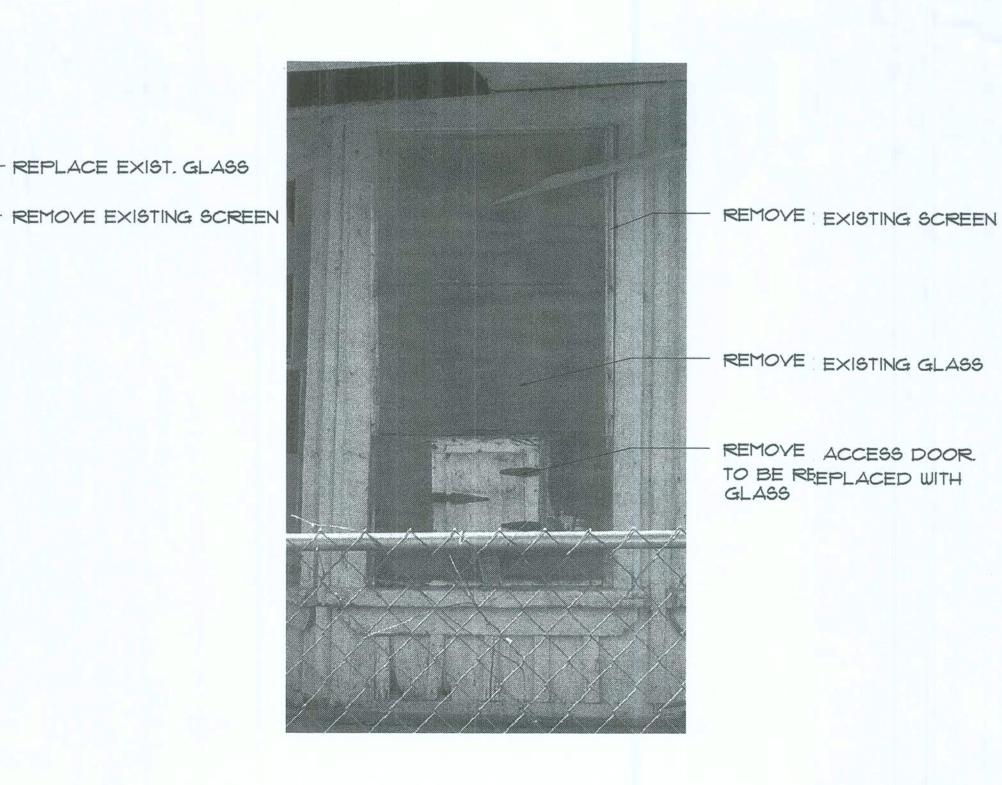












4 WINDOW 2 PHOTO
A6.2 N.T.S.

Window Schedule						
Symbol	Description	Size (w x h)	Remarks			
W1	DOUBLE-HUNG	2'-7 1/4" × 5'-11 1/4"				
W2	DOUBLE-HUNG	2'-7 1/4" × 5'-11 1/4"				
W3	DOUBLE-HUNG	2'-7 1/4" × 5'-11 1/4"				
W4	DOUBLE-HUNG	2'-8" × 5'-11 3/8"				
W6	DOUBLE-HUNG	3'-5" × 6'-2"				

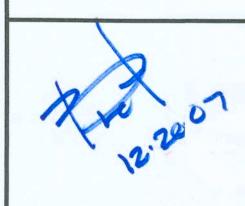
### GENERAL CONSTRUCTION NOTES:

### WINDOW

- REMOVE EXISTING GLASS WINDOW PANES. SALVAGE INTACT GLASS PANES FOR THE INSTALLATION AND RE-USE IN THE RESTORED WINDOWS.
- CAREFULLY REMOVE EXISTING WINDOW FRAME AND MUNTINS.
   CLEAN, RESTORE AND RE-BUILD TO A LIKE NEW CONDITION.
- 3. AS EXISTING WINDOWS ARE DIS-ASSEMBLED INSPECT ALL WOODWORK, WINDOW FRAMES AND SUB-STRATE FOR WOOD ROT AND INSECT DAMAGE. REPAIR ANY DAMAGED WOOD PRIOR TO THE INSTALLATION OF RESTORED WINDOWS.
- RE-PAINT WINDOW FRAMES PRIOR TO THE INSTALLATION OF GLASS.
   WHEN EVER POSSIBLE RE-USE SALVAGED GLASS TO RESTORE THE WINDOWS.

JIT E. PARK AVENUE TALLAHASSEE, FLORIDA 32301 850-222-0092 FHONE 850-222-0296 FAX
WHITE N DOCUMENTS HITE, FL

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JOB NO. ■ 2703

DRAWING A6.2

### MECHANICAL GENERAL SPECIFICATIONS

21. OMIT

1. THE WORK DESCRIBED HEREINAFTER SHALL BE INSTALLED SUBJECT TO THE NON TECHNICAL SPECIFICATIONS. THIS SECTION APPLIES TO ALL AIR CONDITIONING, SHEETMETAL, PIPING, AND AUTOMATIC TEMPERATURE CONTROLS WORK

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH THAT OF OTHER TRADES. SEE ARCHITECTURAL SECTIONS FOR A DESCRIPTION OF WORK AND SEQUENCE OF CONSTRUCTION. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC IN NATURE. THEY ARE, HOWEVER, AS ACCURATE AS SCALE PERMITS AND THE CONTRACTOR SHALL FOLLOW THEM AS CLOSELY AS POSSIBLE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL CONDITIONS RELATING TO THE WORK IN THE FIELD PRIOR TO PROCEEDING WITH THE WORK THE CONTRACTOR SHALL YERIFY ALL WALLS, PARTITIONS, AND STRUCTURAL SYSTEMS BEFORE INSTALLATION AND FABRICATION OF ANY DUCTWORK OR PIPING SYSTEMS. ALL OFFSETS REQUIRED FOR INSTALLATION OF DUCTWORK, OR PIPING SHALL BE INCLUDED IN THE SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER THE ENGINEER SHALL BE THE SOLE INTERPRETER OF THE DRAWINGS.

3. ALL MATERIALS SHALL BE NEW AND OF BEST QUALITY AND SHALL BE THE PRODUCTS OF REPUTABLE MANUFACTURERS. MATERIALS AND EQUIPMENT SHALL BE PROPERLY STORED AND PROTECTED FROM THE WEATHER AT ALL TIMES DURING CONSTRUCTION TO PREVENT UNNECESSARY CORROSION AND FOULING. ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER BY SKILLED AND COMPETENT MECHANICS. ANY WORKER CONSIDERED INCOMPETENT OR UNFIT FOR WORK ON THIS CONSTRUCTION PROJECT SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR UNDER THE DIRECTION OF THE ENGINEER

4. THE WORK SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS, ORDINANCES, ETC., WHETHER FEDERAL, STATE OR LOCAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ANY PERMITS AND PAYING ANY FEES REQUIRED IN ORDER TO PROCEED WITH THE WORK

5. THE CONTRACTOR IS REQUIRED TO ATTEND ALL CONSTRUCTION CONFERENCES INCLUDING THE PRE-BID CONFERENCE, THE PRE-CONSTRUCTION CONFERENCE AND THE OWNER'S PROGRESS MEETINGS AS SCHEDULED BY THE ARCHITECT OR THE OWNER. FAILURE TO MAKE REFERENCES IN THE SPECIFICATIONS TO ANY ITEMS OF THE WORK SHOWN BY THE DRAWINGS, AND NECESSARY TO THE COMPLETION OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY TO FURNISH THE MATERIALS AND PERFORM THE WORK OF SUCH ITEMS, IN A MANNER COMPARABLE TO OTHER ITEMS OF SIMILAR NATURE FOR WHICH DETAILED SPECIFICATIONS ARE INCLUDED. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO CLEARLY SET FORTH ALL WORK, AND THE DETAILED DESCRIPTION IS ADDED TO ASSIST IN ESTABLISHING THE SCOPE AND THE LOCATION OF THE SEVERAL PARTS OF THE WORK, COLLECTIVELY, THEY SHALL GOVERN AND CONTROL THE SCOPE, CHARACTER AND DESIGN OF THE WORK, AND ANY ITEM CALLED FOR IN ANY ONE OF THE DOCUMENTS SHALL BE AS THOUGH REQUIRED IN

6. ALL CUTTING AND PATCHING SHALL BE DONE BY WORKMEN SKILLED IN THE TRADES INVOLVED. ALL CUTTING SHALL BE DONE IN SUCH A MANNER AS NOT TO ENDANGER OR DAMAGE FACILITIES. ALL PATCHING SHALL FINISH FLUSH AND SMOOTH AND SHALL MATCH EXISTING ADJOINING SURFACES.

7. SEE GENERAL REQUIREMENTS FOR ELECTRICITY AND WATER GAS WILL BE SUPPLIED BY THE OWNER FOR TESTING AND OPERATION DURING CONSTRUCTION AND UNTIL THE OWNER ACCEPTS THE SYSTEM. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL FUEL REQUIRED FOR THE OPERATION OF HIS CONSTRUCTION EQUIPMENT.

8. ALL FINISHED FIELD INSTALLED PRESSURE PIPING SYSTEMS SHALL BE TESTED.

9. WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, SCAFFOLDING, SERVICES, SUPERVISION, PLANT, AND PERFORMING ALL OPERATIONS REQUIRED TO PROPERLY COMPLETE ALL WORK IN ACCORDANCE WITH THESE SPECIFICATIONS AND AS INDICATED ON THE APPLICABLE DRAWINGS, SUBJECT TO TERMS AND CONDITIONS OF THE CONTRACT. THE CONTRACTOR IS REQUIRED TO HAVE A QUALIFIED AND EXPERIENCED GENERAL SUPERINTENDENT AND EXPERIENCED SUPERINTENDENT FOR EACH TRADE

INVOLVED ON THISE JOB WHEN ANY WORK IS IN PROGRESS. ALL WORK SHALL CONFORM WITH ALL LOCAL AND STATE ORDINANCES OR REGULATIONS GOVERNING THE INSTALLATION OFF SUCH EQUIPMENT. IF WORK, AS LAID OUT, INDICATED OR STOPECIFIED IS RECOGNIZED TO BE CONTRARY TO OR CONFLICTITING WITH LOCAL ORDINANCES OR REGULATIONS, THIS CONTRACTOR SHALL REPORT SAME TO THE ENGINEER BEFORE SUBMITTING A BID. THE ENGINEER WILL THEN ISSUE INSTRUCTIONS AS TO PROCEDURE. IF CONTRACTOR FALILS TO NOTIFY THE ENGINEER OF CONFLICTS OR OMISSIONS NOOTED ABOVE, ALL CHANGES REQUIRED TO COMPLY WITH ORRDINANCES AND REGULATIONS SHALL BE MADE WITHOUT ALADDITIONAL EXPENSE TO THE OWNER

10. THE LATEST EEDITIONS OF THE ESTABLISHED STANDARDS OF THE FOLLOWITING ORGANIZATIONS, AND INDIVIDUAL STANDARDS NAMMED SHALL BE FOLLOWED THE SAME AS IF THEY WERE FULL Y WRITTEN HEREIN AND CONSTITUTE A PART OF THE SPECIFIC CATION REQUIREMENTS EXCEPT WHERE OTHERWISE SPECCIFIED:

1. FLORIDA BUILDOING CODE, 2004 EDITION, 2005 REVISIONS, 2006 REVISIONS. 2. FLORIDA PLUMMBING CODE, 2004 EDITION, 2005 REVISIONS, 2006 REVISIONS a

3. FLORIDA MECHHANICAL CODE, 2004 EDITION, 2005 REVISION, 2006 F REVISIONS 4. NFPA TO, NATIGONAL ELECTRICAL CODE 5. NFPA 101, LIFE SAFETY CODE 6. NFPA 90A, STAANDARD FOR THE INSTALLATION OF AIR CONDITIONING ANNO VENTILATION SYSTEMS 7. NFPA 91, STANDDARD FOR THE INSTALLATION OF BLOWER AND EXHAUST STYSTEMS 8. OCCUPATIONALL SAFETY AND HEALTH ADMINISTRATION REGULATIONS.

9. OMIT 10. OMIT II. OMIT

> THE FOREGOING F RULES, STANDARDS, REGULATIONS, SPECIFICATIONS, RECOMMENDATIONS AND REQUIREMENTS SHALL BE FOLLOOWED BY THE CONTRACTOR AS MINIMUM REQUIREMENTS. THEY SHALL NOT RELIEVE THE CONTRACTOR FROM FURNISHINGS AND INSTALLING HIGHER GRADES OF MATERIALS AND WORKMANSHIP WHICH ARE SPECIFIED HEREIN OR INDICCATED ON THE DRAWINGS.

11. THE INTERIOR FFACE OF DUCTWORK HOUSING SUPPLY, RETURN OR EXICHAUST AIR DIFFUSERS, REGISTERS OR GRILLES SHALL E BE PAINTED "FLAT-BLACK" SO WHEN VIEWED FROM BELOW AND ABOVE NOTHING BEYOND SURFACE OF AIR DEVICE IS VIVISIBLE.

12. THERMOSTAT/SISENSOR WIRING TO BE RUN INSIDE WALLS/COLUMNS ( OR IN ATTIC SPACE. THE USE OF WIREMOLD OR EXTERNAL RRACEWAY SHALL BE APPROVED BY THE

13. A COMPLETE C CERTIFIED TEST AND BALANCE REPORT SHALL BE SUPPLLIED BY AN INDEPENDENT CERTIFIED TEST AND BALANCE FAGENCY TO THE ENGINEER IN WRITING PER AABC TEST AND | BALANCE REPORT MANUAL (LATEST EDITION) PRIOR & TO JOB ACCEPTANCE BY OWNER THE REPORT SHALL EBE SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE E STATE OF FLORIDA.

14. THE SUBMISSIOON OF A BID OR PROPOSAL WILL BE CONSTRUED AS EEVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HILIMSELF/HERSELF WITH THE PLANS, SPECIFICATIONS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO 1 THE PROPOSAL FOR MATERIALS AND OR LABOR DUE TO I DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED, UNLILESS DIFFICULTIES COULD NOT HAVE BEEN FORESEEN EVEN I THOUGH PROPER EXAMINATION HAD BEEN

15. ALL POWER WIJIRING, RELAYS, PANELS, TRANSFORMERS, DISCONNECT SWITITCHES FOR HVAC EQUIPMENT SHALL BE FURNISHED AND , INSTALLED BY THE ELECTRICAL CONTRACTOR AIALL CONTROL WIRING, RELAYS, PANELS SENSORS (OR THEIRMOSTATS) SHALL BE FURNISHED AND INSTALLED BY THHE HVAC CONTRACTOR ALL MOTOR STARTERS SHALL BE FURNISHED BY THE HVAC CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR

16. ALL DUCTS TOO HAVE AIR EXTRACTORS (ADJUSTABLE TYPE) ON SQUARGE OR RECTANGULAR TAKEOFFS WITH SPIN-IN VOLUME DAMPERES ON ROUND OR OVAL TAKE-OFFS. SPIRAL DUCT TAKE-OFFS 3 HAVE NO EXTRACTORS INSTALL FLEXIBLE DUCT CONNECTOBRE AT ALL FANS AND AIR HANDLING UNITS.

17. FLEXIBLE DUCTS MUST COMPLY WITH UL ISI AND SHALL NOT EXCEED EIGHT FEET IN LENGTH: REMAINING BRANCH LINE SHALL BE GALVANIZED METAL WITH 2" EXTERNAL INSULATION. FLEXIBLE DUCTS SHALL HAVE FOIL BACKING

18. ANY CONDENSATION ON SURFACES OF HVAC EQUIPMENT, DUCTWORK OR PIPING WILL BE CORRECTED BY THE CONTRACTOR WRAP WITH INSULATING TAPE OR EXTERNAL INSULATION HAVING A VAPOR BARRIER

19. INSULATION OUTSIDE OF THE BUILDING SHALL BE WRAPPED WITH ALUMINUM. ALL SUPPLY, RETURN, EXHAUST AND FRESH AIR DUCTS SHALL BE GALVANIZED METAL, COMPLETELY SEALED, FINISHED WITH 2" EXTERNAL INSULATION HAVING VAPOR, RETARDING JACKET (FSK TYPE). INSULATION SHALL COMPLY WITH UL ISI AND MUST HAVE FLAME SPREAD RATING OF 25 AND A SMOKE DEVELOPED RATING NO HIGHER THAN 50.

20. ROOM SENSORS OR THERMOSTATS SHALL BE MOUNTED AT 48 INCHES ABOVE FINISHED FLOOR

22, SMOKE DETECTORS (SEE DRAWINGS) SHALL BE IONIZATION TYPE AS APPROVED BY THE ENGINEER. COORDINATE THE INSTALLATION WITH THE ELECTRICAL CONTRACTOR CONTRACTOR SHALL VERIFY THAT DETECTORS ARE COMPATIBLE WITH FIRE ALARM SYSTEMS. IF UNIT SELECTION IS NOT COMPATIBLE THE CONTRACTOR SHALL PURCHASE AND INSTALL PROPER UNIT TO INSURE LIFE SAFETY PROTECTION. SMOKE DETECTORS SHALL AUTOMATICALLY SOUND AUDIBLE ALARM AND TURNOFF

23. FURNISH AND INSTALL ACCESS DOORS(18"x18" MINIMUM) IN ALL DRYWALL CEILINGS FOR ACCESS TO MECHANICAL

24. COORDINATE THE INSTALLATION OF ALL AUX. COND. DRAINS LOCATED IN WALLS WITH THE GENERAL CONTRACTOR COORDINATE THE INSTALLATION OF ALL MAIN COND. DRAINS LOCATED IN WALLS AND CHASES WITH THE PLUMBING CONTRACTOR

25. THE CONTRACTOR SHALL NOT FABRICATE ANY AIR DISTRIBUTION DUCTWORK UNTIL IT HAS BEEN VERIFIED THAT SUFFICIENT CLEARANCES ARE AVAILABLE FOR THE INSTALLATION OF HYAC SYSTEMS CONSIDERING REQUIREMENTS FOR PIPING, LIGHT FIXTURES, CEILING SYSTEMS, FLOOR SYSTEMS, FOUNDATIONS, AND STRUCTURES. IF A CONFLICT ARISES CONTACT THE ENGINEER FOR PERMISSION IT REPOUTE SYSTEM. ALL DUCTWORK SHALL BE ROUTED AT THE EXPENSE OF THE CONTRACTOR

26. DEVIATION FROM MATERIALS, METHODS, AND PROCEDURES SET FORTH HEREIN MUST BE APPROVED IN WRITING BY THE ENGINEER APPROVAL WILL NOT BE GIVEN UNLESS THE ENGINEER IS SATISFIED THAT THE PROPOSED SYSTEMS ARE SUPERIOR IN PERFORMANCE, DURABILITY, LONGEVITY, AND RELIABILITY TO THAT SPECIFIED.

27. APPROVALS OF EQUIPMENT OR SYSTEMS OTHER THAN THAT SHOWN MUST BE WITHIN TEN (10) WORKING DAYS PRIOR TO BID DATE.

28. ALL DUCT AND PIPE SIZES SHOWN ARE CLEAR NET INSIDE DIMENSIONS.

29. ALL AIR DISTRIBUTION DUCTWORK SHALL BE AIR TIGHT AND FREE OF LEAKS, AND SHALL BE INSPECTED FOR LEAKS PRIOR TO INSTALLATION OF FAN UNITS OR FINISHED FLOOR/CEILING SYSTEM. DUCTWORK SHALL BE SEALED WITH AIR DUCT SEALER PER SMACNA STANDARDS AND UL RATING.

30. EQUIPMENT, DUCTWORK, DAMPERS, LOUYERS, GRILLES, REGISTERS, DIFFUSERS, OTHER AIR DISTRIBUTIONS EQUIPMENT AND MATERIALS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING:

(A) ASHRAE (B) SBCCI

(C) SMACNA

(D) NFPA

(E) AMCA STANDARD HANDBOOK 99 (F) AIR DIFFUSION COUNCIL TEST CODE 1062R3

(G) SBCCI STANDARD MECHANICAL CODE

(J) ASME (K) AGA

(L) UL FIRE RESISTANCE DIRECTORY

31. INSULATE ALL REFRIGERANT LINES WITH 3/4" ARMAFLEX OR EQUIVALENT INSULATION: PROVIDE WITH WEATHERPROOF ALUMINUM JACKET ON LINES OUTSIDE.

32. ALL MATERIALS SHALL BE LISTED BY THE UNDERWRITERS LABORATORIES (UL) OR NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).

33. REFRIGERANT PIPING SHALL BE SIZED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR LIQUID, VAPOR HORIZONTAL AND

34. TUBING SHALL BE INSTALLED WITH MOISTURE INDICATOR SIGHT GLASS LOCATED IN THE LIQUID LINE ADJACENT TO THE

35. THOROUGHLY CLEAN REFRIGERANT PIPE FITTINGS BEFORE ASSEMBLY. ALL JOINTS ARE TO BE MADE WITH SILVER ALLOY BRAZE MELTING ABOVE 1100 DEGREES F. NO ACID FLUX IS TO BE USED ON ANY JOINT.

36. ALL CONDENSATE DRAINS SHALL TERMINATE INTO ROOF GUTTER SECURE TO ROOF SEAMS WITH APPROVED CLIP.

37. ALL WORK AND MATERIALS SHALL BE WARRANTED (PARTS AND LABOR) FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER AN ADDITIONAL WARRANTY (PARTS ONLY) SHALL INCLUDE 4 YEARS ON ALL COMPRESSORS, WITH NINE YEARS ON ALL HEAT EXCHANGERS.

38. CONTRACTOR SHALL SUPPLY, TO THE ENGINEER, 6 SETS OF SUBMITTALS ON THE FOLLOWING ITEMS:

A. AIR DISTRIBUTION (DIFFUSER, GRILLE AND REGISTERS) B. HEATING/AIR CONDITIONING EQUIPMENT DAMPERS

FANS INSULATION MATERIALS

CONTROLS G. PIPING

NOTE: THESE ITEMS MUST BE APPROVED BY THE ENGINEER PRIOR TO CONTRACTOR ORDERING.

39. OMIT 40. ALL FEES, PERMITS, TAPS, LICENSE, INSURANCE, AND

BONDS SHALL BE PAID BY THIS CONTRACTOR FOR ALL RELATED WORK

42. ROUTE REFRIGERANT PIPING AS SHOWN ON DRAWINGS. MANUFACTURE TO SIZE REFRIGERANT PIPING.

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ARCHITECTURE

LANDSCAPE ARCHITECTURE IA 0001313

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TALLAHASSEE, FLORIDA 32301

850-222-2092 PHOVE

CONSULTANTS

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■ 08/24/07

DRAWN RPW CHECKED JOB NO. **■** 2703

> MECHANICAL NOTES AND LEGEND

Winton Engineering, P.A. Robin Winton, P.E. 1218 Les Ave Suite A TALLAHA66EE, FL 323@3 85@-83-5376 FL 56206

DRAWING

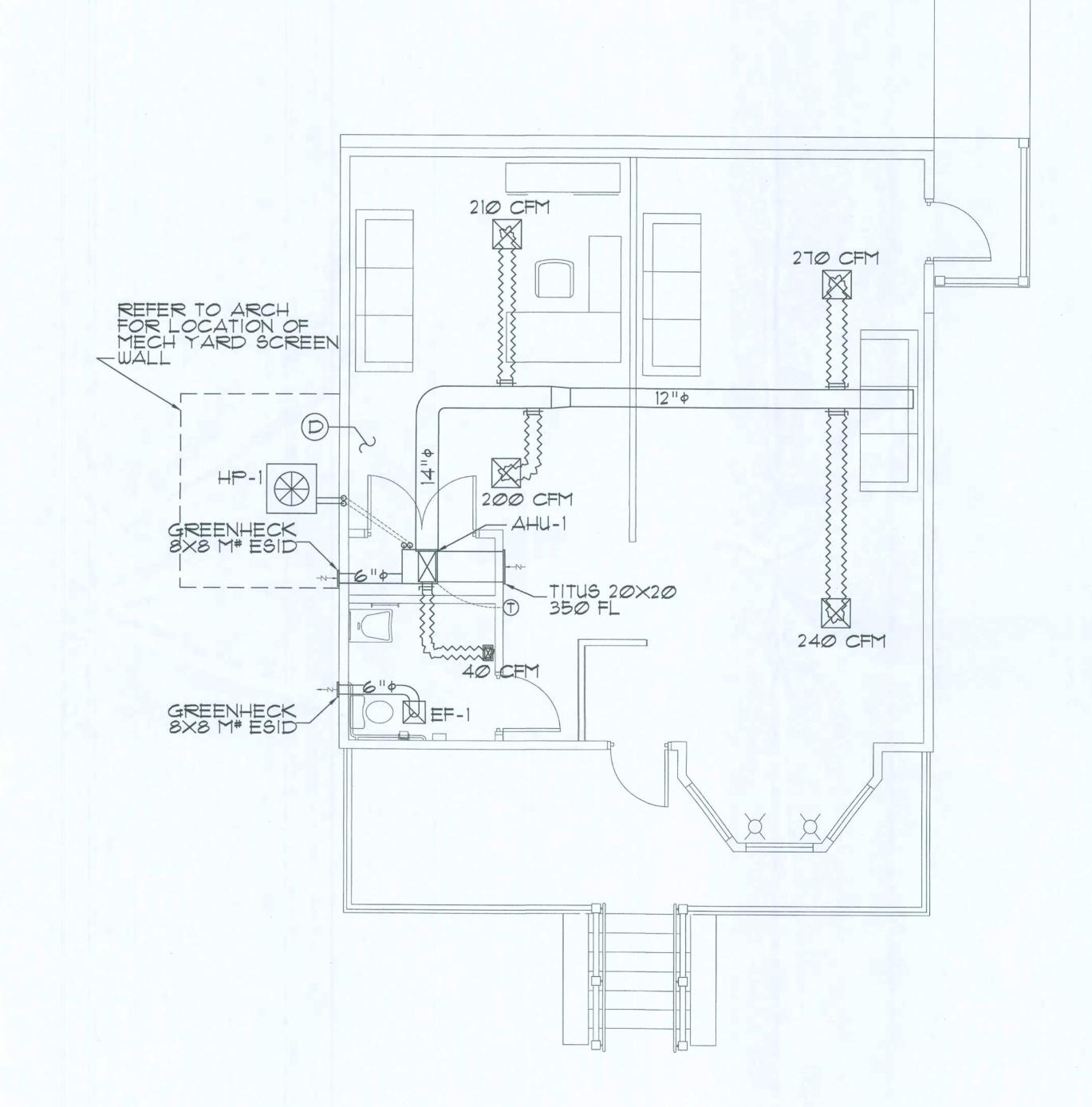
	AIR QUANTITY	NECK SIZE	RUNOUT	FACE DIMENSION	
YMBOL			DUCT SIZE	HARD CEILING	LAY-IN CEILING
$\boxtimes$	0-60	6"4	8"4	12 × 12	24 × 24
$\boxtimes$	65 - 150	8"4	8114	16 × 16	24 × 24
$\boxtimes$	155 - 195	8"?	10"4	16 × 16	24 × 24
$\boxtimes$	200 - 250	10"4	10"0	20 × 20	24 × 24
$\boxtimes$	255 - 395	10"4	12"0	20 × 20	24 × 24
$\boxtimes$	400 - 550	12"4	12"¢	24 × 24	24 × 24
$\boxtimes$	555 - 595	12"4	14"4	24 × 24	24 × 24
$\boxtimes$	600 - 745	14"4	14"0	24 × 24	24 × 24
$\boxtimes$	750 - 1000	16"4	16"4	30 × 30	30 × 30

1000		RETURN EGISTER S	
SYMBOL	CFM	SIZE	RUNOUT SIZE .
	0 - 75	8×6	10 × 6
	<i>80</i> - 1 <i>0</i> 5	10 × 6	12 × 6
	110 - 175	10 × 10	12 × 8
	180 - 270	12 × 12	14 × 8
	275 - 325	18 × 12	20 × 8
	330 - 800	24 × 24	26 × 10
	805 - 1200	24 × 24	26 × 12
	1205 - 1500	24 × 24	26 × 14

THESE SIZES ARE TO BE USED UNLESS OTHERWISE NOTED ON DRAWINGS.

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### MECHANICAL LEGEND RECTANGULAR DUJUCT. RETURN, EXHAUST DUCT A 18 BROKEN TO SHOW DUCT B 20×12 INSIDE DIMENSIONING OR O/A DUCT WIDTH BY HEIGHT T 2Øx12 END SECTION BELOW. FIRE DAMPER, A DUCT A RUNS SUPPLY AIR DIFFUSER 2 HOUR RATING M BELOW DUCT PLAN YIEW RECTANGULAR DUSUCT DUCT A CONTINUES ON ELBOW WITH YANELES. RETURN AIR GRILLE DOUBLE WIDTH PLAN VIEW ANOTHER DRAWING. SEE ROUND SHEET METETAL KEYNOTE. RECTANGULAR DUCT, DUCT TAKEOFF TRANSITION WITH SPIN-IN FITTINING AND MANUAL DAMMPER 24" RD. DRYWELL FOR CONDENSATE DRAIN (D) SUPPLY AIR DUCT-END SECTION ROOM THERMOSTAT (MOUNTED 48" AFF) (TX) BALANCING DAMPER



MECHANICAL FLOOR PLAN SCALE: 1/4"=1"

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ARCHITECTURE AA 0003346 LANDSCAPE ARCHITECTURE LA 0001313

317 E. PARK AVEJUE TALLAHASSEE, FLORIDA 32301 850-222-2092 PHONE 850-222-0296 FAX



CONSULTANTS

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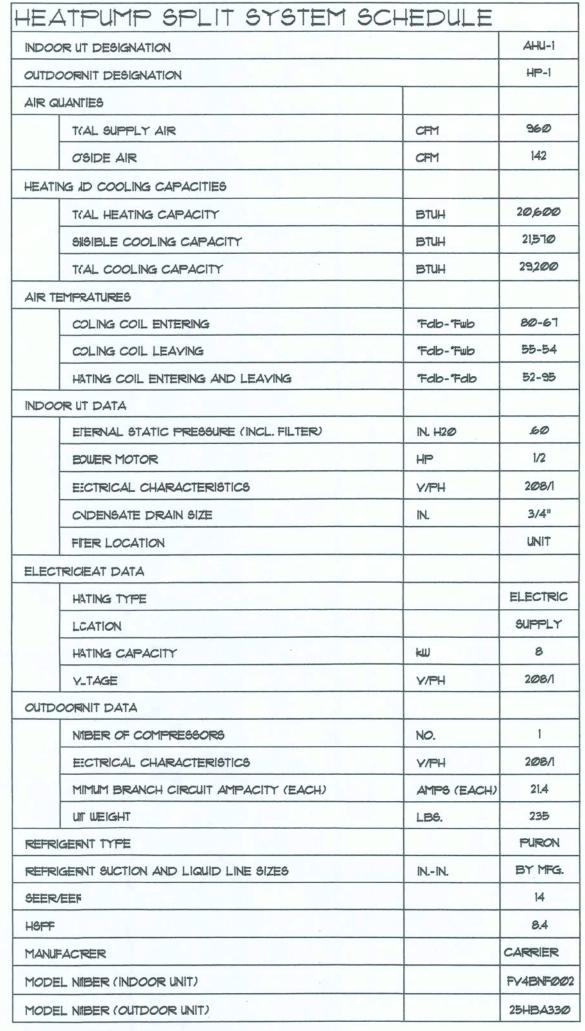
**REVISIONS** 

**08/24/07** DATE JCP

DRAWN CHECKED ■ RPV JOB NO. ■ 27C3

MECHANICAL FLOOR PLAN

Winton Engineering, P.A.
Robin Winton, P.E.
1218 Lee Ave Suite A
TALLAHASSEE, FL 32303 2500094-5376
FL 96206



NOTES: SEE DETAIL

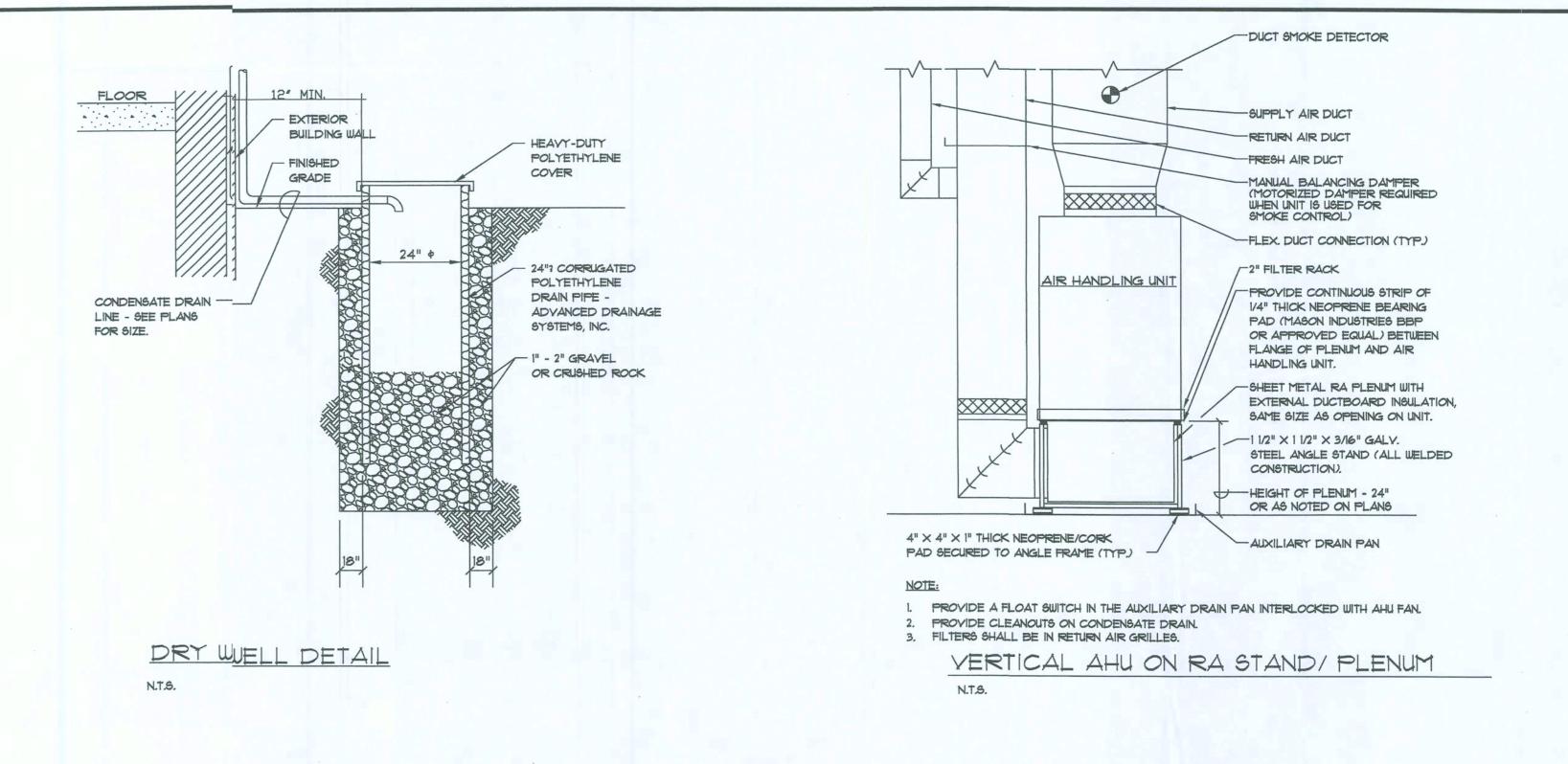
PROVIDE SINGLE POINT ELECTRICAL FOR AHU

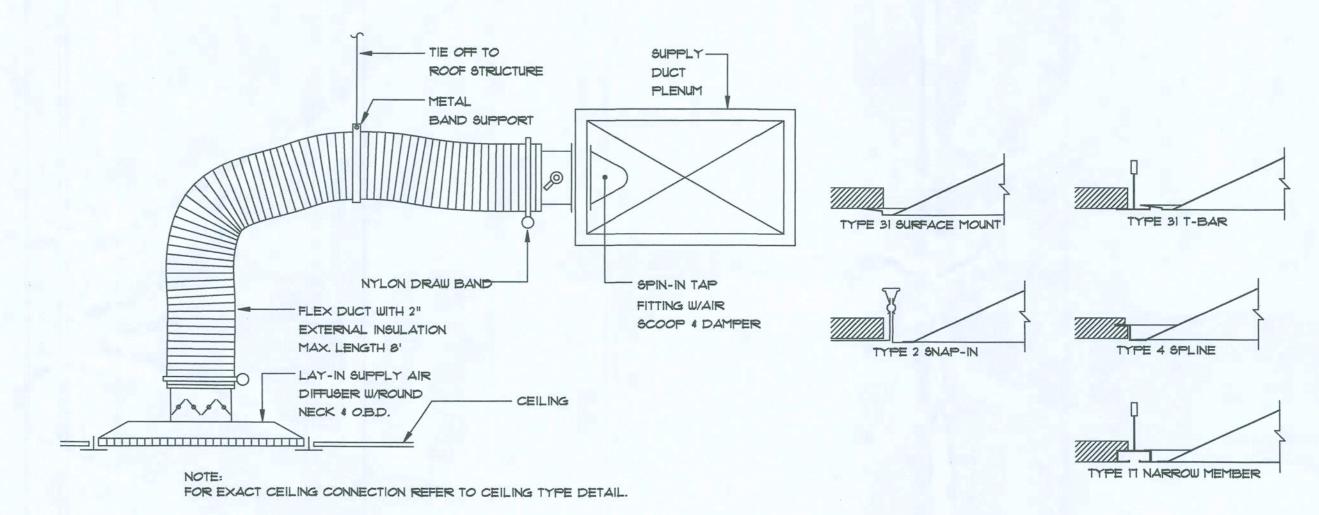
CONDENSING UNITS TO BE MOUNTED ON 4" PAD.

AHU'S TO HAVE 2" PLEATED MEDIA FILTERS.

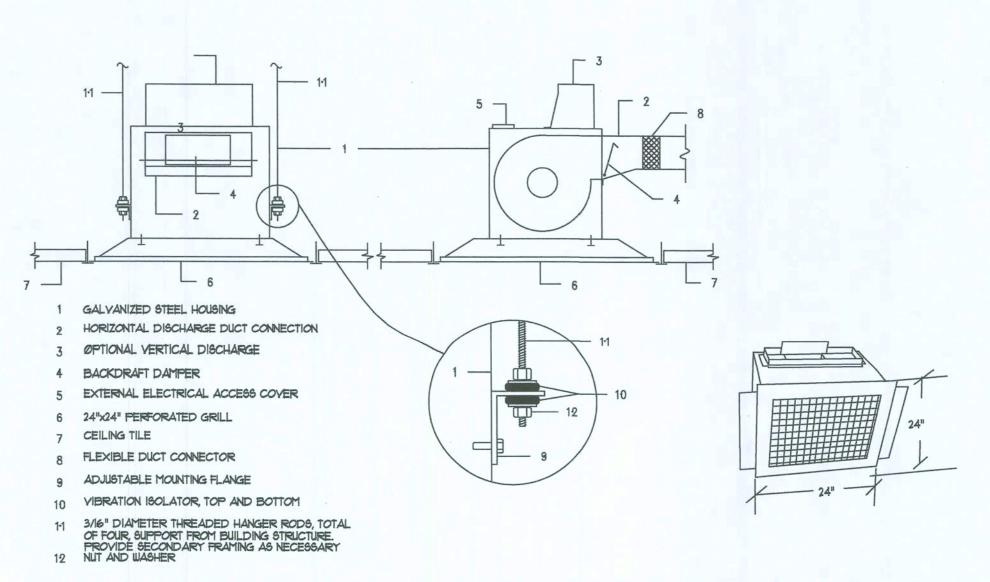
REFRIGERANT PIPING TO BE SIZED BY MANFACTURE.

FRESH AIR FOR THESE UNITS TO COME FROM SIDE WALL INTAKE LOUVERS.





SUPPLY AIR DIFFUSER DETAIL



CEILING EXHAUST FAN DETAIL



ARCHITECTURE AA 0003346 LANDSCAPE ARCHITECTURE LA 0001313

317 E. PARK AVINUE TALLAHASSEE, FLORID, 32301 850-222-2092 FHONE 850-222-0296 FAX



CONSULTANTS

ORT WHITE

REVISIONS

DATE 08/24/07

DRAWN □ JC<sup>2</sup>
CHECKED □ RFW
JOB NO. □ 2703

MECHANICAL DETAILS AND SCHEDULE

Winton Engineerng, P.A.
Robin Winton, P.E.
1218 Lee Ave Suite 4
TALLAHASSEE, FL 32203 60-094-8316
FL 36206

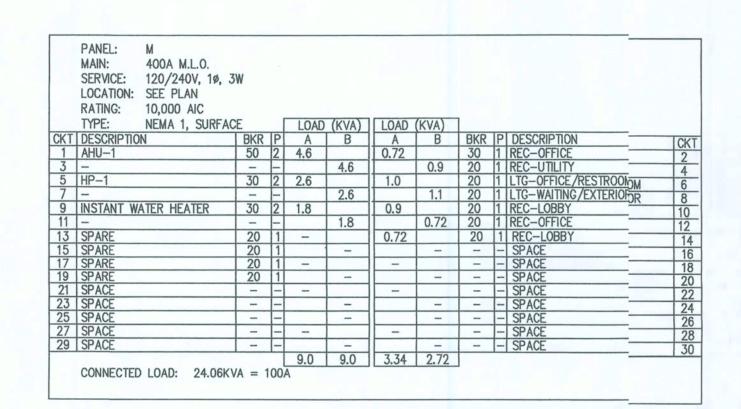
DRAWING

M2.0

	LGHTIN	G FIXTL	JRE SCHED	)ULE
TYPE	DESCRITION	MANUFACTURER	CATALOG NO.	LAMPS
Α	DECORTIVE PENDANT	TREND LIGHTING	1840-BRONZE	(1) 250W A21
В	WALL SONCE	TREND LIGHTING	1842-BRONZE	(1) 60W A19
С	BATHROM SCONCE	TREND LIGHTING	WB4264-2-POLISHED BRASS	(2) 60W B10
D	FLUORSCENT STRIP	DAYBRITE	HDS232-120-GEB	(2) F32T8
E1	EXIT SN W/ EMER HEADS	MCPHILBEN	CCAXL3RW	LED, INCLUDED
E2	EMERGICY WALL-PACK	MCPHILBEN	CAX6	INCLUDED
F1	CEILIN(FAN W/ LIGHT	CASABLANCA FAN	PANAMA XTR200/B527-11/KG1X	(1) 60W A19
F2	CEILIN(FAN W/O LIGHT	CASABLANCA FAN	FOUR SEASONS 84U72D	-NONE-
F3	EXTERIR CEILING FAN	CASABLANCA FAN	PANAMA XTR200/B527-11/KG2L	(2) 60W A15
G	RECESID CAN	CAPRI	CRR1-RB40W	(1) 60W A19
Н	EXTERIR SCONCE	TREND LIGHTING	A27INC-B2-OD	(1) 60W A19
IOTEC.	J			

1. VERIFY ALL CEILG FINISHES, FIXTURE TRIMS, AND VOLTAGES PRIOR TO ORDERING.

ı	2. PROVIDE ELECTRIC BALLASTS FOR ALL FLUORESCENT FIXTURES
ı	3. NO SUBSTITUTION SHALL BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT.



### **LEGEND**

20A/1P SWITCH. MOUNT 48" A.F.F. UNO. WHITE FINISH/COVERPLATE.

120V/20A DUPLEX RECEPTACLE WITH INTEGRAL GFI. PROTECTION. IF NO MOUNTING HEIGHT INDICATED, MOUNT 18" A.F.F. WHITE FINISH/COVERPLATE.

120V/20A DUPLEX RECEPTACLE WITH INTEGRAL GFI PROTECTION. MOUNT 18" AFF. PROVIDE WEATHERPROOF COVER.

COMMUNICATIONS OUTLET. PROVIDE SINGLE-GANG BOX, WITH 3/4" ENT TO EQUIPMENT CLOSET. PROVIDE COVERPLATE WITH (2) CAT-5 RJ-45 JACKS, WITH (2) CAT-5 8-COND CABLES HOMERUN TO EQUIPMENT CLOSET, AND TERMINATED ON CAT-5 RJ-45 PATCH PANEL.

CONDUCTORS IN CONDUIT OR CABLE, CONCEALED IN WALLS, FLOOR, OR CEILING. MINIMUM CONDUCTOR SIZE #12AWG, CU. PROVIDE INSULATED GREEN EQUIPMENT GROUNDING CONDUCTOR, SIZED PER NEC, IN ALL RACEWAYS. RACEWAY ABOVE GRADE TO BE METALLIC, 3/4" MINIMUM. MC CABLE ALLOWED WHERE PERMITTED BY CODE.

CONDUCTORS IN CONDUIT OR CABLE, CONCEALED IN WALLS, FLOOR, OR CEILING; HOMERUN TO PANEL.

ELECTRICAL PANEL, 240V. SEE RISER AND SCHEDULE.

ENCLOSED SAFETY SWITCH. SEE PLANS.

STAND-ALONE TYPE DUCT SMOKE DETECTOR, TO SHUTDOWN ASSOCIATED AHU. CONNECT TO UNSWITCHED LIGHTING CIRCUIT M-6. COORDINATE INSTALLATION WITH MECHANICAL.

DECORATIVE PENDANT FIXTURE; VERIFY MOUNTING HEIGHT WITH ARCHITECT. RECESSED CEILING CAN FIXTURE.

52" CEILING FAN. PROVIDE DOWNROD; VERIFY MOUNTING HEIGHT WITH ARCHITECT.

WALL SCONCE. VERIFY MOUNTING HEIGHT WITH ARCHITECT.

4FT WALL-MOUNTED INDUSTRIAL STRIP FIXTURE.

INTERNALLY ILLUMINATED LED EXIT SIGN (TYPE "E1") WITH INTEGRAL BATTERY & INVERTER, AND EMERGENCY LIGHTING HEADS. PROVIDE UNSWITCHED HOT CONDUCTOR.

EMERGENCY EXIT LIGHT (TYPE "E2") WITH INTEGRAL BATTERY & INVERTER. PROVIDE UNSWITCHED HOT CONDUCTOR.

CONNECTION TO EXHAUST FAN. COORDINATE EXACT LOCATION & REQUIREMENTS WITH MECHANICAL.

INSTANTANEOUS WATER HEATER. PROVIDE 2 #10, #10 GND. TO PANEL. COORDINATE CONNECTION WITH MECHANICAL.

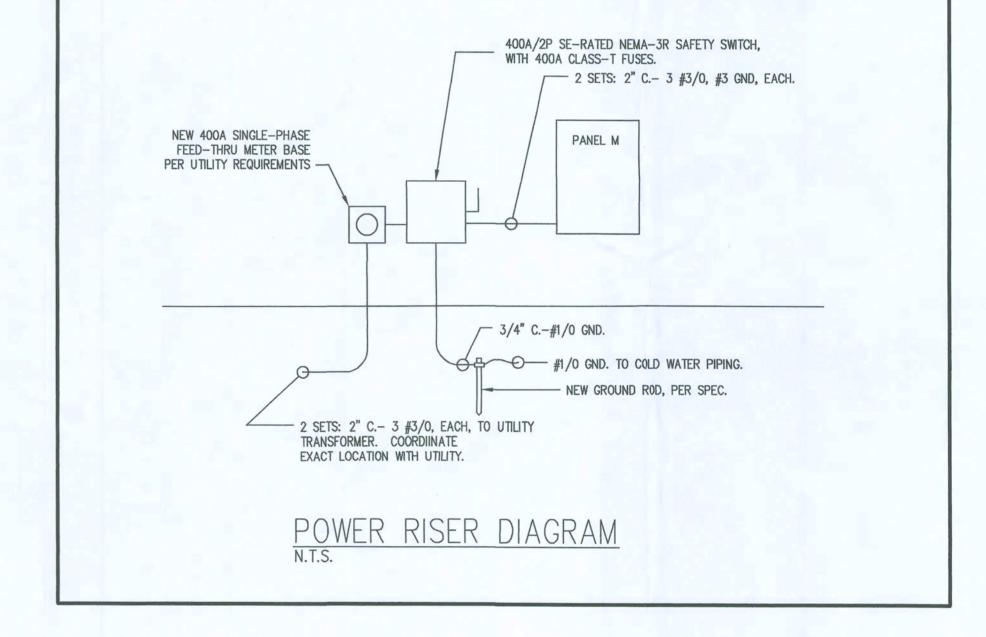


LANDSCAPE ARCHITECTURE LA 0001313

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## CODES AND STANDARDS

NFPA 70 NATIONAL ELECTRICAL CODE (NEC), 2005 ED. NFPA 101 LIFE SAFETY CODE, 2003 ED.

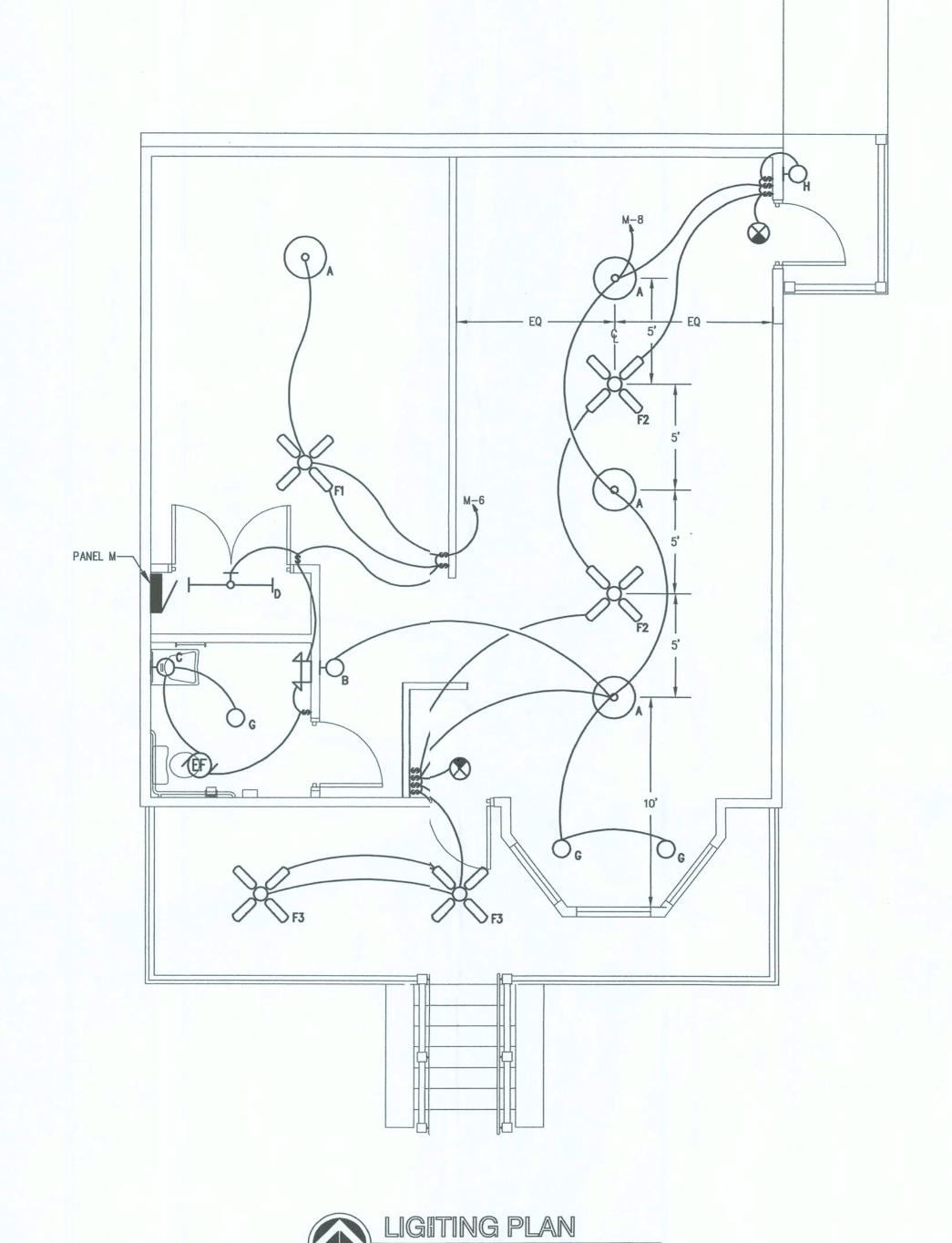
FLORIDA BUILDING CODE, 2004 ED, 2005/2006 SUPPLEMENTS.

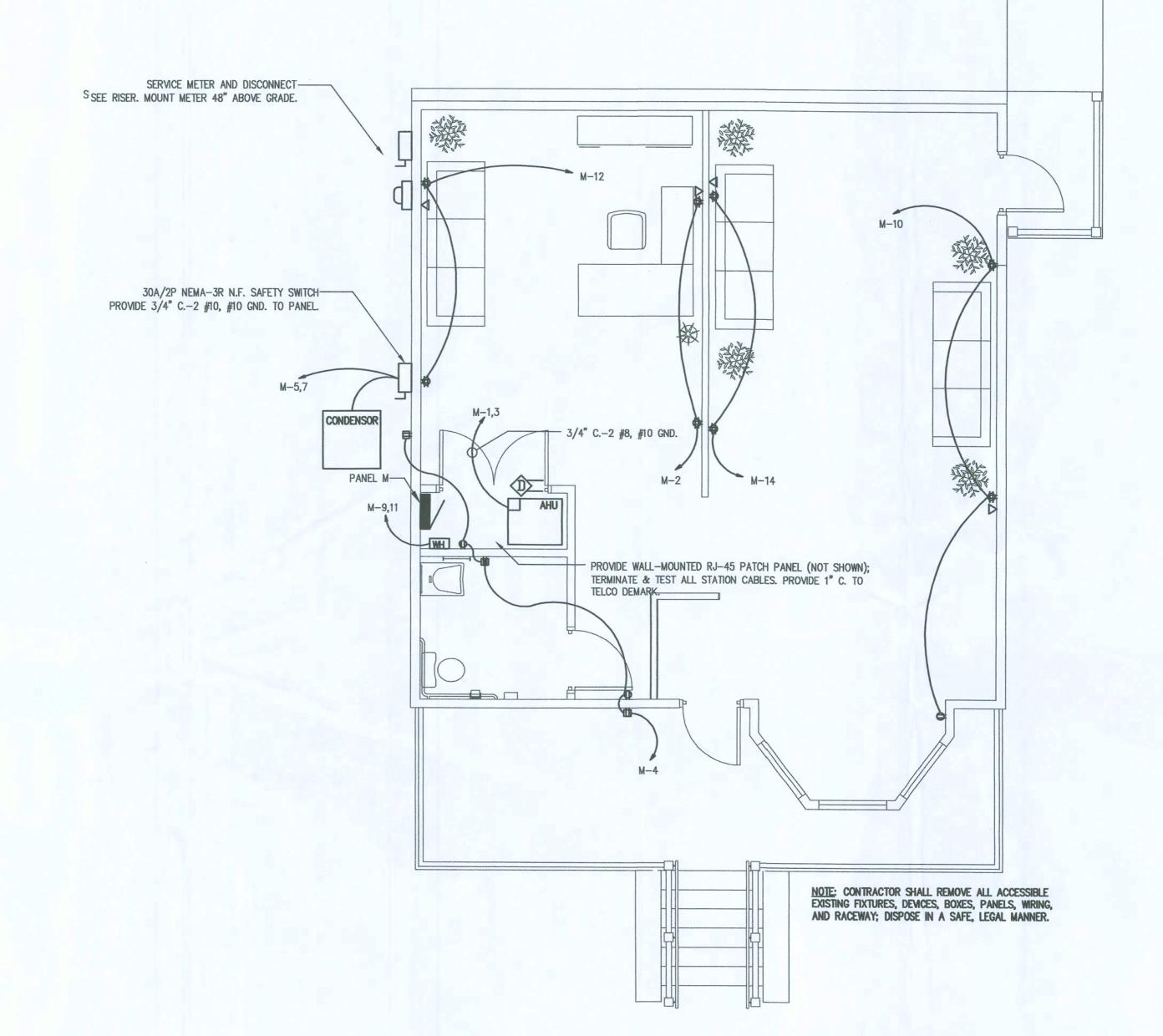
REVISIONS

**10/3/07** E CAS

CHECKED = JML JOB NO. ■ 2703

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ARCHITECTURE AA 00033-6 LANDSCAPE ARCHITECTURE LA 00013-3

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James Mand

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DRAWING

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PLUMBING NOTES:

LI DESCRIPTION:

A. THE NON-TECHNICAL SPECIFICATIONS AND GENERAL CONDITIONS OF THESE SPECIFICATIONS ARE APPLICABLE IN FULL HERETO.

B. INCLUDE ALL EQUIPMENT, MATERIAL AND LABOR REQUIRED FOR COMPLETE AND OPERATING PLUMBING SYSTEMS, DUE TO THE SMALL SCALE OF THE FLOOR PLANS AND DIAGRAMMATIC RISER DIAGRAMS, SOME ITEMS INVOLVED MAY NOT BE

12 WORK INCLUDED:

A WORK WILL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING SYSTEMS COMPLETE WITH ALL REQUIRED

. A SYSTEM OF SANITARY SOIL, WASTE AND VENT PIPING. 2. A SYSTEM OF DOMESTIC HOT AND COLD WATER PIPING 3. PLUMBING FIXTURES, EQUIPMENT, ACCESSORIES, TRIM AS SPECIFIED HEREIN. 4. WATER SERVICE TO EACH FIXTURE REQUIRING SUCH 5. SANITARY BUILDING DRAINS AND FIXTURE BRANCHES FROM EACH FIXTURE REQUIRING SUCH SERVICE.

6. PIPING INCIDENTAL TO HEATING AND AIR CONDITIONING

WORK TO THE EXTENT HEREIN SPECIFIED.

1 3 LAWS AND CODES:

A. THE CONTRACTOR SHALL INSTALL ALL WORK IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES AND BE NCLUSIVE OF ALL STATE, AND LOCAL CODES, ALL PROVISIONS OF THIS SECTION APPLY TO ALL PLUMBING WORK B. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALI

PERMITS, FEES AND CHARGES REQUIRED INCIDENTAL TO THE

COMPLETING THE WORK C. THE CONTRACTOR SHALL MAKE ALL NECESSARY TESTS REQUIRED BY LOCAL AUTHORITIES, LEGAL REGULATIONS AND RETURN TO THE ENGINEER ANY CERTIFICATE OF APPROVAL ISSUED FOR ALL PLUMBING WORK SIGNED BY THE INSPECTING ADMINISTRATIVE AUTHORITY IN CHARGE OF EACH PARTICULAR PART OF THE

WORK INVOLVED THAT MAY BE NECESSARY FOR FULLY

1.4 QUALIFICATIONS:

A. THE CONTRACTOR SHALL BE A LICENSED PLUMBER CERTIFIED BY THE STATE.

A. IN THE INTEREST OF CLEARNESS, THE WORK IS NOT ALWAYS SHOWN TO SCALE OR EXACT LOCATION. CHECK ALL MEASUREMENTS, LOCATION OF PIPE, DUCTS AND EQUIPMENT WITH THE DETAIL ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS, AND LAY OUT WORK SO AS TO FIT IN WITH CEILING GRIDS, LIGHTING AND OTHER PARTS. WHERE COURT ARISES AS TO THE MEANING OF THE PLANS AND SPECIFICATIONS, OBTAIN THE ENGINEER'S DECISION BEFORE PROCEEDING WITH PARTS AFFECTED OTHERWISE ASSUME LIABILITY FOR DAMAGE TO OTHER WORK AND FOR MAKING NECESSARY CORRECTIONS TO WORK IN QUESTION.

16 CHANGES AND CONFLICTS:

A. IF DURING CONSTRUCTION DESIRABLE OR NECESSARY CHANGES BECOME APPARENT, ADVISE THE ENGINEER AND SECURE HIS DECISION IN WRITING. OTHERWISE, MAKE NO DEVIATION FROM THE SYSTEM AS DETAILED.

1.7 GUARANTEE AND SERVICE:

A. THE CONTRACTOR SHALL GUARANTEE ALL PIPING, PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE AGAINST DEFECTS DUE TO FAULTY WORKMANSHIP OR MATERIALS. SUCH DEFECTS WILL BE CORRECTED PROMPTLY AFTER NOTIFICATIONS BY THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE WITH NO COST TO THE OWNER

B. THE CONTRACTOR SHALL ALSO FURNISH WITHOUT CHARGE, ANY REASONABLE SERVICE IN MAKING MINOR ADJUSTMENTS O FIXTURES AND EQUIPMENT FOR THE SAME PERIOD, BUT THIS SERVICE WILL NOT INCLUDE THE REPLACEMENT OF PARTS DAMAGED BY MALICIOUSNESS OR VANDALISM AFTER ACCEPTANCE BY THE OWNER, OR CLEARING OF OBSTRUCTION PROM SEWERS CAUSED BY OTHER THAN DEFECTS IN THE LINE.

C. THE CONTRACTOR SHALL PUT ALL ITEMS INSTALLED UNDER THIS DIVISION INTO OPERATION AND WILL INSTRUCT THE OWNER'S MAINTENANCE PERSONNEL IN ALL POINTS REQUIRING SERVICE AND MAINTENANCE.

A. WITHIN 30 DAYS AFTER AWARD OF CONTRACT, SUBMIT FOR APPROVAL A COMPLETE SCHEDULE OF MATERIAL AND EQUIPMENT PROPOSED. PARTIAL LISTS WILL NOT BE CONSIDERED. INCLUDE CATALOG DATA, SCHEDULED CAPACITIES, ETC., WHERE SUBSTITUTIONS ARE PROPOSED. FOLLOW PROCEDURES SET FORTH IN THE GENERAL

B. UPON REQUEST, SUBMIT SHOP DRAWINGS SHOWING PROPOSED ARRANGEMENT OF EQUIPMENT, PIPING, FLOOR DRAINS, POWER REQUIREMENTS AND CONTROLS, IN ANY CASE. SUBMIT DETAIL LAYOUTS OF POTENTIAL CONFLICTS AT PLUMBING DROPS, EQUIPMENT ROOMS, TIGHT CEILINGS, ETC.

1.9 EXISTING CONDITIONS:

18 SUBMITTAL DATA:

A. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME ACQUAINTED WITH ALL JOB CONDITIONS. NO CONSIDERATIONS WILL BE GIVEN AFTER BID OPENING FOR ALLEGED MISUNDERSTANDING REGARDING UTILITY CONNECTIONS, PERMITS, FEES, ETC.

B. THE DRAWINGS INDICATE SYSTEMS WHICIARE LOCATED IN EXISTING PARTITIONS AND BEHIND WALLS. IE CONTRACTOR SHALL LOCATE AND VERIFY ALL PIPING ONECTIONS AND INCLUDE IN HIS BID CONTINGENCIES FOR THE RELOCATION OF SUCH SYSTEMS IF CONNECTIONS CAN NOT E MADE AS SHOWN

C. NO CONSIDERATIONS WILL BE GIVEN AFR BID OPENING FOR ALLEGED MISUNDERSTANDING REGARNG UTILITY CONNECTIONS, PERMITS, FEES, ETC.

A INTERRUPT EXISTING SERVICES ONLY ATIMES APPROVED BY THE OWNER HOLD INTERRUPTIONS TO IE MINIMUM IN DURATION AND FREQUENCY.

I.II AS-BUILT DRAWINGS:

1.12 MANUALS:

A OMIT

A. FURNISH FIVE (5) COPIES OF MAINTENANC INSTRUCTIONS, OPERATING INSTRUCTIONS AND PARTS LISTFOR ALL EXTURES AND EQUIPMENT BOUND INTO FIV(5) MANUALS, LOOSE SHEETS WILL NOT BE ACCEPTED. OF MANUAL WILL BE SUBMITTED TO THE ENGINEER COMPLETE, FLOR TO FINAL INSPECTION AND FINAL PAYMENT, THE REMNING FOUR (4) MANUALS WILL BE SUBMITTED TO THE ENGRER

1.13 COORDINATION OF WORK WITH OTHER TADES:

A THE CONTRACTOR SHALL LAYOUT AND ROCEED WITH THIS WORK SO THAT THIS WORK WILL BE EXECUTO IN HARMONY WITH ALL OTHER CONTRACTS PERTAINING ) THIS PROJECT.

B. ALL ELECTRICAL POWER WIRING REQUIPO FOR INSTALLATION OF EQUIPMENT UNDER THIS ECTION IS SPECIFIED UNDER ELECTRICAL DIVISION, FIMBING CONTRACTOR SHALL FURNISH AND INSTALIALL CONTROLS, AND CONTROL WIRING AS SPECIFIED OR ROUIRED TO PROPERLY COMPLETE THE INSTALLATIN CONTRO CONDUIT IS SPECIFIED UNDER ELECTRICADIVISION TO THE EXTENT SHOWN ON ELECTRICAL DRAWINGS LL OTHER CONTROL CONDUIT SHALL BE PROVIDED WER THIS SECTION OF WORK ALL ELECTRICAL WORK PERFORED UNDER THIS ECTION SHALL MEET REQUIREMENTS SET FRITH IN THE ELECTRICAL DIVISION.

C. PIPE SI FEVES - FIT ALL PIPES PASSINGUEDING MASONRY AND JOB CAST CONCRETE CONFLICTION WITH BLEEVES. SLEEVES SHALL BE CUT FLUSH I'H EACH SURFACE, " LARGER IN DIAMETER THAN THE PASSIS PIPE OR COVER, BUILT-IN AS WORK PROGRESSES. SLEEVESHROUGH JOISTS AND BEAMS SHALL BE OF GALVANIZED STELL PIPE OTHER SLEEVES SHALL BE OF 16 GAUGE GALVANED IRON, MAKE SPACE BETWEEN FLOOR SLEEVES AND PAING PIPES WATERTIGHT BY CAULKING WITH FIREPROOPACKING AND

PLASTIC WATERPROOF CAULKING COMPOUD. D. ACCESS PANELS AND DOORS:

I. FURNISH TO GENERAL CONTRACTOR FOR STALLATION UHEREVER REQUIRED FOR ACCESS TO VAVES, AIR VENTS OR SIMILAR DEVICES. DOORS SHALL BE SUITALE FOR WALL FINISH INVOLVED, 12" X 16" UNLESS OTHERUE INDICATED FIRE RATED WHERE FIRE WALLS ARE PENETRATO, MILCOR, PHILIP CAREY, ZURN OR OTHER APPROVED EQUA 2. WHERE DEVICE OCCURS ABOVE A LIFT-CT ACOUSTICAL CEILING PANEL, IDENTIFY THE PANEL WITH 3/4" \*8 ROUND HEAD SELF-THREADING SCREW, SCREWED TO PANEL WITH LY THE HEAD SHOWING BEFORE INSERTS, PAINT HEAD OF SCREW WITH APPROPRIATE COLOR AS SPEIFIED UNDER PIPE IDENTIFICATION AND COLOR CODING.

E. CUTTING AND PATCHING:

I. OPENINGS ARE TO BE LAID OUT AND BUIL-IN FURNISH DETAILED LAYOUT DRAWINGS TO OTHER TADES IN ADVANCE OF THEIR WORK PIPING WITHIN OR BEHIND ALLS MUST BE NSTALLED BEFORE WALL IS ERECTED. OTHRWISE WALLS, ETC., AFFECTED MUST BE REWORKED BY TADE WHICH ERECTED SAME AT EXPENSE OF THE CONTACTOR CHASING AND CUTTING OF NEW WORK WILL NOT BE ACEPTED. CUTOUTS IN COUNTERTOPS SHALL BE MAE BY MILLWORK ONTRACTOR UPON RECEIPT OF PROPER IMPLATES. OPENINGS IN EXISTING WALLS SHALL BE MUE BY TRADE REQUIRING SAME, WITH REPAIRING AND PACHING REQUIRED HEREBY DONE BY THE RESPECTIVE TRAD WHOSE WORK IS

F. PAINTING AND FINISHING:

1. CLEAN AND PAINT WITH TWO COATS OF EMEL ALL EXPOSED FERROUS METAL PARTS OF MECANICAL QUIPMENT LOCATED IN MACHINERY ROOM ABOVE CEILINGS. ETC. (INCLUDE BLACK STEEL PIPE, UNCOAD CAST IRON PIPE, HANGERS, BRACKETS, ETC.). 2. PAINTING OF SURFACES IN FINISHED ARE, IS SPECIFIED UNDER SECTION "PAINTING". WHERE FACTOF FINISHED ITEMS ARE MARRED OR SCRATCHED, REPLACE E ITEM, OR UPON APPROVAL, REFINISH OR TOUCHUP AS REGRED TO BRING TO A LIKE-NEW CONDITION.

G. CONNECTIONS FOR EQUIPMENT FURNISHE BY OTHERS: 1. THE PLUMBING CONTRACTOR SHALL PRODE FLCOR

DRAINS REQUIRED FOR THIS EQUIPMENT ASCHEDULED ON 2. ALL REQUIRED WATER SUPPLY LINES WILBE EXTENDED TO WITHIN 2'-O" OF EQUIPMENT LOCATIONS ANTERMINATED WITH A GATE VALVE. FINAL CONNECTIONS TO EXIPMENT WILL BE MADE BY THE PLUMBING CONTRACTOR AN COORDINATED WITH THE GENERAL CONTRACTOR AND OWN

1.14 MISCELLANEOUS REQUIREMENTS:

A MATERIALS AND EQUIPMENT - NEW AND OF BEST QUALITY IN EVERY RESPECT PIPE AND FITTINGS SHALL CONFORM TO THE ASTM STANDARD DESIGNATED FOR PIPE OF EACH MATERIAL. EQUIPMENT SHALL BE ESSENTIALLY THE STANDARD PRODUCT OF THE MANUFACTURER AND UL APPROVED WHERE COMMERCIALLY AVAILABLE. WHERE TWO OR MORE UNITS OF THE SAME CLASS OF EQUIPMENT ARE REQUIRED, THESE UNITS SHALL BE PRODUCTS OF A SINGLE MANUFACTURER HOWEVER, THE COMPONENT PARTS OF EACH UNIT NEED NOT BE.

B. WORKMANSHIP - FIRST CLASS AND IN ACCORDANCE WITH BEST PRACTICE. PIPE SHALL BE CUT CLEAN, PROPERLY REAMED, THREADED OR SOLDERED, ERECTED PLUMB AND SECURE. MAKE CHANGES IN PIPE SIZE WITH REDUCING FITTINGS WITHOUT THE USE OF BUSHINGS, WORK SHALL BE EXECUTED BY EXPERIENCED MECHANICS AND SHALL PRESENT A NEAT APPEARANCE. INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

C. AT ALL STAGES OF INSTALLATION, PROTECT PIPE OPENINGS, FIXTURES AND EQUIPMENT AGAINST THE ENTRANCE OF FOREIGN MATERIALS, AND FROM DAMAGE BY THE ELEMENTS, MORTAR, PAINT, ETC.

D. FACTORY FINISHES - MANUFACTURER'S STANDARD UNLESS OTHERWISE STATED. SUBMIT COLOR CARDS FOR SELECTION WHERE CHOICE EXISTS. E. EXPANSION - PROVIDE FOR EXPANSION AND CONTRACTION OF ALL PIPING

AND MAKE PROPER PROVISIONS SO THAT EXCESSIVE STRAIN WILL NOT OCCUR F. SAFETY PROVISIONS - PROVIDE COVERS OR GUARDS ON ALL HOT, MOVING AND PROJECTING ITEMS WHICH COULD BE A HAZARD TO OCCUPANTS OF THE

CLEANING AND ADJUSTING - UPON COMPLETION OF WORK, CLEAR ALL DRAINS, TRAPS, FIXTURES, DUCTS AND PIPE ADJUST ALL VALVES, PACK STUFFING BOXES, REMOVE RUBBISH AND LEAVE WORK IN CLEAN AND OPERATING CONDITION. H. ESCUTCHEONS - WHERE PIPES PASS THROUGH FLOORS, WALLS AND CEILINGS, PROVIDE PRESSED CHROME-PLATED BRASS OR STEEL PLATES SECURELY

PART 3- EXECUTION

BUILDING OR TO SERVICE PERSONNEL.

3.I SANITARY PIPING:

A SCOPE - PROVIDE A SYSTEM OF SOIL, WASTE AND VENT PIPING CONNECTING ALL PLUMBING FIXTURES, EQUIPMENT, ETC., TO THE BUILDING DRAIN SYSTEM, WITH CONSOLIDATED VENT CONNECTIONS EXTENDING THROUGH THE BUILDING ROOF, ALL AS SHOWN ON THE DRAWINGS

B. FREEZE PROTECT ALL EXPOSED SANITARY PIPING.

C. LAYING OUT WORK - VENTS FROM ANY FIXTURE, WHEN CONNECTED TO VENT LINE SERVING OTHER FIXTURES, SHALL BE EXECUTED AT LEAST SIX (6) INCHES ABOVE FLOOD LEVEL RIM OF HIGHEST OF SUCH FIXTURES TO PREVENT USE OF VENT LINES AS A WASTE, MAKE CHANGES IN DIRECTION BY APPROPRIATE USE OF 45 DEGREE YS, 1/2" YS, OR LONG SWEEP 1/4, 1/6, 1/8 OR 1/16 BENDS. SANITARY TO OR SHORT 1/4 BENDS MAY BE USED ON VERTICAL STACKS OR DRAINAGE LINES WHERE CHANGE IN DIRECTION OF FLOW IS FROM HORIZONTAL TO VERTICAL
EXCEPT THAT LONG-TURN TY'S SHALL BE USED WHEN TWO FIXTURES ARE
INSTALLED BACK TO BACK WITH COMMON DRAIN. STRAIGHT TS, ELLS AND
CROSSES MAY BE USED ON VENT LINES, MAKE NO CHANGE IN DIRECTION OF FLOW
CROSSES MAY BE USED ON VENT LINES, MAKE NO CHANGE IN DIRECTION OF FLOW
CROSSES THAN 90 DEGREES, WHERE DIFFERENT SIZES OF DRAINAGE PIPES OR
WITH THREADED INSERTS, EXPANSION SHIELDS OR BEAM CLAMPS. FITTINGS ARE CONNECTED, USE STANDARD INCREASERS AND REDUCERS OF PROPER SIZE. DO NOT REDUCE SIZE OF DRAINAGE PIPING IN DIRECTION OF FLOW.

D. AT TYPICAL SUSPENDED HORIZONTA: AL PIPE - ADJUSTABLE CLEVIS OR DRILLING AND TAPPING OF HOUSE DRAINS, SOIL, WASTE OR VENT PIPES, AND USE

SPLIT-RING TYPE, EQUAL TO FEE & MASSON 239 OR 215. OF SADDLE HUBS AND BANDS ARE PROHIBITED

D. DO NOT BEGIN WORK UNTIL ELEVATION OF FINAL CONNECTION POINT IS VERIFIED AND GRADING OF ENTIRE SYSTEM CAN BE DETERMINED.

E. HANGERS - SUPPORT PIPE ADJACENT TO EACH FITTING AND ON CENTERS NOT EXCEEDING FIVE FEET WITH HANGERS AS SPECIFIED HEREINAFTER RIGIDLY SUPPORT BASE OF VERTICAL RUNS WITH SOLID MASONRY OR CONCRETE.

F. IN ADDITION, PROVIDE ADEQUATE SWAY BRACING TO STABILIZE ALL COMPONENTS OF THE SYSTEM. PROVIDE SPECIAL SUPPORT FOR FIXTURE ARMS, CLOSET BENDS, ETC.

G. GRADING - UNIFORM AND NOT LESS THAN 1/8" PER FOOT FOR PIPE 4" AND OVER, AND NOT LESS THAN 1/4" PER FOOT FOR 2" AND 3" PIPING. H. WASTE ARMS - PVC DWV OR IPS BRASS PIPE TYPICAL IPS BRASS PIPE AT

TEST FITTINGS - NOT SHOWN ON THE DRAWINGS: PROVIDE WHERE REQUIRED FOR 3.7 FIXTURE SUPPORTS AND CONNECTIONS: J. PIPING TO BE CAST IRON OR PVC - DWV IN ACCORDANCE WITH 2003 IPC.

3.3 WATER PIPING: A SCOPE - CONNECT TO UTILITIES AS SHOWN ON THE DRAWINGS AND

DRAINAGE OF THE SYSTEMS. PREEZE PROTECT ALL EXPOSED WATER PIPING.

C. GRADING - GRADE PIPE UPWARD FROM SOURCE TO FACILITATE DRAINAGE AND AIR RELIEF, WHERE LOW POINTS ARE REQUIRED BECAUSE OF LONG RUNS OR WHERE SECTIONS MAY BE VALVED OFF, PROVIDE WITH 3/4" GLOBE VALVE AND HOSE NIPPLE FOR DRAINAGE AT LOW POINT. MAKE ALL CONNECTIONS TO RISERS D. NIPPLES - OF SAME MATERIAL AS PIPE IN WHICH THEY ARE INSTALLED

PROVIDE EXTRA STRONG WHEN UNTHREADED PORTION IS LESS THAN I" LONG. E. PIPING TO BE COPPER OR PVC PER 2003 IPC.

3.4 WATER PIPING SPECIALTIES:

A UNIONS - 150 LB. RATED CAST BRASS GROUND-JOINT TYPE IN COPPER PIPE, GALVANIZED MALLEABLE IRON IN WROUGHT IRON OR GALVANIZED PIPE. B. PROVIDE IN ALL SIZES OR THREADED PIPE. AND IN SWEAT JOINTED PIPE OVER I", SO AS TO FACILITATE EASY REPAIRS. IN SUCH LINES INSTALL ADJACENT

TO WATER HEATERS, PUMPS, TANKS, ETC., INTO WHICH PIPING IS TERMINATED AND ON AT LEAST ONE SIDE OF VALVES, COCKS. STRAINERS, ETC., AND OTHER

C. PROVIDE DIELECTRIC UNIONS BETWEIEEN FERROUS AND NON-FERROUS PIPING (INCLUDING PIPING AND WATER HEATER;R STUBS WHERE DIFFERENT).

D. VALVES - PROVIDE WHERE SHOWN A AND/OR SPECIFIED, INCLUDING ALL FIXTURES OR EQUIPMENT NOT FURNISHELED WITH STOPS. ALL VALVES OF EACH TYPE SHALL BE THE PRODUCT OF ONE E MANUFACTURER, STOCKHAM UNITS AS INDICATED BELOW, OR EQUALS BY CRASANE OR WALWORTH. ALL VALVES SHALL BE PATED 200 LB UNITE.

E. BALL VALVES 2" AND SMALLER - S-1,-201 BR CAST BRONZE FOR THREADED

F. SHOCK ABSORBERS - CERTIFIED BY Y PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI-WH201. PROVIDE WHERE INDICATED. G. WALL HYDRANTS (TYPICAL) - SEE FIZIXTURE SCHEDULE, FURNISH VACUUM

H. YARD HYDRANTS (TYPICAL) - NON-F. PREEZE 3/4" CHROMIUM PLATED BRONZE HOSE BIBB WITH LOOSE KEY, WADE W-8, 3620 WITH INTEGRAL BACKFLOW PREVENTER OR APPROYED EQUAL. FUNRNISH VACUUM BREAKER ON EACH HYDRANT. INSTALL FLUSH WITH FINISH G GRADE, SEE DRAWINGS FOR LOCATION. I. PRESSURE REDUCING VALVES - WATTERMUESCO SERIES I IS AS SIZED ON DRAWING, FURNISH WITH WATTS NO. 175 C OR 17F "Y" TYPE STRAINER, CRANE OR

J. THERMOMETERS - "ANY ANGLE" TYPE: WITH 9 INCH SCALE AND SUITABLE TEMPERATURE RANGE, AS MANUFACTURRED BY TRERICE TYPE BX.
THERMOMETERS SHALL BE MERCURY A ACTUATED WITH PHENOL CONDENSATE WITH ALLMINUM OR BRASS CASES AND 6" SCOCKET WITH EXTENSION NECK. LOCATE SO AS TO BE CONVENIENT FOR READING. I EQUAL PRODUCT BY WESKLER, MARSH OR

MAXWELL MOORE WILL BE ACCEPTED. K PRESSURE GAGES - BOURDON TUBE E TYPE, AS MANUFACTURED BY TRERICE NO. 600 COMPLETE WITH CAST ALUMINUM C CASE, NO. 872 VIBRATION OR PULSATION SNUBBER AND NO. 735 NEEDLE VALVE. E. GAGE DIALS SHALL BE NOT LESS THAN 4-1/2" AND CASES SHALL BE OF ALUMINUM ALLOY. FURNISH WITH SUITABLE PRESSURE RANGES FOR EACH APPLICATION. EQUAL PRODUCTS BY WESKIER, MARSH OR ASHCROFT WILL BE ACCEPTITED.

L. VACUUM BREAKER - WATTS NO. 36A , CRANE OR STOCKHAM. 35 PIPE HANGERS AND SUPPORTS: PETER FT FO

A SPACING - INSTALL SUPPORTS AS RESEQUIRED TO PREVENT SAGS, BENDS OR VIBRATION IN ANY CASE PROVIDE WITH HIN SIX INCHES OF ELBOUS AND VALVES, AT ENDS OF BRANCHES OVER FIVE FEE; ET, AND ON CENTERS NOT EXCEEDING THE

. COPPER TUBING - UP TO 1". 6 FEET: OOVER 1", 8 FEET
2. STEEL PIPE - UP TO 1-1/4", 8 FEET: 1-1/-1/2" AND 2", 10 FEET: 2" THROUGH 3-1/2", 12 FEET OVER 3-1/2", 16 FEET 3. CAST IRON PIPE - REFER TO SANITAFARY PIPING

B. EQUAL PRODUCTS - EQUIVALENT DE EVICES BY GRINNELL. ELSEN. STOCKHAM

E. WHERE IN CONTACT WITH COPPER PINIPE - SAME AS ABOVE EXCEPT HANGERS F. VERTICAL PIPING ALONG WALL - FEE; & MASON \$241 RISER CLAMPS AT FLOORS AND \$336 STAND-OFF BRACKETS TOGGIGLE BOLTED TO WALL. PLACE UNDER HUBS OR COUPLINGS WHERE AT ALL POSSIBLIBLE. GRINNELL OR WATTS.

G. ON INSULATED LINES - SIZE HANGER & LOOPS TO FIT OVER INSULATION, AND PROVIDE 12" LONG, 22 GAUGE GALVANIZIZED SHEET METAL HALF-ROUND SADDLES

H. SUPPORTS FOR WATER SUPPLY PIPISING IN SPACES BEHIND PLUMBING FIXTURES
- ABS BRACKETS AND U-BOLTS. SECURIZE THE TWO-PIECE BRACKETS TO CAST
IRON STACKS. U-BOLTS SHALL BE SIZEED TO BEAR ON THE PIPE. BRACKETS
SHALL BE P & M BRACKET CO., OR EQUUAL.

I. AT HORIZONTAL PIPING ALONG WALL : - FEE & MASON 946 I-HOOKS.

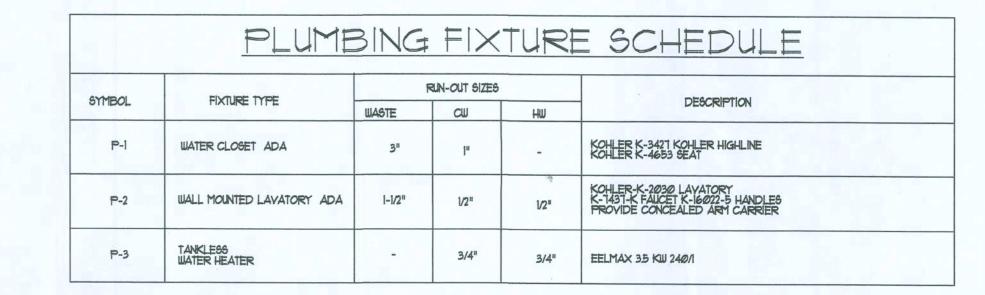
A GENERAL - ALL FIXTURES INCLUDINGIO LAVATORIES, URINALS, WATER CLOSETS, ELECTRIC WATER COOLERS, ETC., MUST T BE SECURELY FASTENED TO THE WALLS

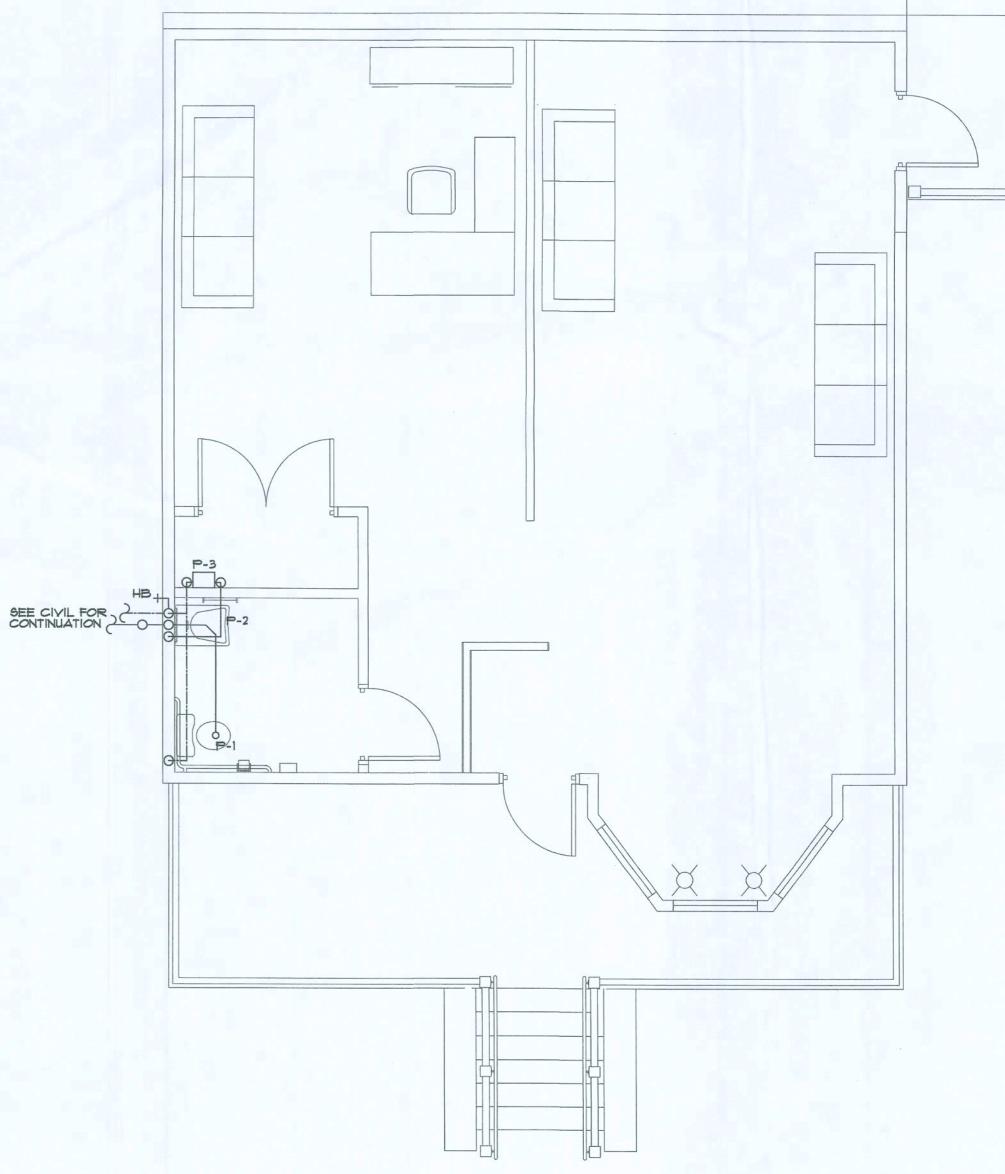
B. WALL MOUNTED FIXTURES - SUPPORT ALL WALL MOUNTED FIXTURES WITH 3/16"
THICK X 3-1/2" HIGH PLATES FULL LENGISTH OF FIXTURE, MOUNTED BEHIND WALL,
WHERE FIXTURES ARE BACK TO BACK (ON A SOLID WALL) PROM FIXTURE HANGER TO FIXTURE HANNGER DO NOT USE TOGGLE BOLTS OR B. GENERAL WORKMANSHIP - CUT ACCURATELY TO MEASUREMENTS ESTABLISHED AT SITE AND WORK INTO PLACE WITHOUT SPRINGING OR FORCING, PROPERLY CLEARING ALL OPENINGS, FINISHED CEILINGS, ETC. ROUTE THROUGH PREVIOUSLY BUILT-IN SLEEVES AND AVOID EXCESSIVE CUTTING OR OTHER WEAKENING OF THE STRUCTURE. REAM ALL PIPE TO REMOVE BURRS. MAKE CHANGES IN DIRECTION AND SIZE WITH FITTINGS. CAP OR PLUG OPEN PIPE ENDS DURING INSTALLATION TO KEEP OUT FOREIGN MATERIAL. MAKE CONNECTIONS CAREFULLY TO INSURE UNRESTRICTED FLOW, ELIMINATE AIR POCKETS AND TO PERMIT COMPLETE DRAINAGE OF THE SYSTEMS. FREEZE PROTECT ALL EXPOSED WATER PIPING. PLACED STUDS AS REQUIRED.

C. FLOOR CONNECTIONS - PROVIDE FLC\_OOR FLANGES, SCREWED OR CAULKED TO DRAINAGE PIPE. BOLT THE CONNECTION AND MAKE TIGHT TO FIXTURE WITH SETTING RING OR POLYETHYLENE GASKSKET FLANGE.

D. WASTE ARMS TO FIXTURES - AS SPECECIFIED HEREINDEFORE. WHERE COPPER OR BRASS PIPE IS SPECIFIED, ALL JOINTS & DOWNSTREAM FROM TRAP SHALL HAVE SOLDERED JOINTS.

E. STERILIZATION - THE COMPLETED SUIJUPPLY LINE SHALL BE STERILIZED AS REQUIRED BY STATE LAW BEFORE ACCCEPTANCE FOR DOMESTIC OPERATION.





SANITARY SEWER RISER

DOMESTIC WATER RISER

PLUMBING PLAN

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08/24/07

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