

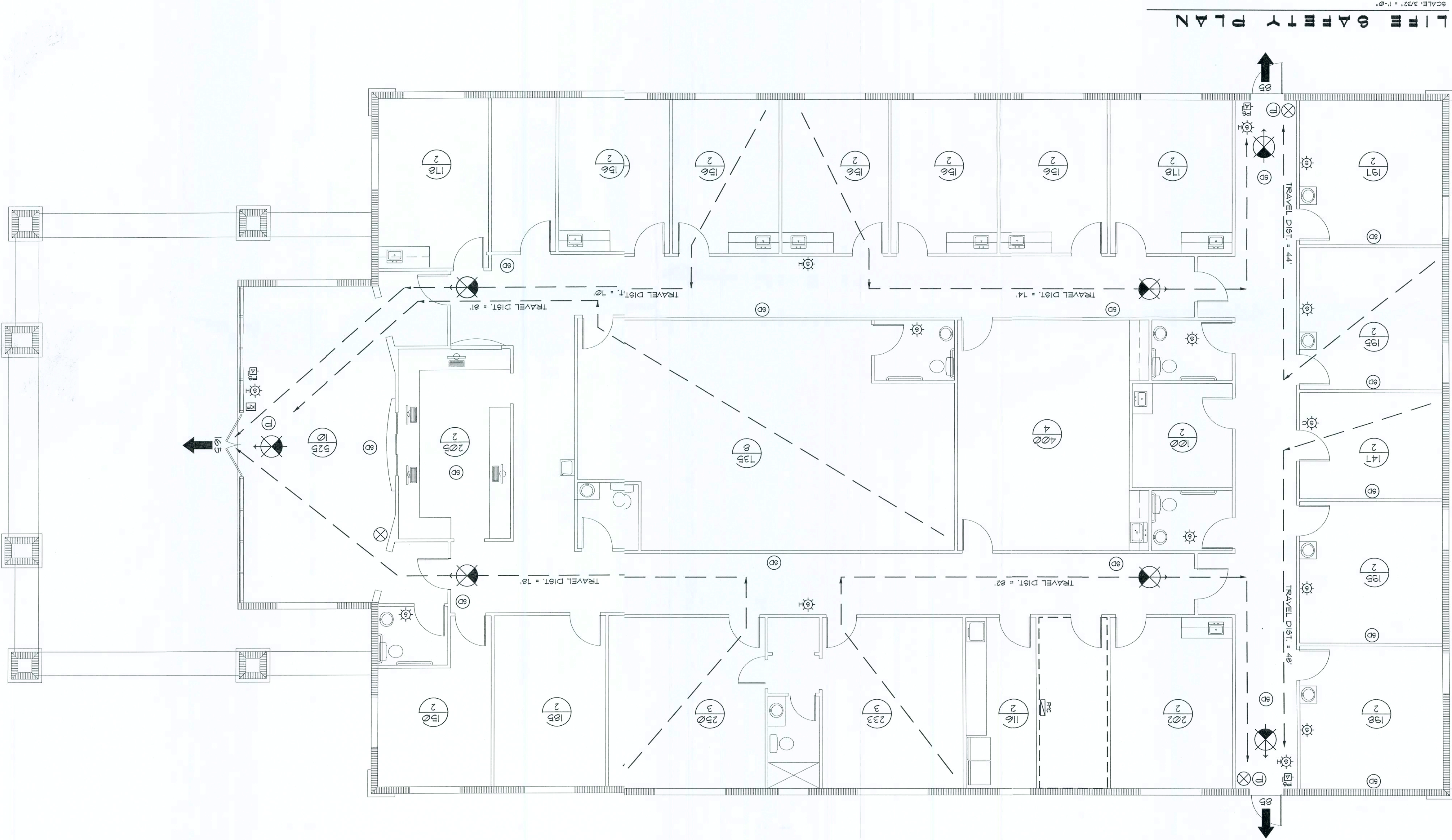
OCCUPANCY LOAD - BUSINESS		AREA	
TOTAL 6.F.		TOTAL OCCUP.	
255	150	WAITING ROOM	10
205	100	RECEPTIONIST	2
810	100	OFFICE	8
1004	100	PATIENT ROOM	10
105	110	SLEEPING ROOM	1
135	100	REHAB ROOM	8
156	100	HOK-UP ROOM	2
141	100	X-RAY ROOM	2
400	100	SLEEP MONITORING	2
116	100	LAUNDRY	2
TOTAL 6.F.		TOTAL OCCUP.	
4394	571		

NOTE!
AS DIRECTED BY THE FIRE MARSHAL, SHALL BE PROVIDED
PER NEC 100-11F.

NOTE!
THAT 90% ABOVE FINISHED FLOOR AND SHALL BE THE
MINIMIZATION TYPE, INTERLOCKED TOGETHER, POWERED
FROM EACH FLOOR PANNEL W/BATTERY BACKUP

FIRE/INTRUSION ALARM SYSTEM

THIS BUILDING SHALL BE EQUIPPED WITH A SELF-CONTAINED FIRE ALARM -
INTRUSION ALARM SYSTEM THE OPERATION OF WHICH WILL ALERT
THE BUILDING OCCUPANTS AND NOTIFY THE 911 EMERGENCY RESPONSE
SYSTEM. EQUIPMENT AND SERVICE PROVIDER SHALL BE AS SELECTED BY
THE OWNER. DETAILS OF INSTALLATION SHALL BE VIA SHOP DRAWINGS AND
OPERATING INSTRUCTIONS SHALL BE AS REQUIRED BY NFPA 101, 2003 EDITION BY
THE "LIFE SAFETY CODE" SECTION 403.4



APPROVED FOR CONSTRUCTION

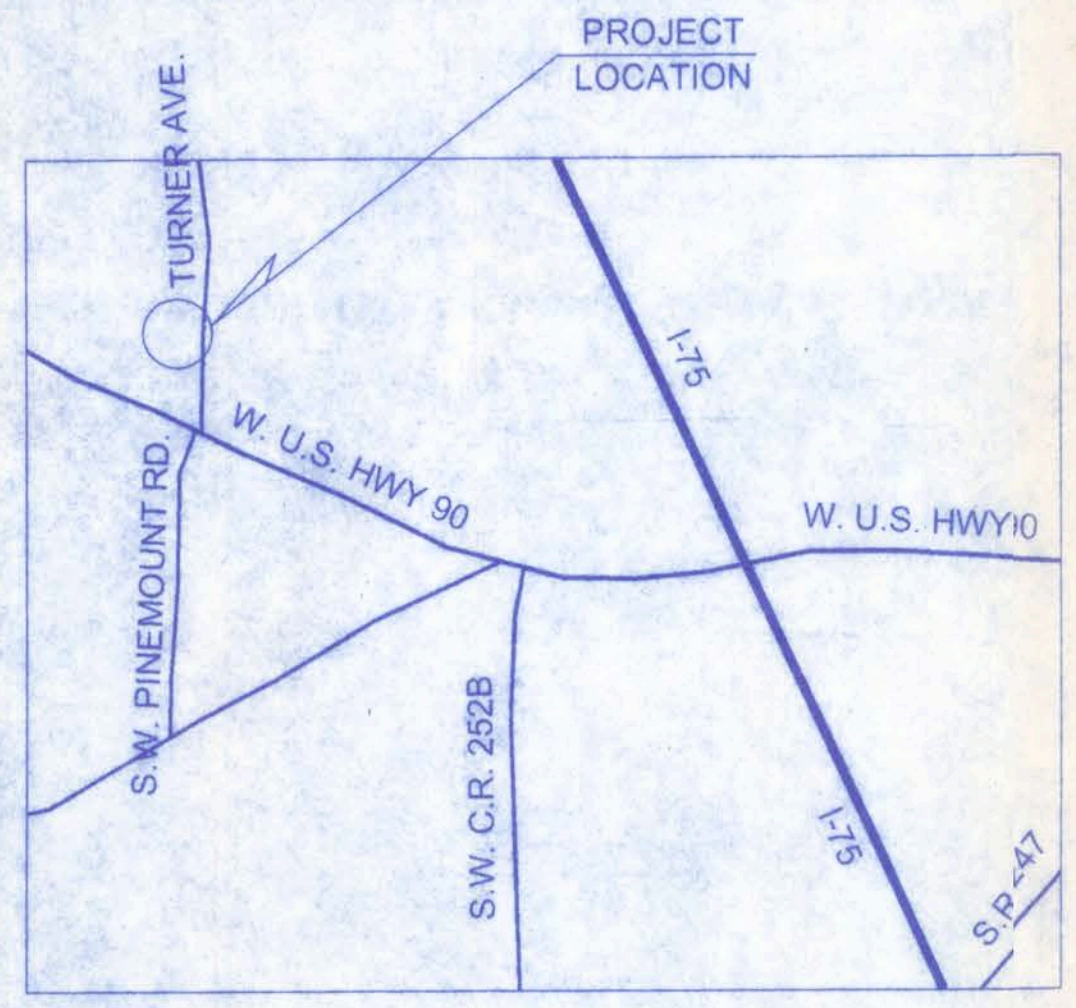
MEDICAL OFFICE
for DR. DIOGEINES F. DUARTE, M.D., P.A.
NW TURNER AVENUE
COLUMBIA COUNTY, FLORIDA

Development Information:

DUARTE MEDICAL OFFICE
PROPOSED 1,645 SF BUILDING
& ASSOCIATED PORTE-CO &
PARKING/DRIVES - NEW CONSTRUCTION
PROFESSIONAL MEDICAL OFFICE
0.9972± ACRES
N.W. TURNER AVE., LAKE CITY, FLORIDA
PARCEL ID: #33-3S-16-02440-001
ZONING: CG (COMMERCIAL GENERAL)
EXISTING USE: COMMERCIAL
FUTURE LAND USE PLAN MAP CATEGORY: COMMERCIAL

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	GENERAL NOTES
2	EXISTING SITE PLAN
3	SITE PLAN
4	GRADING/E&SC PLAN
5	SITE DETAILS



VICINITY SKETCH

NOT TO SCALE



LOCATION MAP

NOT TO SCALE

PLANS PREPARED FOR:

DR. D. F. DUARTE, M.D., P.A.
334 SW COMMERCE DR., SUITE #101
LAKE CITY, FLORIDA 32025

ENGINEER AND PLANNER:



161 N.W. MADISON STREET
SUITE #102
LAKE CITY, FL. 32055
(386) 758-4209
CERTIFICATE OF AUTHORIZATION # 0000870

John H. Lee
12/12/07
PC # 56009

GENERAL NOTES

1.

THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.
2.

THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.
3.

ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER.
4.

ALL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO CONSTRUCTION.
5.

THE STORMWATER BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 40B-4 F.A.C.
6.

THE RETENTION BASIN SHALL BE CONSTRUCTED INITIALLY TO SERVE AS A SEDIMENT TRAP DURING CONSTRUCTION.
7.

ALL SLOPES OF THE STORMWATER BASIN AND OUTFALL DITCHES SHALL BE SEEDED & MULCHED. ALL SLOPES STEEPER THAN 3:1 SHALL BE STAPLED SOD.
8.

ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG TERM VEGETATION AND QUICK GROWING SHORT TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THROUGH AUGUST, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG TERM SEED AND 20 POUNDS PER ACRE OF MILLET.
9.

A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION FLUMES, OUTFALL DITCHES AND COLLECTION PIPE OUTLETS.
10.

EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED.
11.

THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.
12.

ALL UTILITY CONSTRUCTION SHALL MEET THE GREATER LAKE CITY REGIONAL UTILITY AUTHORITY WATER AND WASTEWATER UTILITY STANDARDS.
13.

THE CONTRACTOR SHALL WASTE ALL EXCESS EARTH ON SITE AS DIRECTED BY THE ENGINEER
14.

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS.
15.

THE DRIVEWAY CONNECTION IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD FOR SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THE ROADWAY AND TRAFFIC DESIGN STANDARDS (CURRENT EDITION).
16.

THE TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION) AND THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS (CURRENT EDITION). ACCORDING TO STATE INDEXES 17302 AND 17346. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC LEAD FREE PAINT.
17.

MAINTENANCE OF TRAFFIC SHALL BE PERFORMED IN ACCORDNACE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS 600 AND 602.
18.

THE CONTRACTOR SHALL OBTAIN THREE DENSITY TESTS ACCORDING TO THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION). LIMEROCK SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. A COPY OF THE TESTS SHALL BE SUBMITTED TO COLUMBIA COUNTY BEFORE STARTING ANY PAVING OPERATIONS.
19.

THE CONTRACTOR SHALL ADHERE TO THE EROSION CONTROL PLAN, SHEET SP-5, BEFORE COMMENCING ANY EARTHWORK ON THE SITE
20.

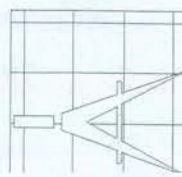
CONTRACTOR TO INSTALL LOCATOR DEVICES AT TAP LOCATIONS (WATER/SEWER) LOCATOR DEVICES BY THE GREATER LAKE CITY REGIONAL UTILITY AUTHORITY.

DUARTE MEDICAL OFFICE

William H. Duarte
12/12/07
P.E. #55001

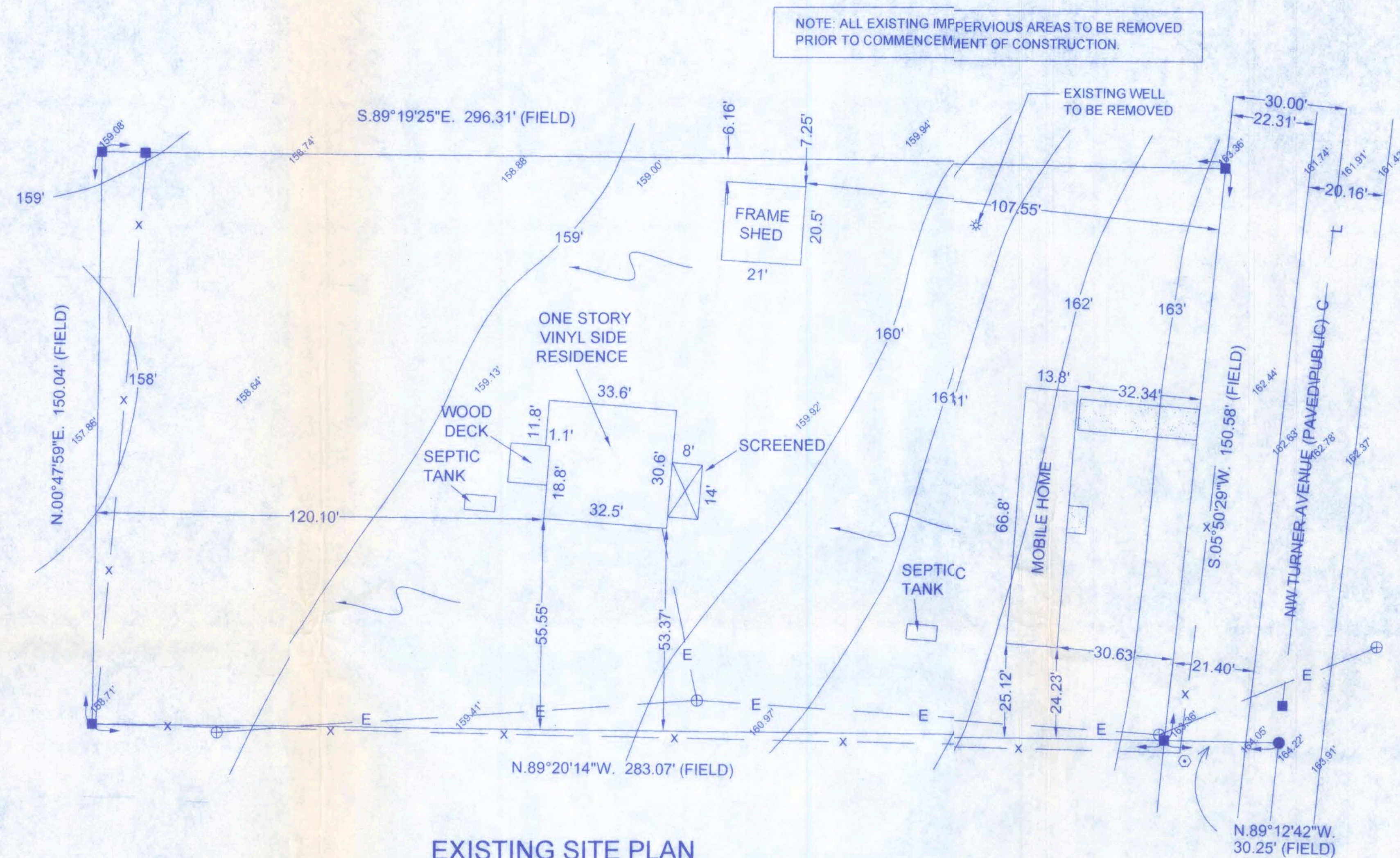
161 N.W. MADISON STREET
SUITE #102
LAKE CITY, FL 32055
(386) 758-4209

CERTIFICATE OF AUTHORIZATION # 00008701



Freeman
Design Group INC.

DATE 12/12/07	DRAWN BY J.T.D.
	APPROVED W.H.F.
REVISIONS	
SHEET	SP - 1
OF	5
PROJECT NO. 07.C053	



EXISTING SITE PLAN

SCALE: 1" = 20'

DESCRIPTION:
SECTION 33, TOWNSHIP 3 SOUTH, RANGE 16 EAST.
COMMENCE AT THE SOUTHEAST CORNER OF THE NE 1/4 OF THE NE 1/4, SECTION 33, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN N.89°20'14"W. ALONG THE SOUTH LINE OF SAID NE 1/4 OF THE NE 1/4, SECTION 33, A DISTANCE OF 30.12 FEET TO A CONCRETE MONUMENT AT ITS INTERSECTION WITH THE WEST RIGHT-OF-WAY LINE OF TURNER ROAD AND THE POINT OF BEGINNING. THENCE CONTINUE N.89°20'14"W. ALONG SAID SOUTH LINE OF THE NE 1/4 OF THE NE 1/4, SECTION 33, A DISTANCE OF 283.40 FEET TO A CONCRETE MONUMENT; THENCE N.00°39'46"E., 150.00 FEET TO A CONCRETE MONUMENT; THENCE S.89°21'14"E., 296.56 FEET TO A CONCRETE MONUMENT ON SAID WEST RIGHT-OF-WAY LINE OF TURNER ROAD; THENCE S.05°50'28"W. ALONG SAID WEST RIGHT-OF-WAY LINE 150.61 FEET TO THE POINT OF BEGINNING.

SYMBOL LEGEND:

- 4"x4" CONCRETE MONUMENT FOUND
- 4"x4" CONCRETE MONUMENT SET
- IRON PIPE FOUND
- IRON PIN AND CAP SET
- ⊕ POWER POLE
- ▲ WATER METER
- ⊙ CENTERLINE
- * WELL
- ⊙ SATELLITE DISH
- ⊙ TELEPHONE BOX
- E— ELECTRIC LINES
- X— WIRE FENCE
- CHAIN LINK FENCE
- WOODEN FENCE

NOTE:
ALL EXISTING STRUCTURES SHALL BE REMOVED PRIOR TO CONSTRUCTION.
ABANDON EXISTING SEPTIC SYSTEM AND FILL IN SEPTIC TANK WITH CLEAN FILL.
ABANDON EXISTING WELL

DUARTE MEDICAL OFFICE

COLUMBIA COUNTY, FLORIDA

EXISTING SITE DATA

PROJECT:	DUARTE MEDICAL OFFICE		
LEGAL DESCRIPTION:	REFER TO ATTACHED SURVEY		
ZONING:	COMMERCIAL GENERAL		
<hr/>			
<u>AREA COMPUTATIONS:</u>	<u>SQUARE FEET</u>	<u>ACRES</u>	<u>% OF TOTAL</u>
GROSS SITE AREA	43,436.8951 SF	0.9972 Ac.	100.000 %
GROSS DEVELOPMENT AREA	43,436.8951 SF	0.9972 Ac.	100.000 %
<hr/>			
<u>TOTAL AREA:</u>			
<hr/>			
<u>IMPERVIOUS AREA:</u>			
BUILDINGS	2,575.860 SF	0.0591 Ac.	5.927 %
PAVED AREAS	288.571 SF	0.0066 Ac.	0.662 %
TOTAL IMPERVIOUS	2,864.431 SF	0.0658 Ac.	6.589 %
<hr/>			
<u>PERVIOUS AREA:</u>			
GREEN AREA	40,572.464 SF	0.9314 Ac.	93.411 %
TOTAL PERVIOUS	40,572.464 SF	0.9314 Ac.	93.411 %



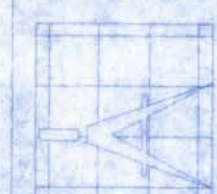
SCALE: 1" = 20'

William H. Lee
12/12/07
P.E. #65801

DUARTE MEDICAL OFFICE

161 N.W. MADISON STREET
SUITE #102
LAKE CITY, FL 32055
(386) 758-4209

CERTIFICATE OF AUTHORIZATION #00000701



Freeman
Design Group inc

DATE
12/12/07

DRAWN BY
J.T.D.

APPROVED
W.H.F.

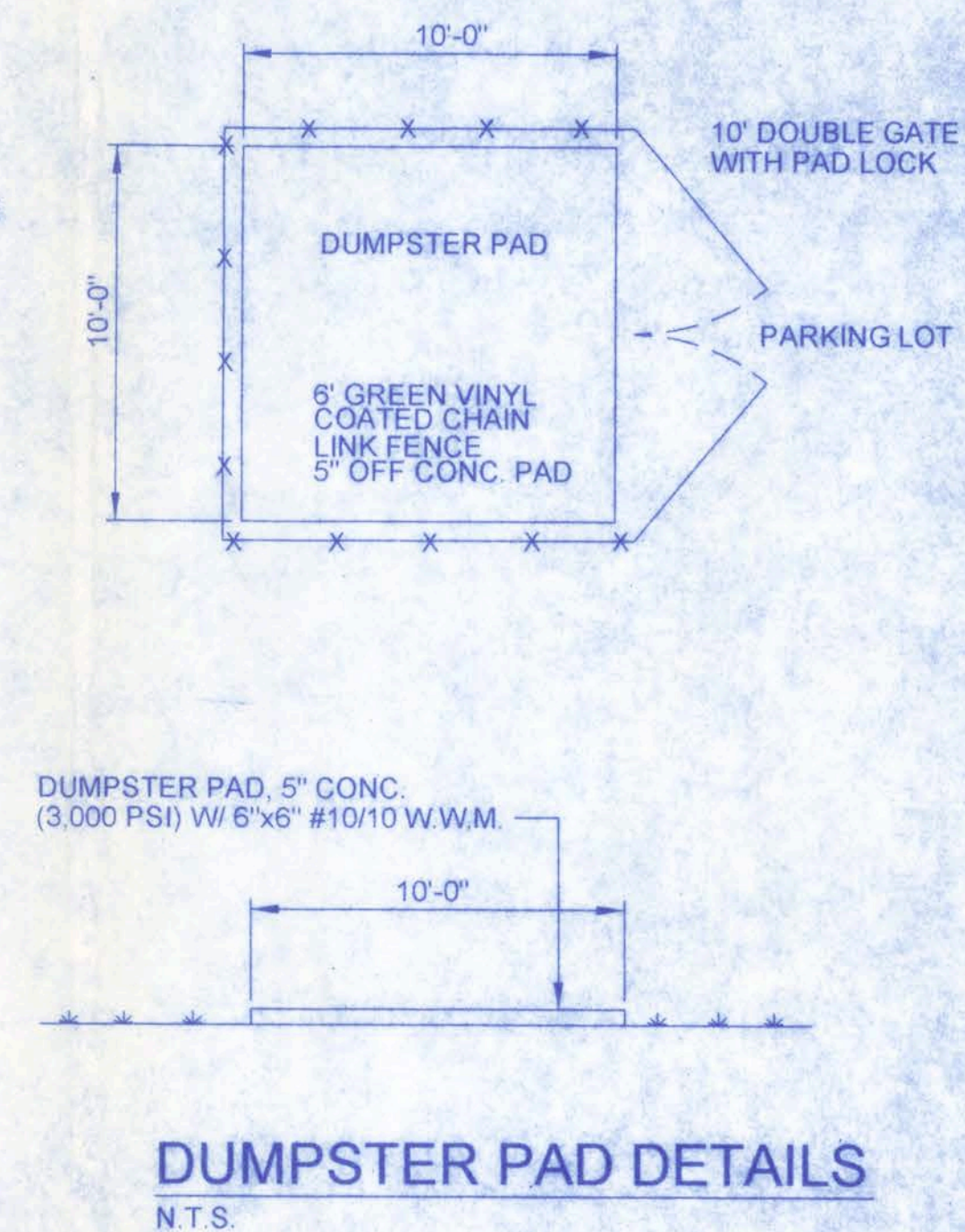
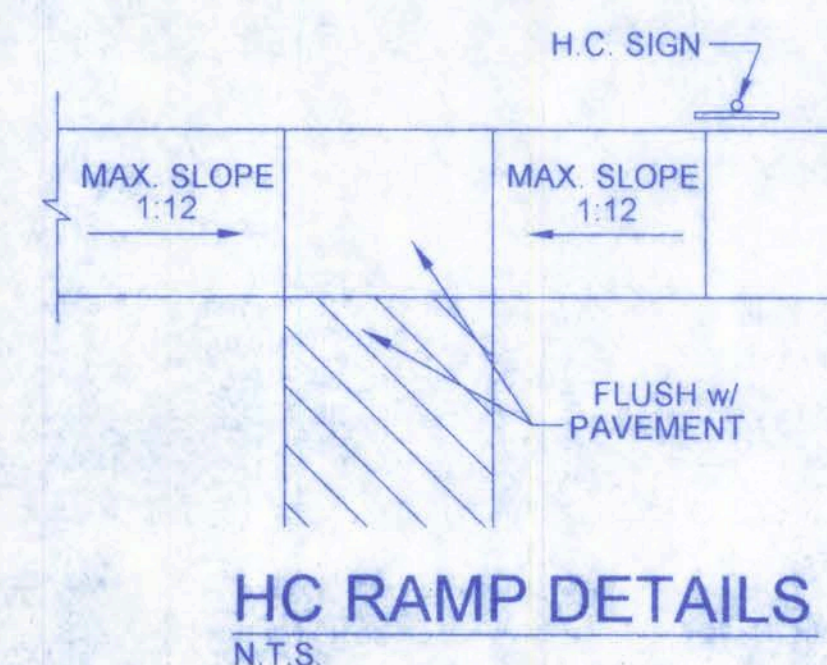
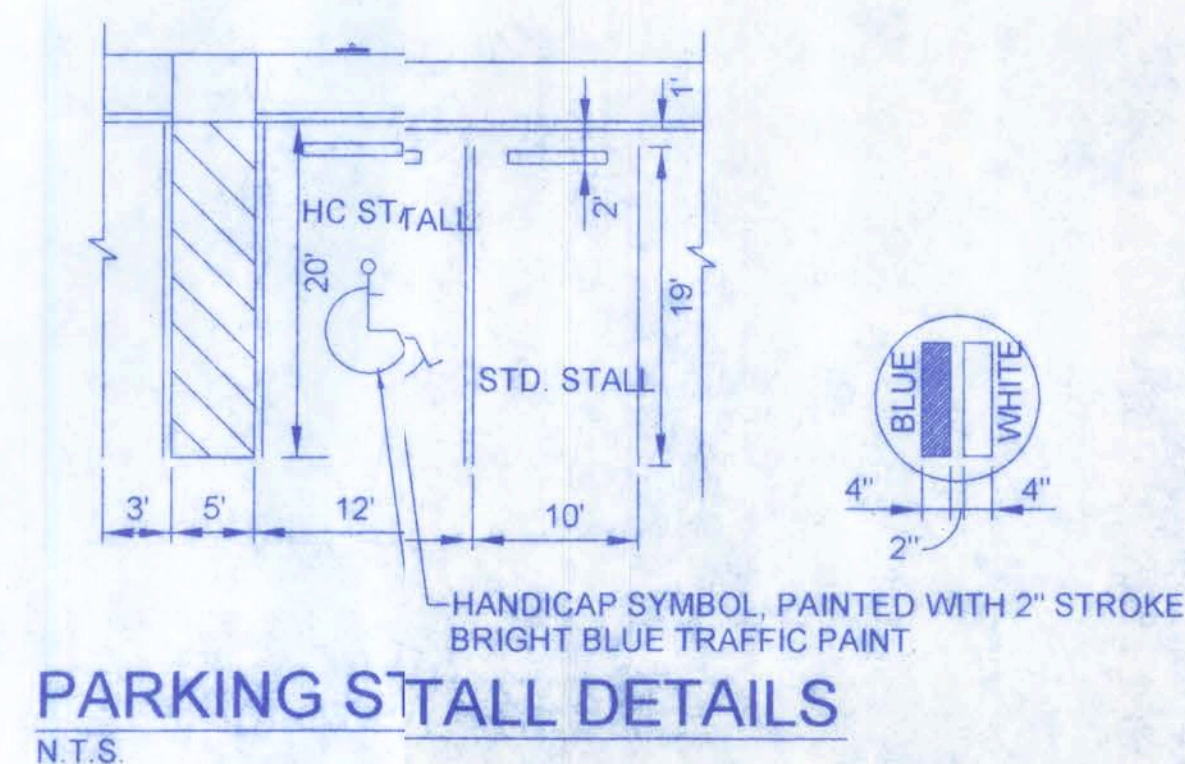
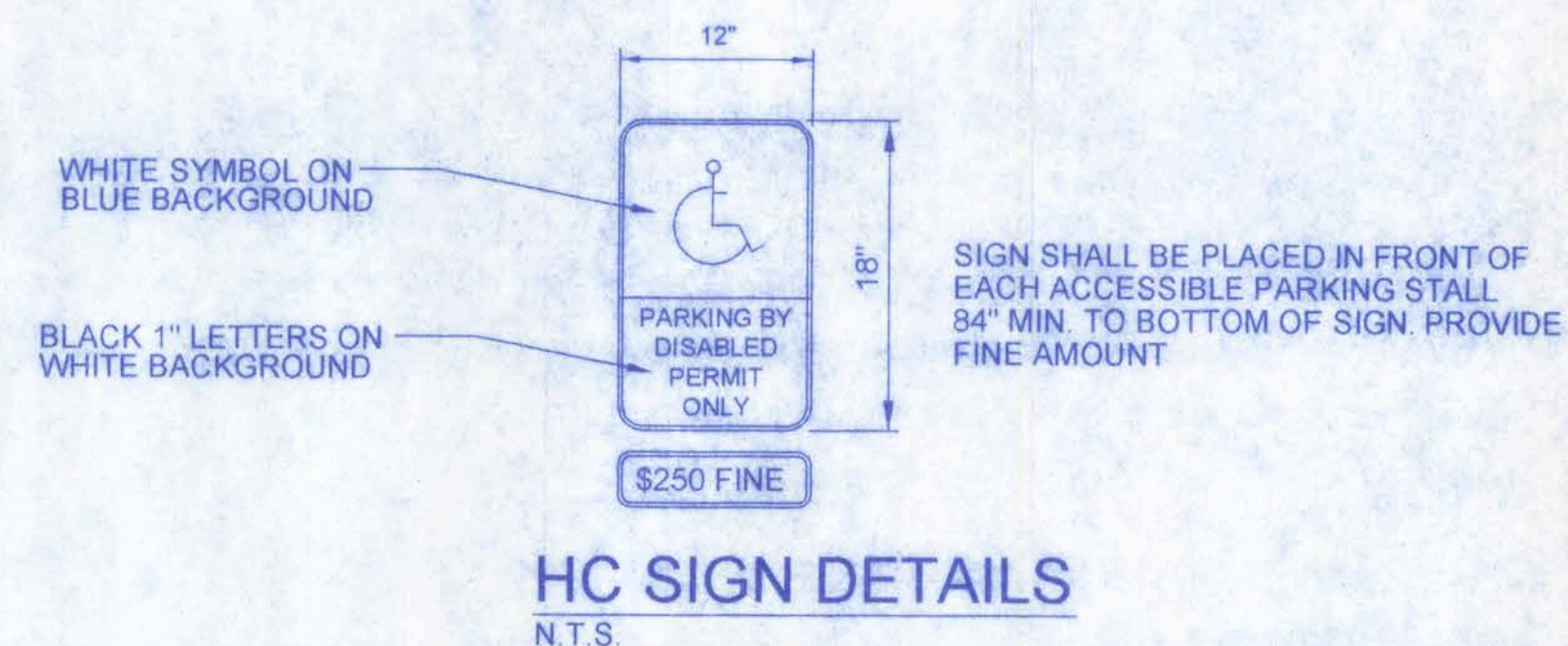
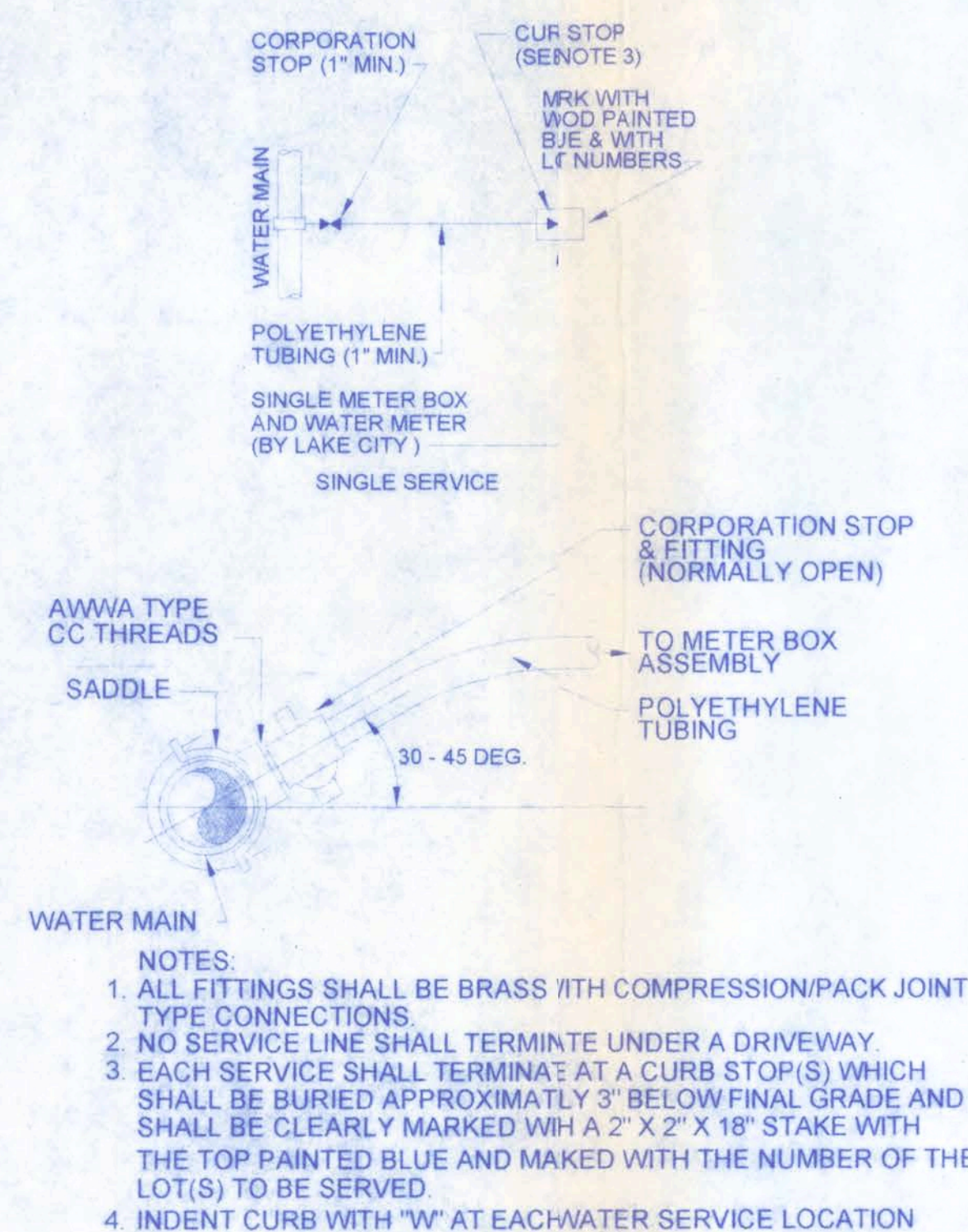
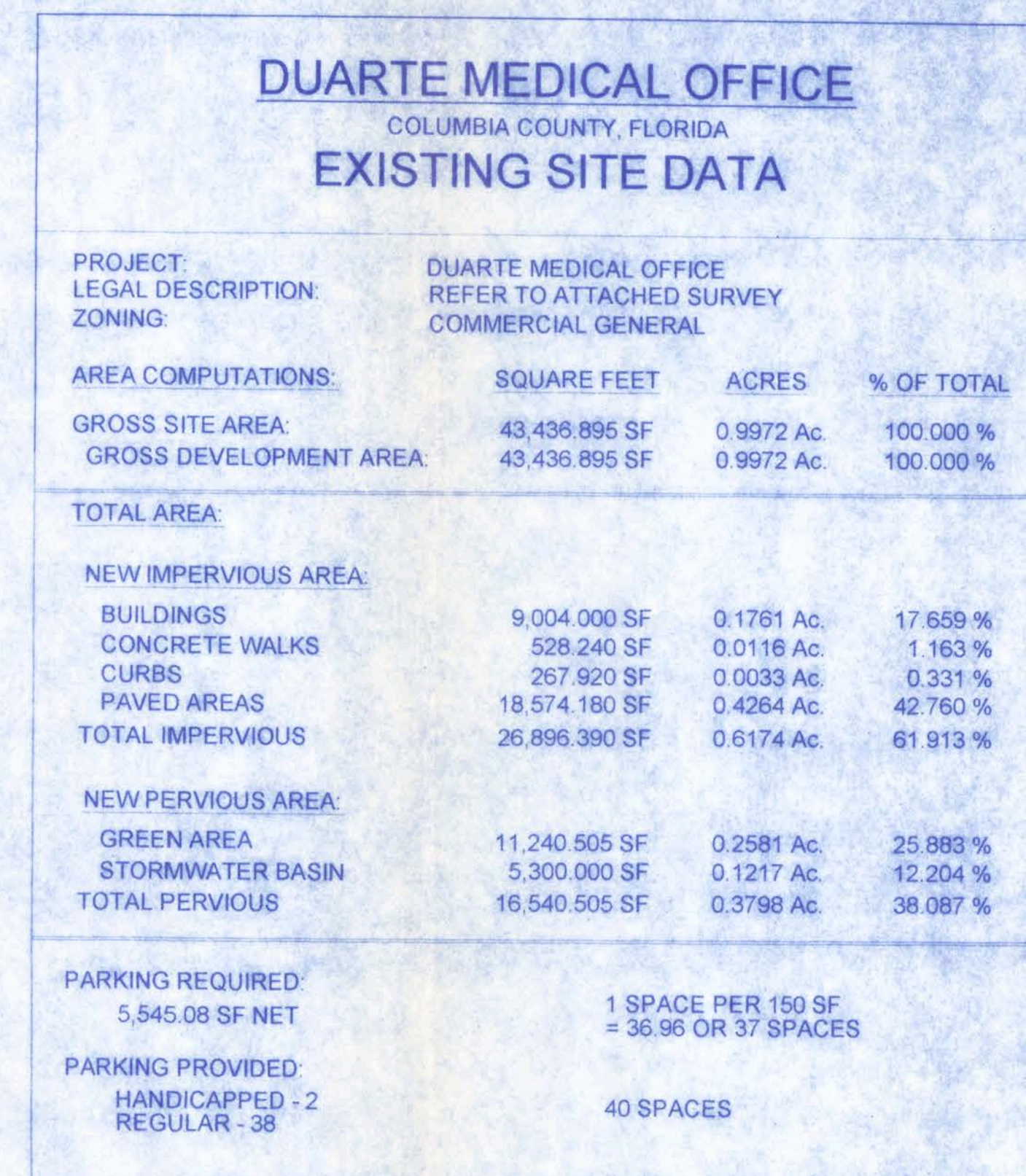
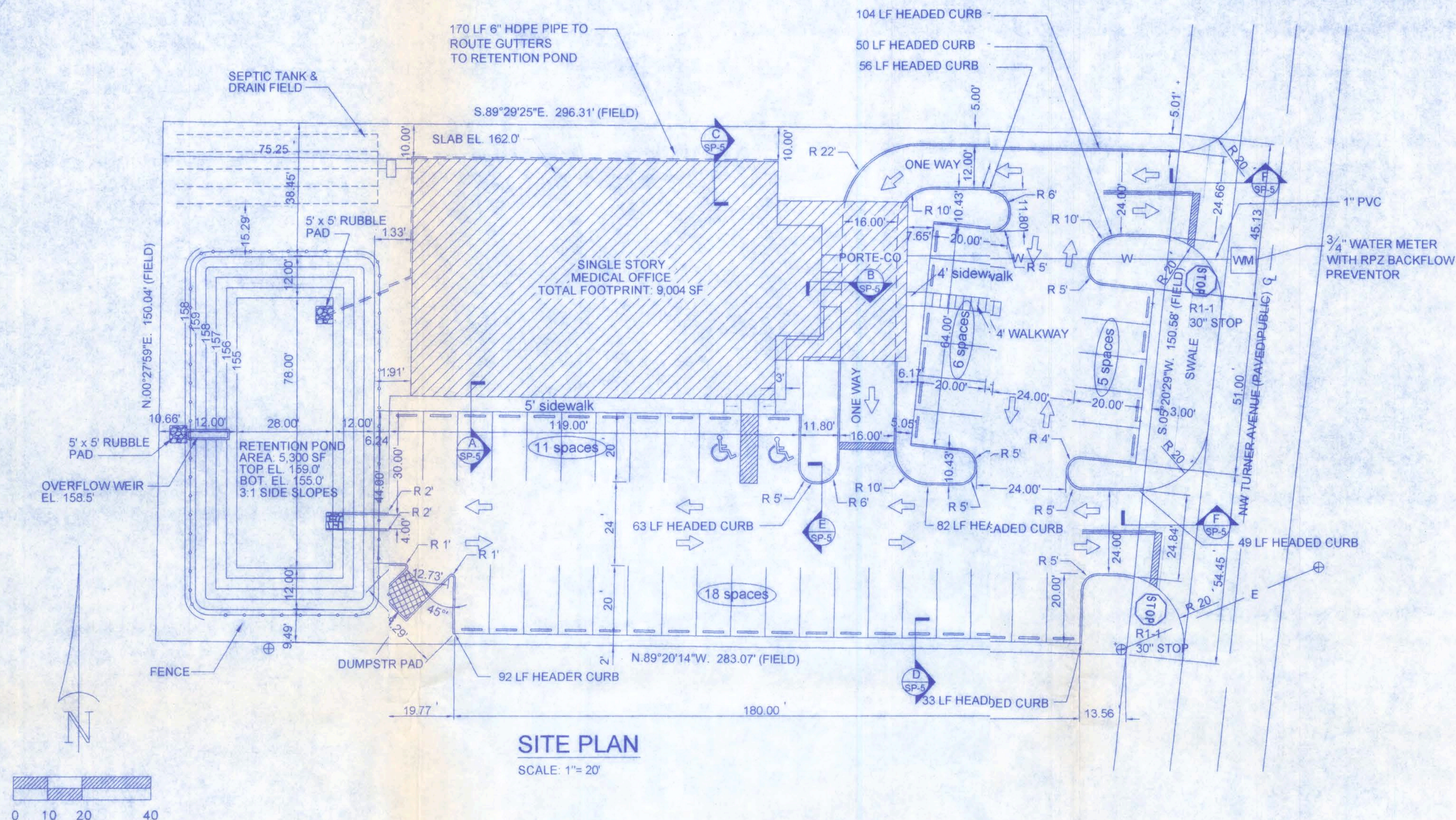
REVISIONS

SHEET SP - 2

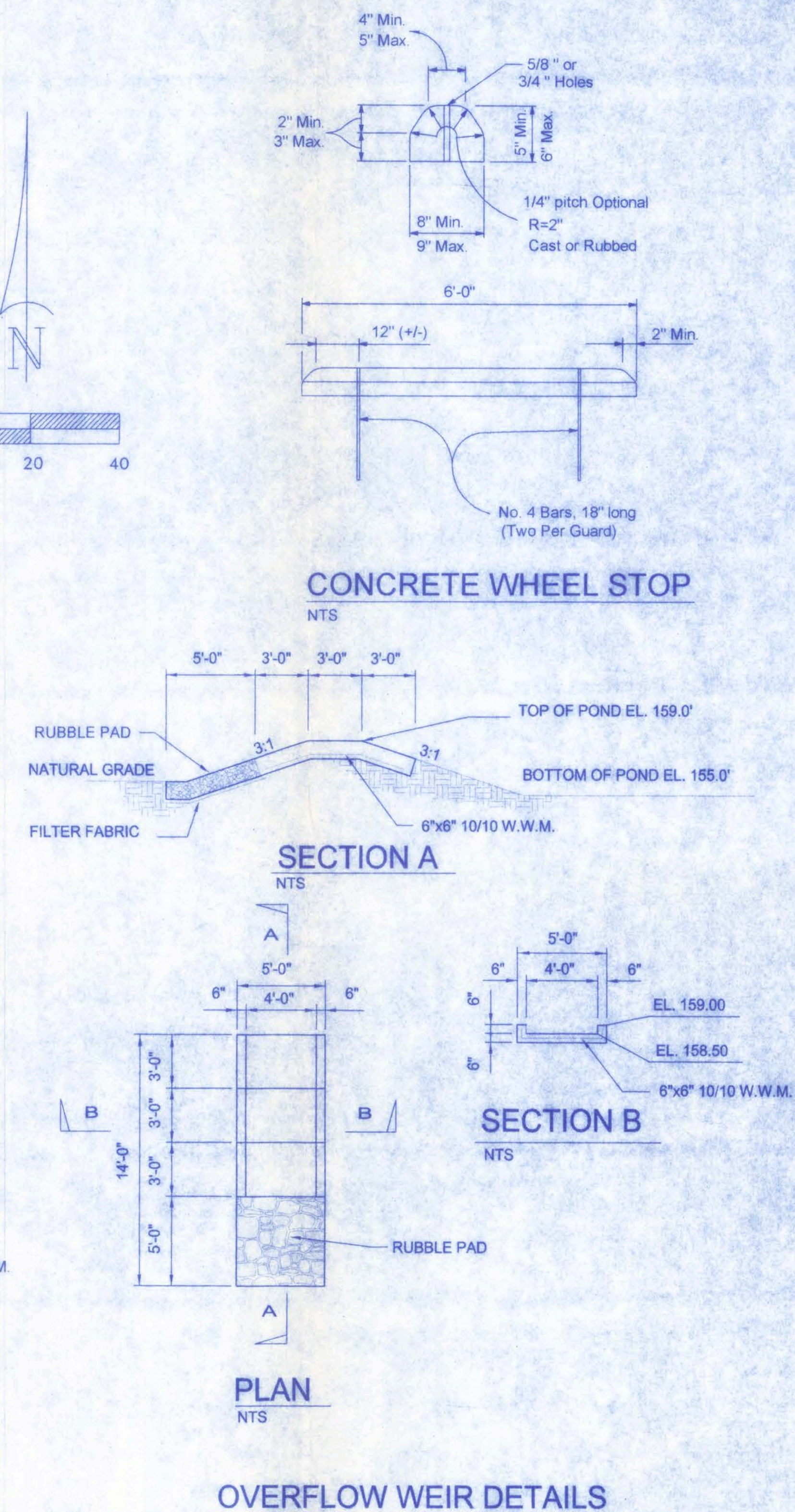
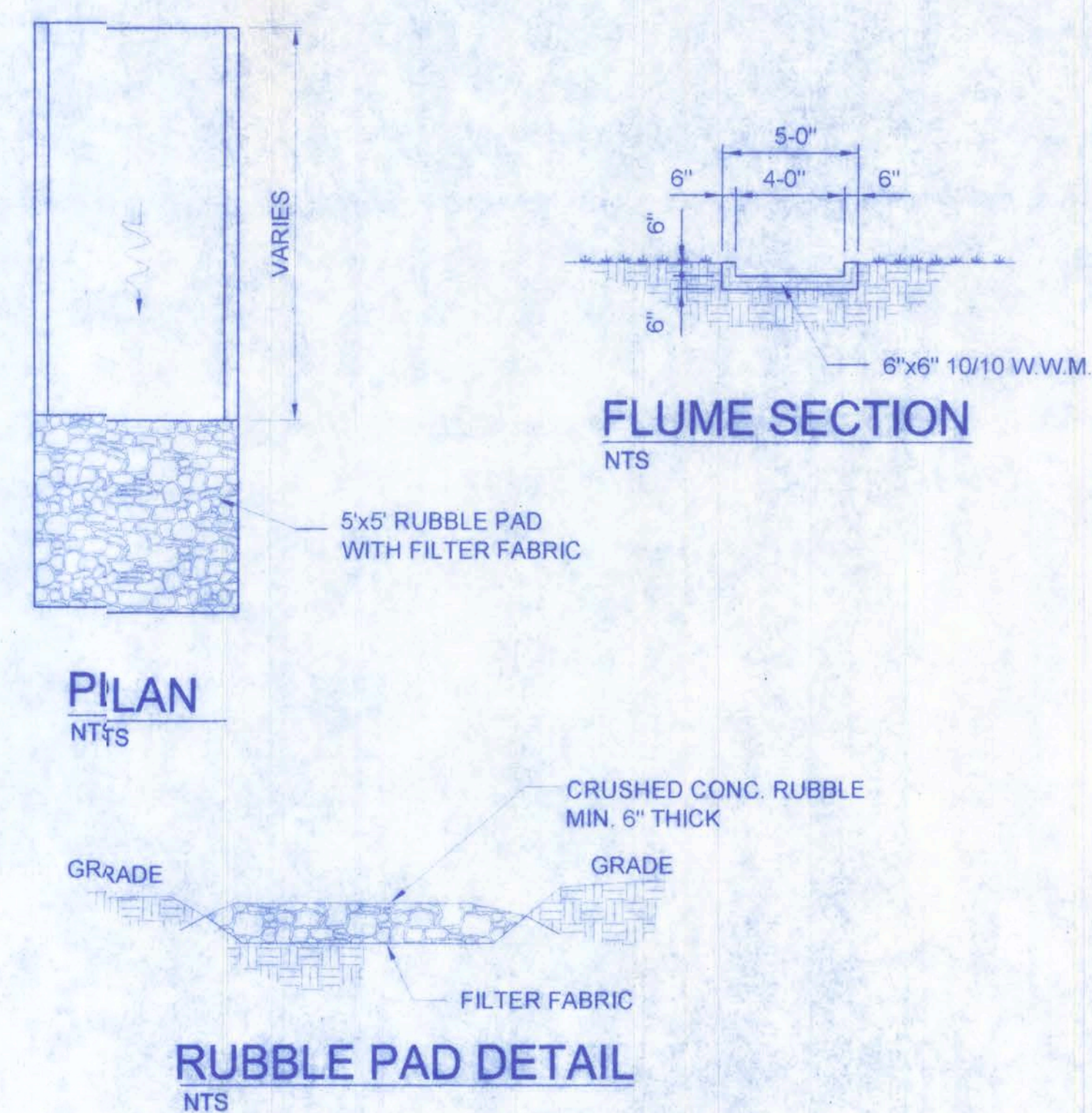
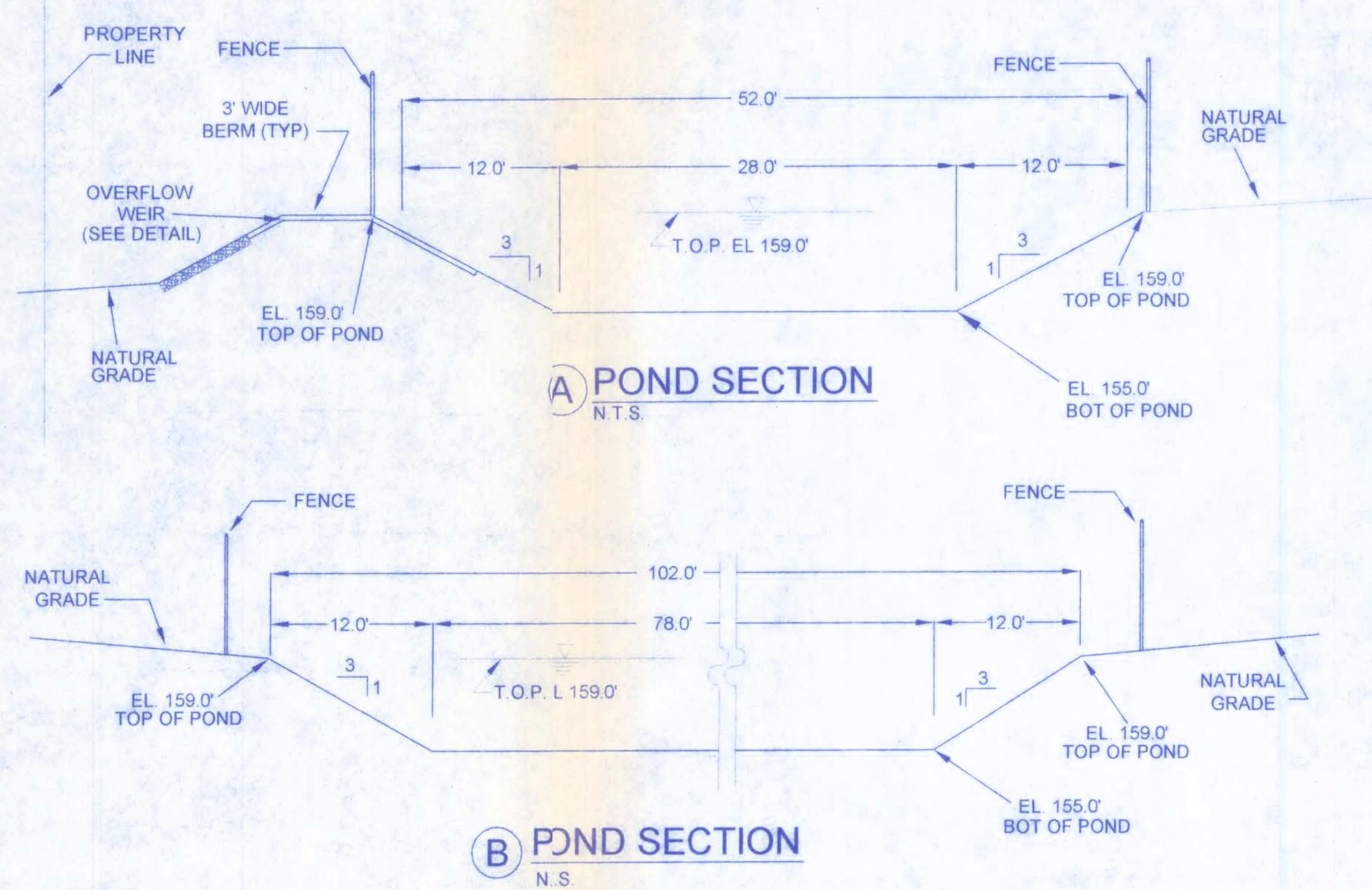
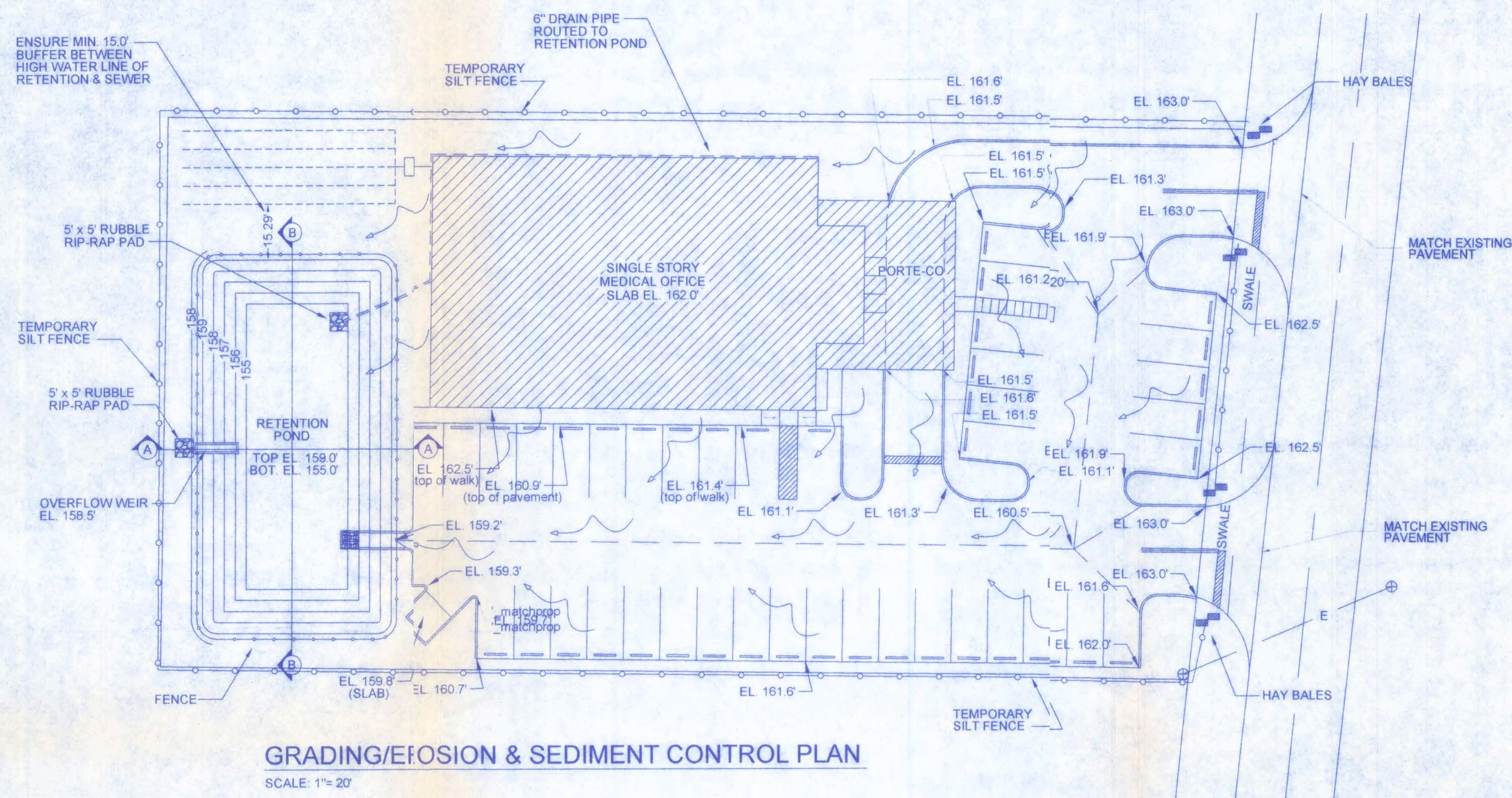
OF 2

PROJECT NO

07.C053



DUARTE MEDICAL OFFICE



DUARTE MEDICAL OFFICE

161 N.W. MADISON STREET
SUITE #102
LAKE CITY, FL 32055
(386) 758-4209

**Freeman
Design Group** INC.

DATE 12/13/07	DRAWN BY JTD APPROVED WHF
REVISIONS	
SHEET OF	SP-4 5
PROJECT NO. 07-0023	

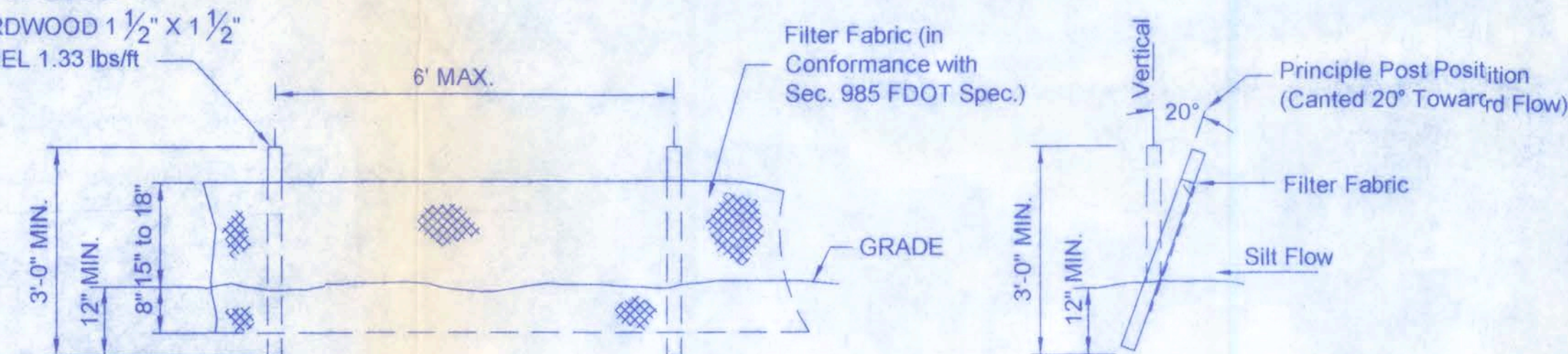
EROSION CONTROL PLAN

1. TEMPORARY GRASSING SHALL BE USED ON ALL AREAS OF DISTURBED SOIL WITH SLOPES FLATTER THAN 3:1.
2. ALL DISTURBED AREAS WITHIN THE LIMITS OF CONSTRUCTION WITH A PROPOSED SLOPE OR FINISHED GRADE SLOPE OF 4:1 OR STEEPER SHALL BE COMPLETELY COVERED WITH CERTIFIED COASTAL BERMUDA GRASS OR AN APPROVE ALTERNATIVE GRASS SOD. THIS PROVISION SHALL BE MET A MINIMUM OF 24 HOURS IN ADVANCE OF ANY PLANNED PAVING OR CONCRETE POUR THAT IS APPROVED UNDER THE DOT ACCESS OR DRAINAGE PERMIT.
3. PROVIDE SILT FENCE BARRIERS OR STRAW BALES AT ALL LOCATIONS WHERE SHEETFLOW RUNOFF LEAVES THE SITE.

OPERATION AND MAINTENANCE PLAN

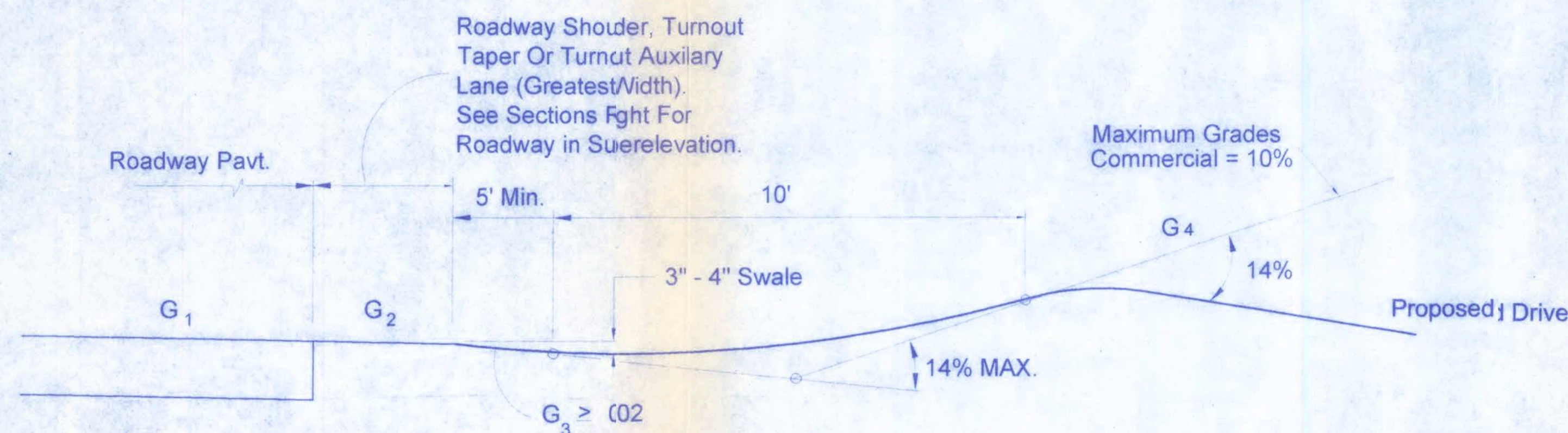
1. ALL SURFACE WATER MANAGEMENT SYSTEMS PERMITTED BY THE DISTRICT SHALL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE DESIGN, PLANS, CALCULATIONS, AND OTHER SPECIFICATIONS THAT ARE SUBMITTED WITH AN APPLICATION, APPROVED BY THE DISTRICT, AND INCORPORATED BY REFERENCE INTO ANY PERMIT ISSUED.
2. DIOGENES DUARTE SHALL BE RESPONSIBLE FOR ALL OPERATION AND MAINTENANCE OF THE SURFACE WATER MANAGEMENT SYSTEM.
3. SURFACE WATER MANAGEMENT SYSTEMS SHALL BE KEPT FREE OF DEBRIS, TRASH, GARBAGE, OILS AND GREASES, AND OTHER REFUSE THROUGH REGULAR INSPECTION AND MAINTENANCE BY DIOGENES DUARTE.
4. THE SYSTEM SHALL BE REGULARLY INSPECTED AND MAINTAINED BY DIOGENES DUARTE TO INSURE THAT ALL EROSION IS CONTROLLED AND SOIL IS STABILIZED TO PREVENT SEDIMENT DISCHARGE TO WATERS IN THE STATE.
5. ALL STRUCTURES WITHIN THE SYSTEM SHALL BE REGULARLY INSPECTED AND MAINTAINED ON A REGULAR BASIS BY DIOGENES DUARTE TO INSURE THAT THEY DO NOT BECOME CLOGGED OR CHOKED WITH VEGETATIVE OR AQUATIC GROWTH TO SUCH AN EXTENT AS TO RENDER THEM INOPERABLE.
6. DURING THE LANDSCAPING PHASE OF CONSTRUCTION, NO SOIL OR LANDSCAPING SHALL BE PLACED DIRECTLY ON TOP OF PERVIOUS CONCRETE. THE LANDSCAPER SHALL PROVIDE A TEMPORARY CLOTH OR POLYETHYLENE COVER IN AREAS WHERE SOIL OR LANDSCAPING MAY ENCROACH ON AREAS OF PERVIOUS PAVEMENT. THE COVER SHALL BE REMOVED WITH SPECIAL CARE SO THAT NO EXCESS SOIL MAY SPILL ONTO PERVIOUS CONCRETE.

POST OPTIONS:
SOFTWOOD 2 1/2" DIA.
SOFTWOOD 2" x 4"
HARDWOOD 1 1/2" x 1 1/2"
STEEL 1.33 lbs/ft



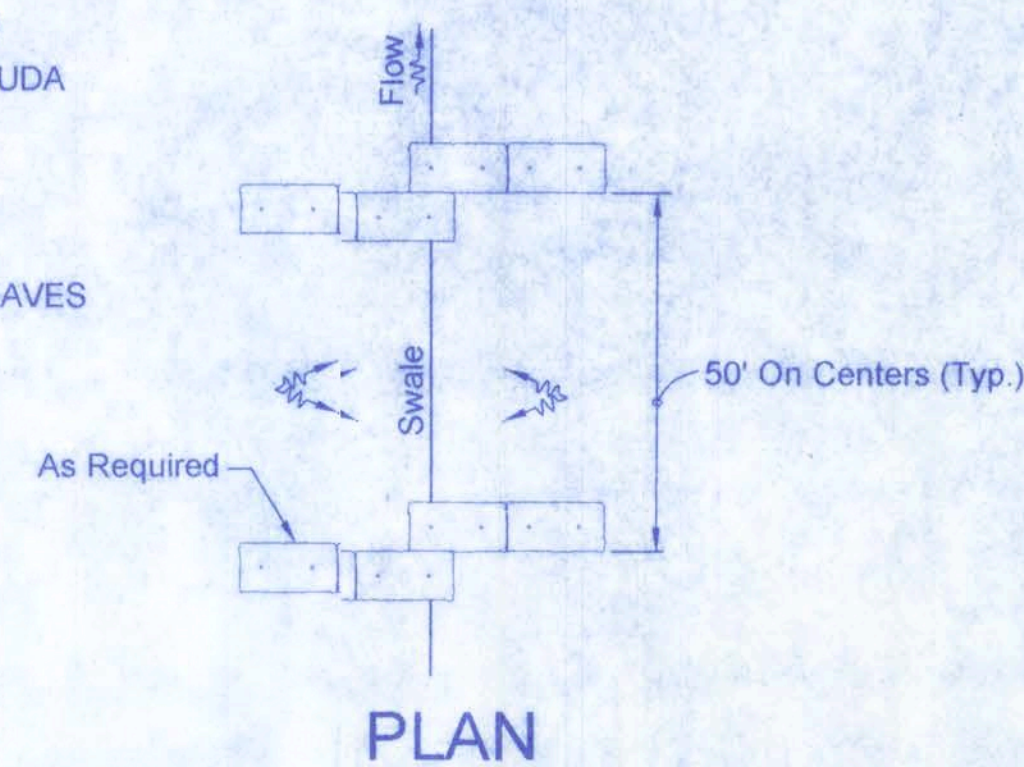
TEMPORARY SILT FENCE DETAIL

SCALE: T.S.

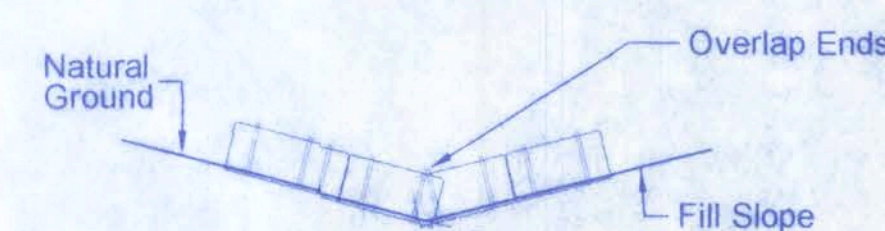


DRIVEWAY SWALE PROFILE

SCALE: N.T.S.

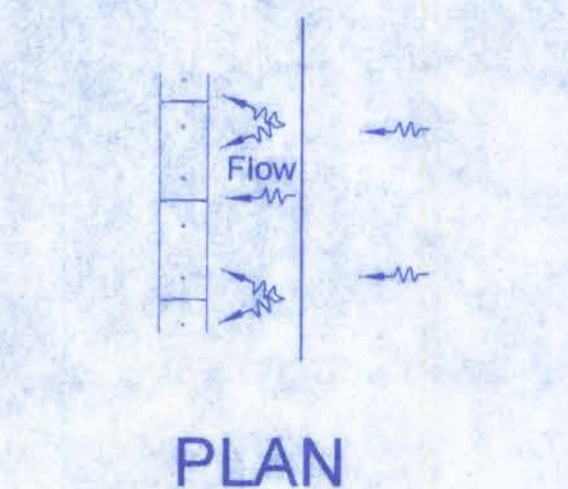


PLAN

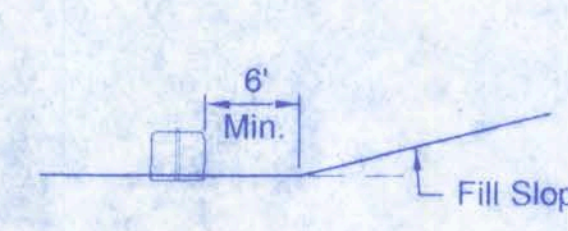


ELEVATION

TO BE USED WHERE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE



PLAN

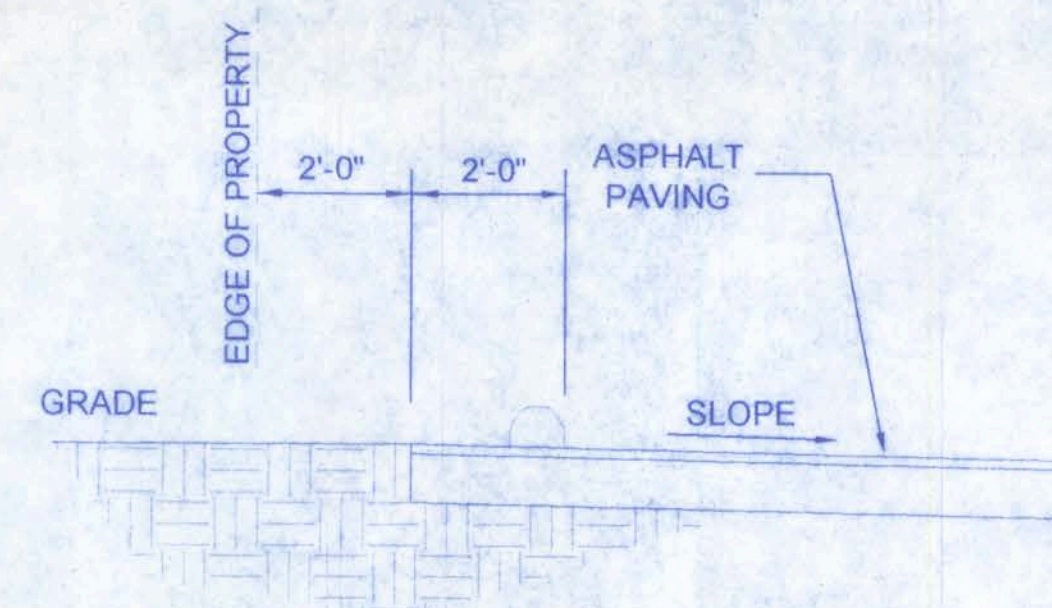


ELEVATION

TO BE USED WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

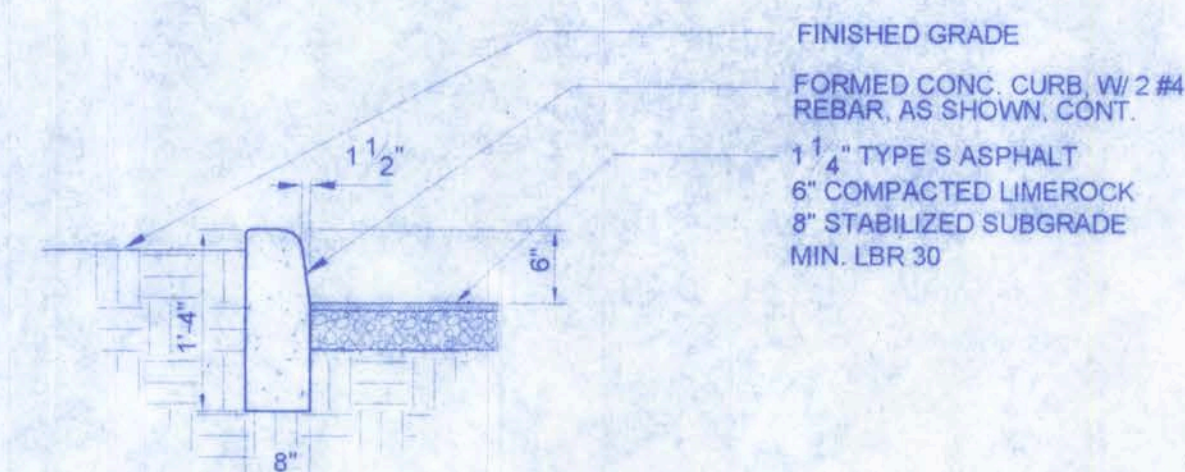
NOTES FOR BALED HAY OR STRAW BARRIERS:

1. HAY BALES SHALL BE TRENCHED 3" TO 4" AND ANCHORED WITH 2 - 1" x 2" (OR 1" DIA.) x 4' WOOD STAKES.
2. ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER. UNAVOIDABLE GAPS SHALL BE PLUGGED WITH HAY OR STRAW TO PREVENT SILT FROM PASSING.
3. WHERE USED IN CONJUNCTION WITH SILT FENCE, HAY BALES SHALL BE PLACED ON THE UPSTREAM SIDE OF THE FENCE.



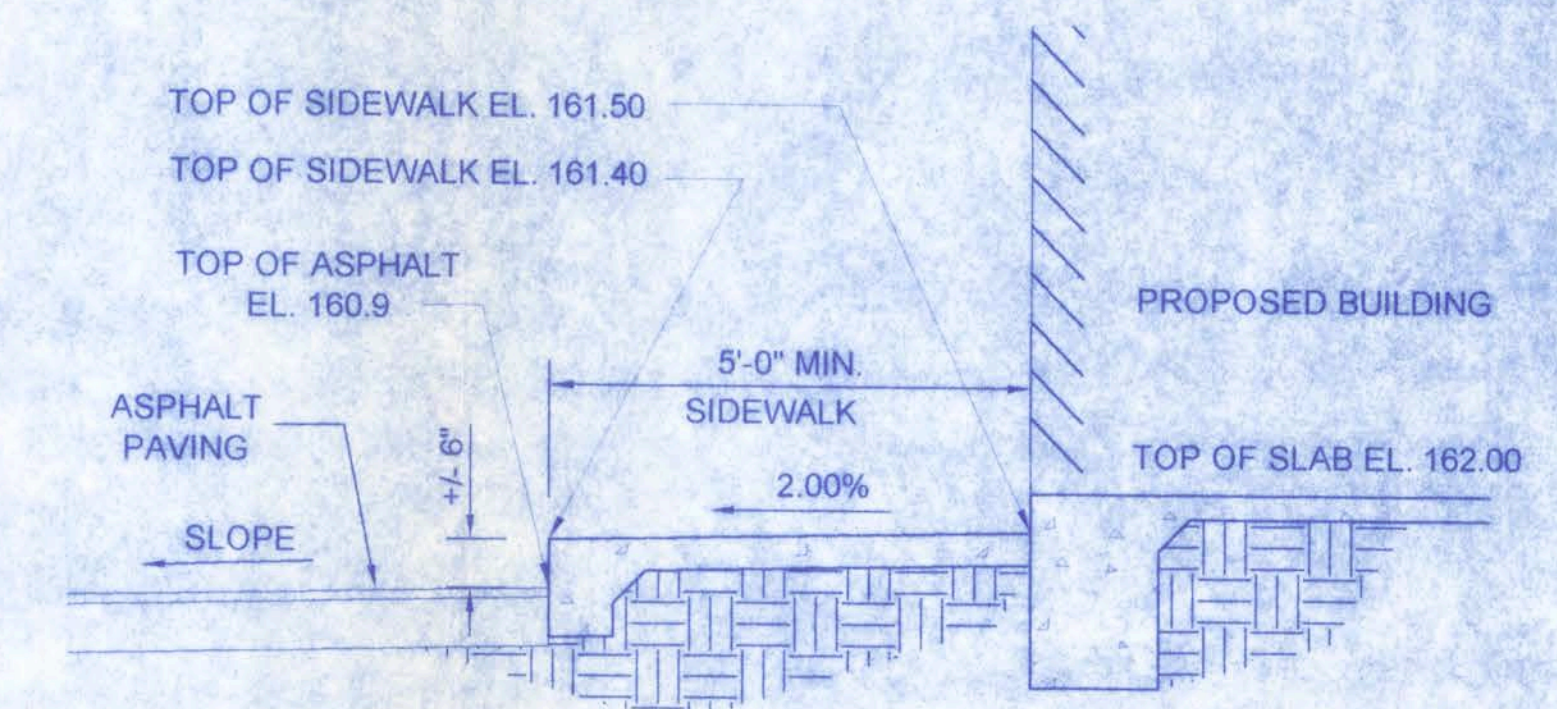
SECTION

NTS



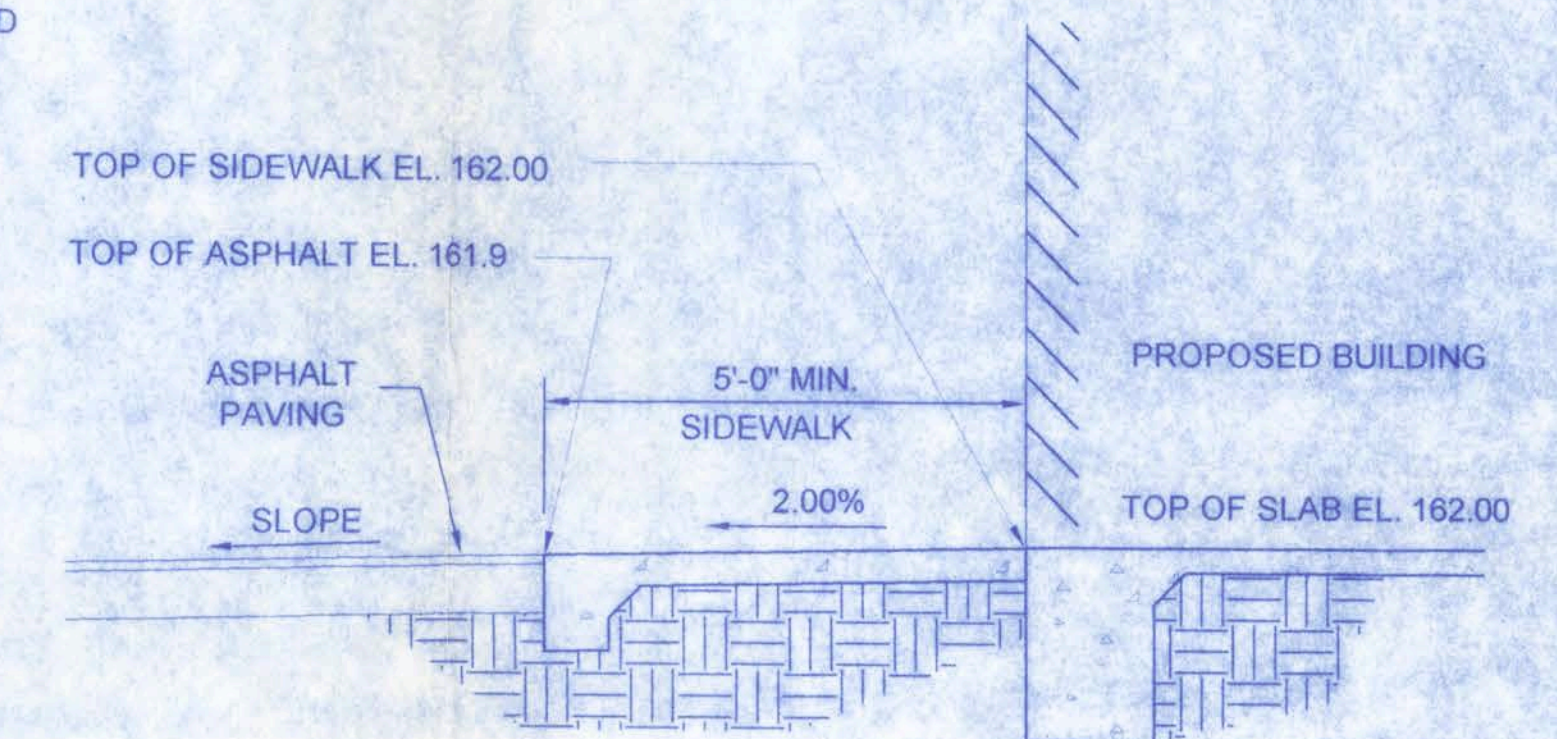
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NTS



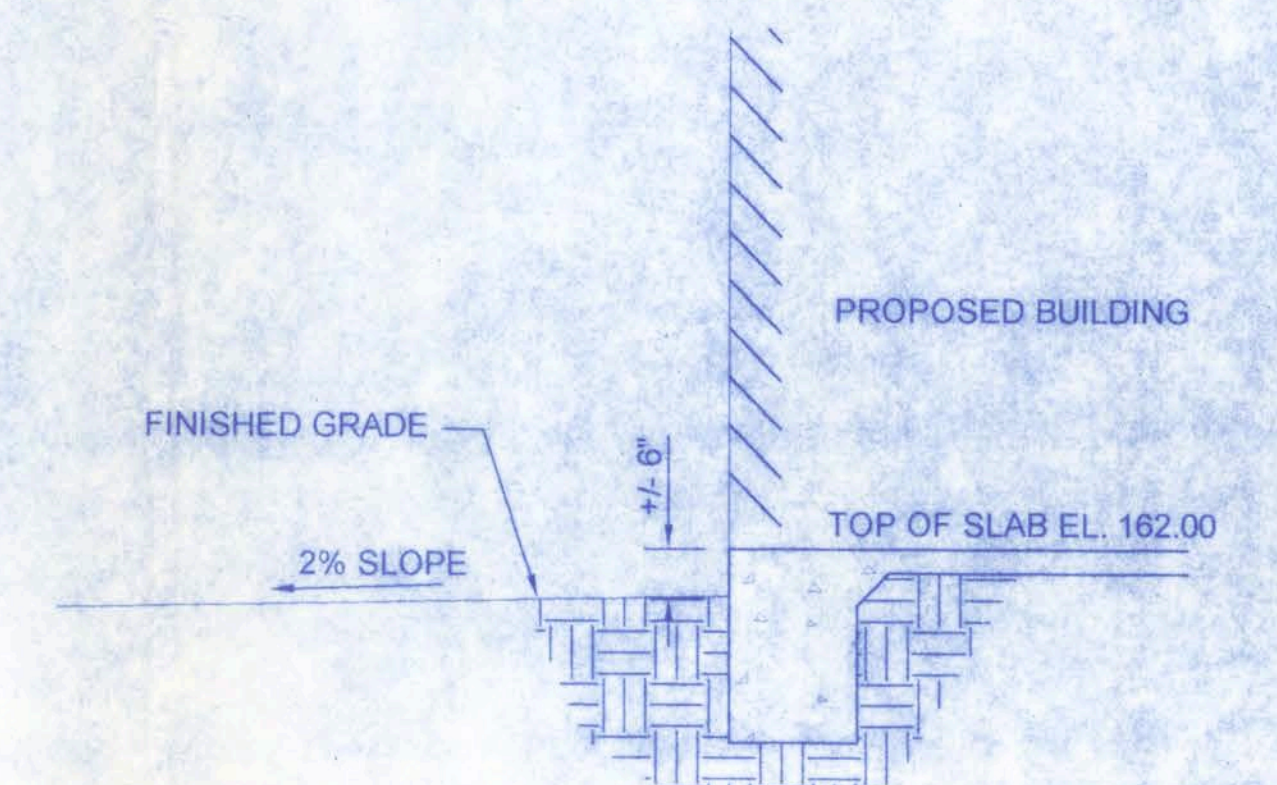
SECTION

NTS



SECTION

NTS



SECTION

NTS

DUARTE MEDICAL OFFICE

161 N.W. MADISON STREET
SUITE #102
LAKE CITY, FL 32055
(386) 758-4209

Freeman
Design Group Inc.

DATE 1/12/07
DRAWN BY J.T.D.
APPROVED W.H.F.

REVISIONS

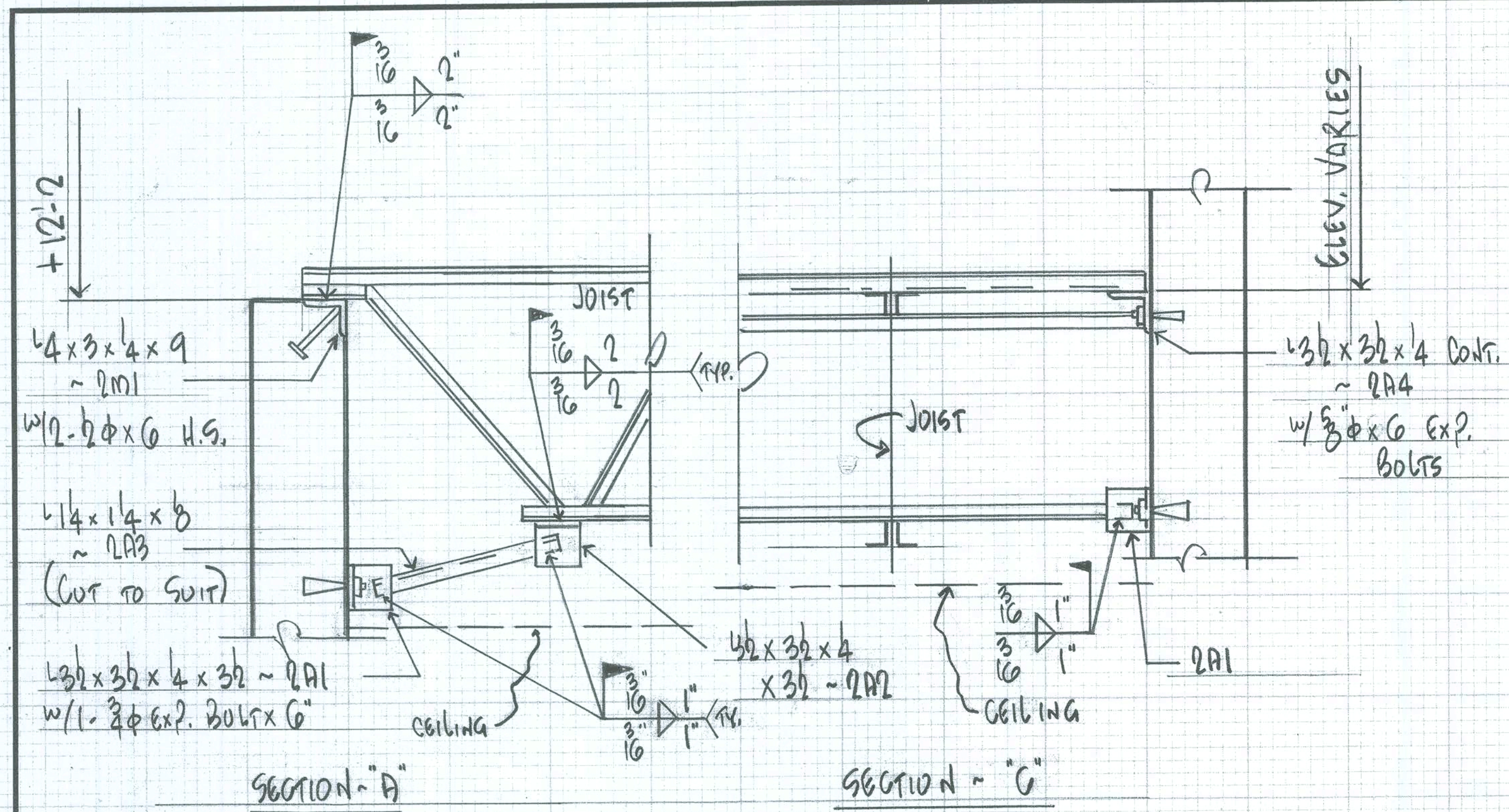
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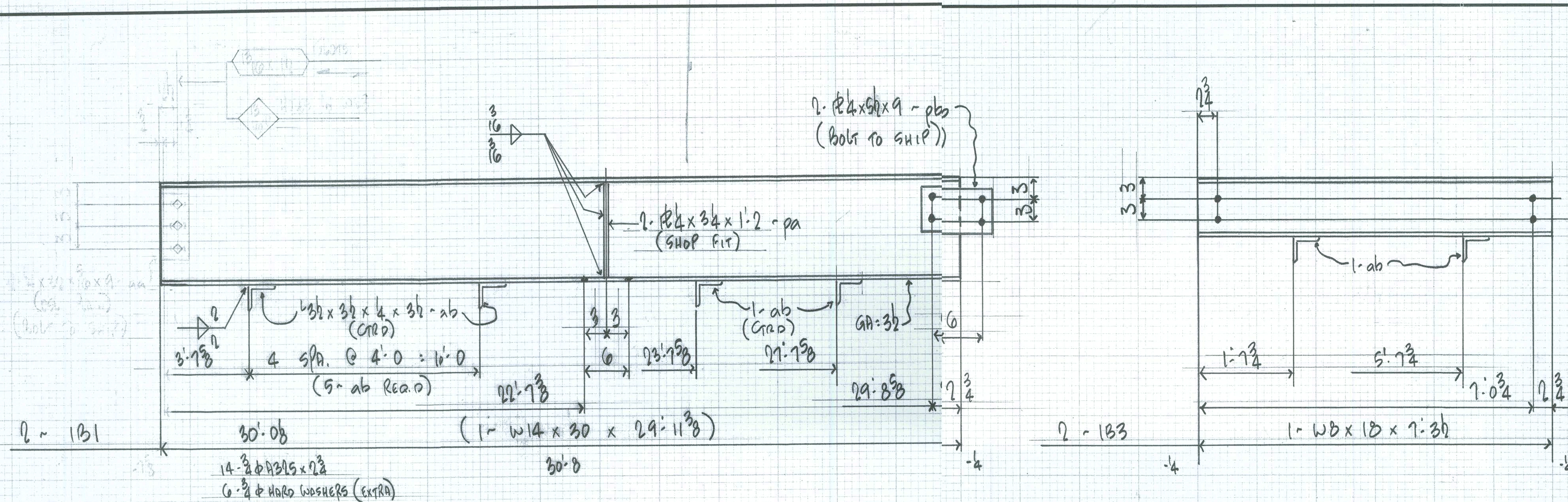
OF 5

PROJECT NO.

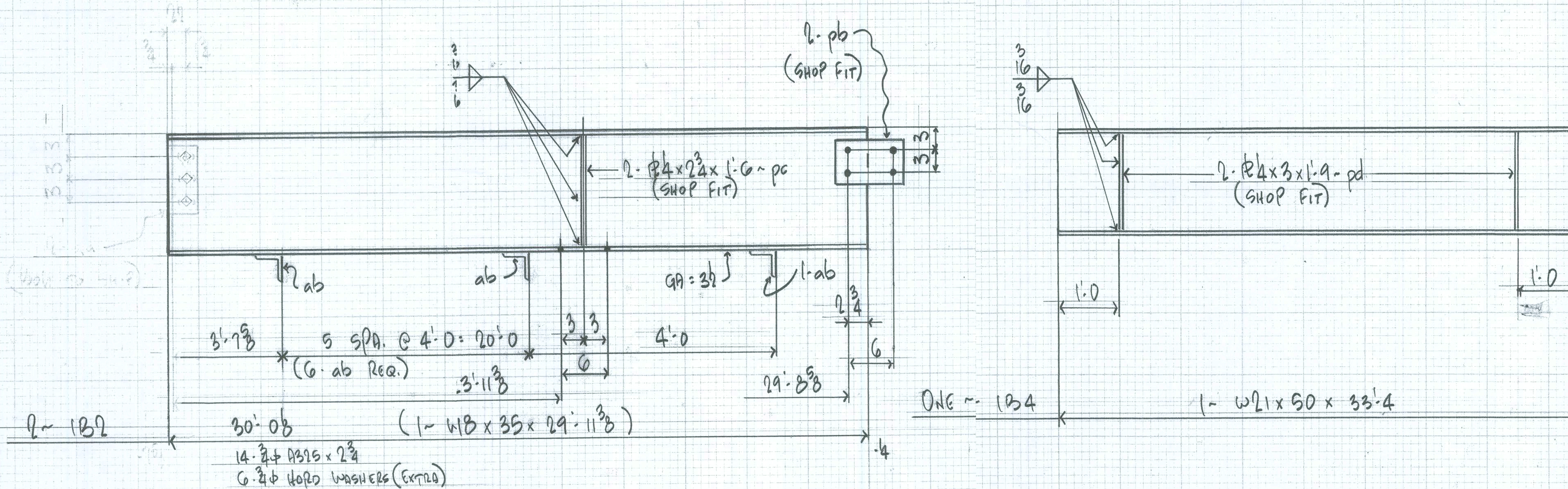
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CERTIFICATE OF AUTHORIZATION # 00006701

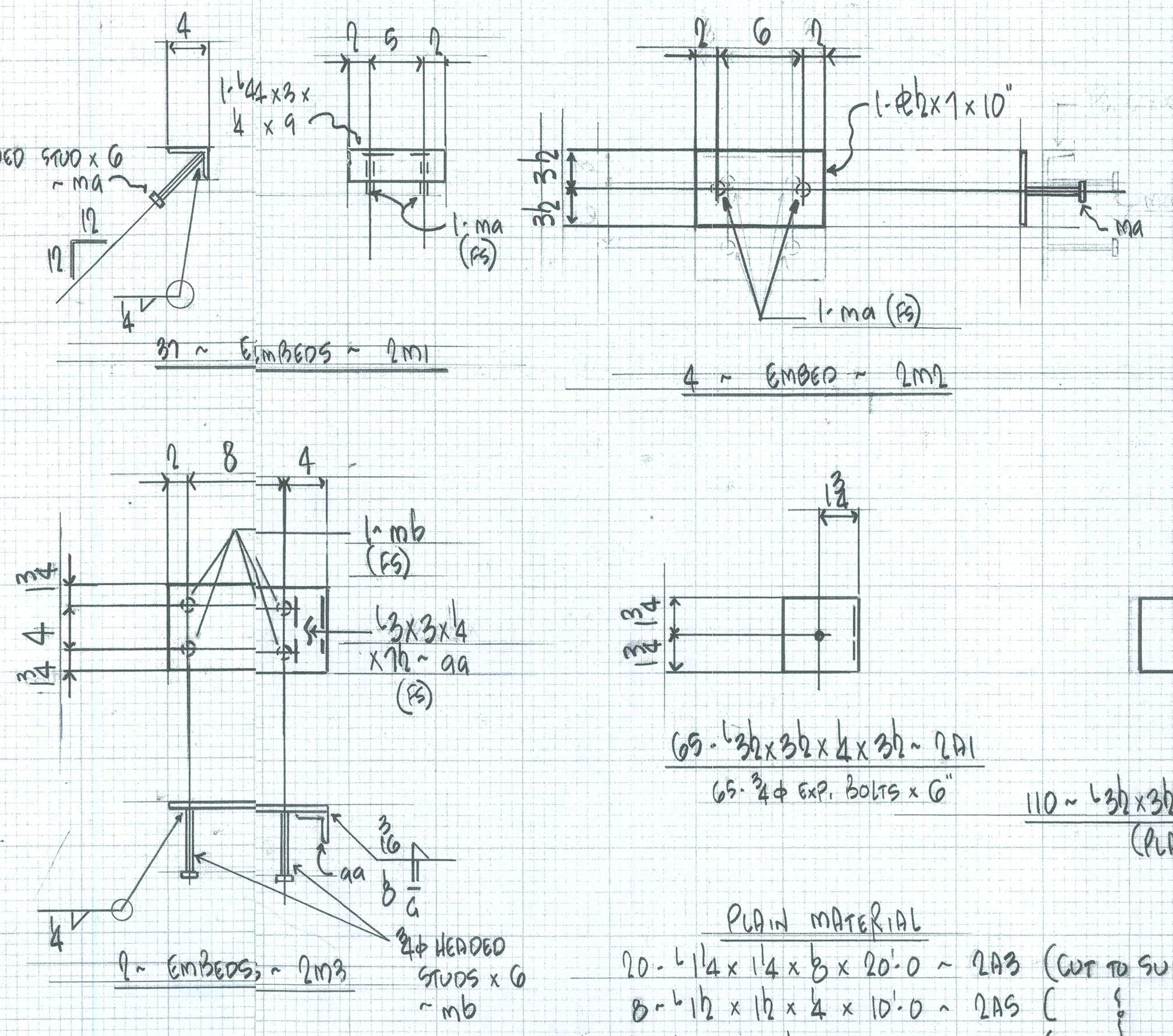
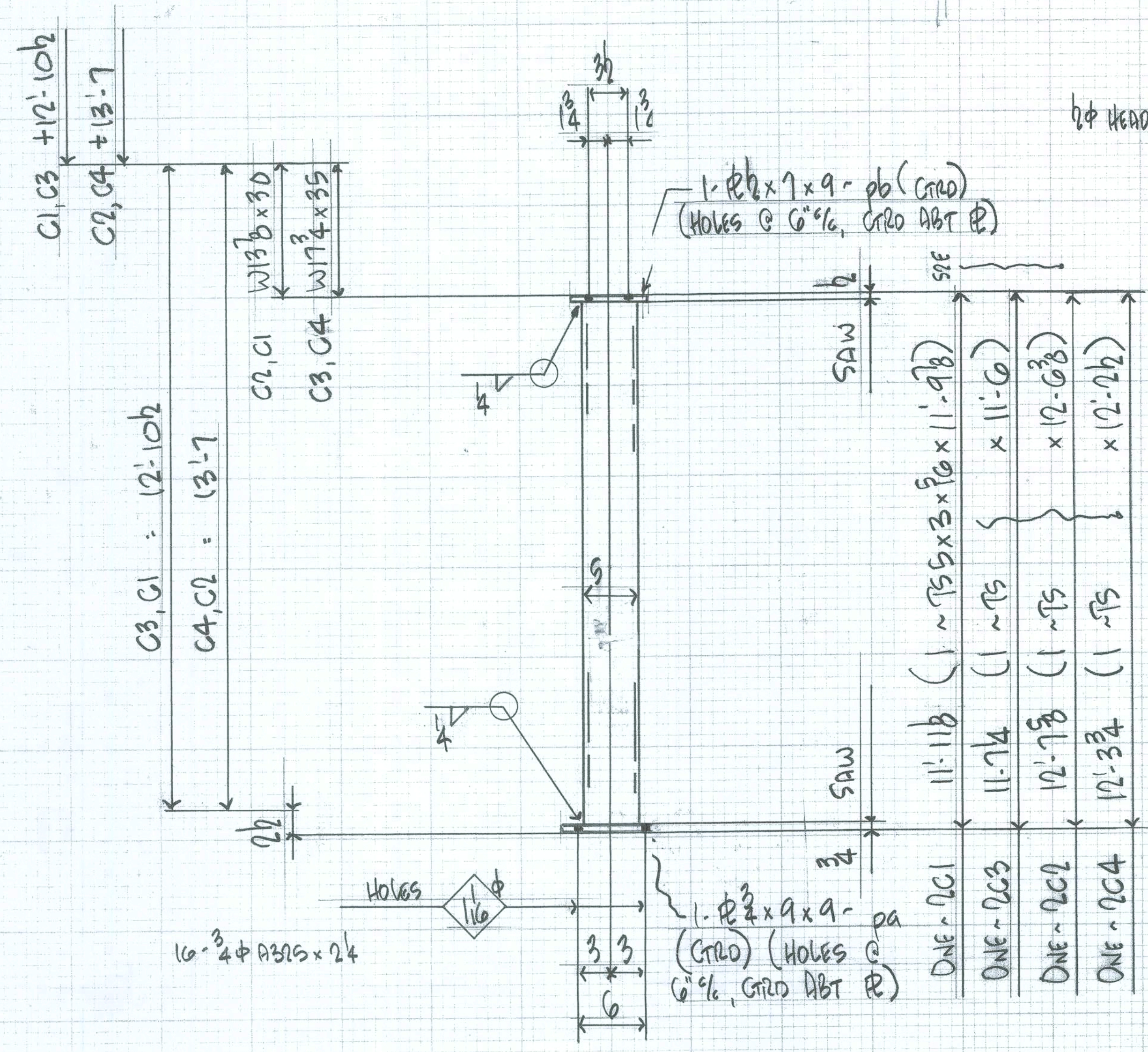




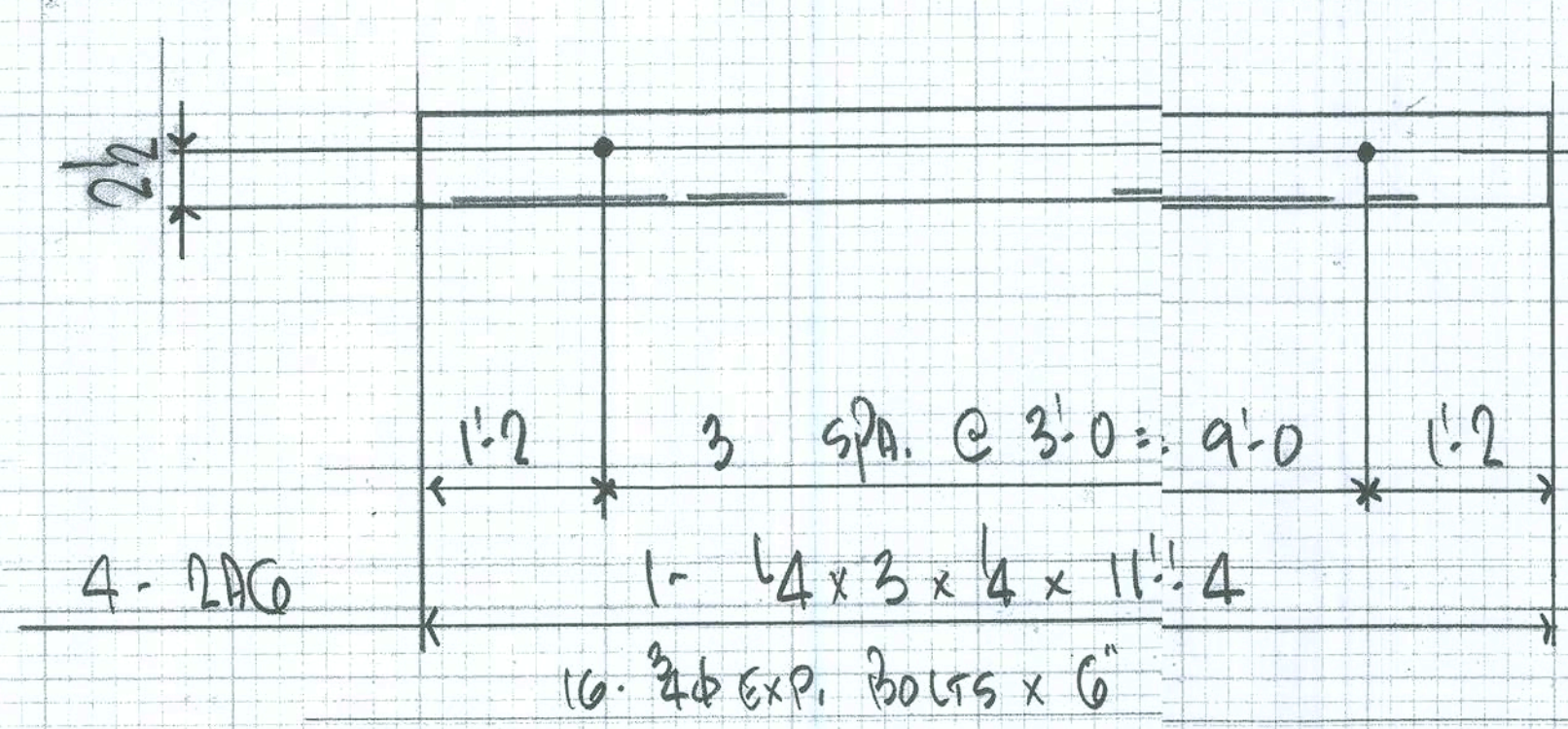
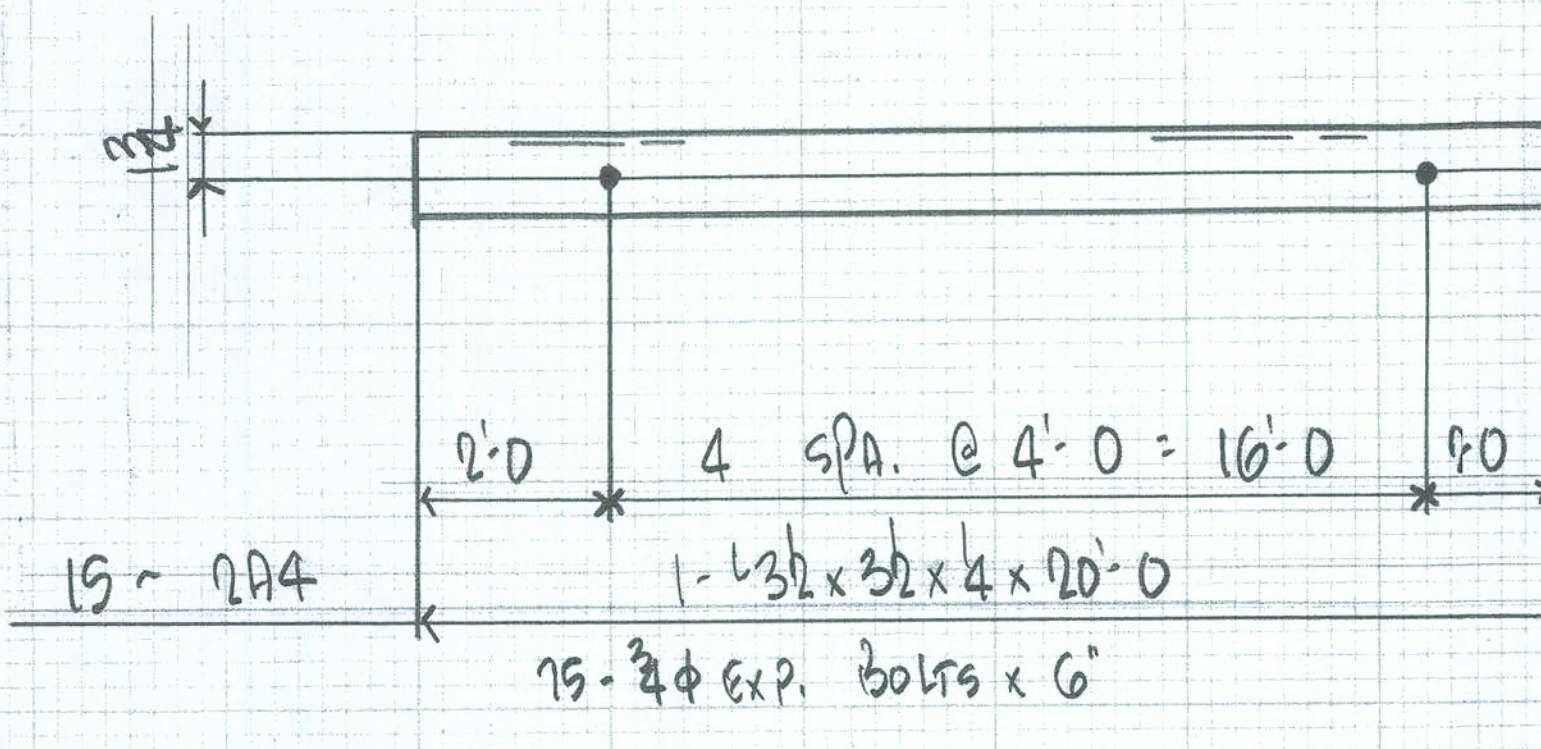
Bill of material			
mem	STEEL MATERIAL	SIZE	QTY.
1B1	W14x30	29'-11 3/8"	2
pa	P4x34	1'-2"	4
pb	P4x52	0'-9"	4
ab	3/8"x3/8"x4	0'-3/8"	14
1B3	W8x18	7'-3/8"	2
ab			4
1B2	W18x35	29'-11 3/8"	2
pb			4
ab			14
pc	P4x23 1/2	1'-6"	4
1B4	W21x50	33'-4"	ONE
pd	P4x3	1'-9"	4



STAMPS ONLY		
DONE J. KENNEY, JR. CONSULTING STRUCTURAL ENGINEER JACKSONVILLE, FLORIDA		
<div style="text-align: right;"> <i>D. D. Quate</i> 12/1/02 </div>		
PROCOR BALDWIN, FLA		
HOLES _____ UON _____ WELD _____ PAINT _____ _____ _____	DWG. OF <u>BEAMS</u> JOB <u>NEW OFF. FACILITIES FOR</u> <u>DR. D. QUATE, M.D.</u> LOCATION <u>LAKE CITY, FLA.</u> CUSTOMER <u>ONEAL</u>	
NO. FOR DATE APP _____ APP _____ SHP _____ FLD _____ ERC _____	ARCH/ENGR <u>NICHOLAS PAUL GEISLER</u> DRAWN BY <u>JS</u> CHECKED BY _____ DATE <u>6-08</u> DATE _____ JOB NO. _____ SHEET NO. <u>01</u>	



PLAIN MATERIAL
 20-#1/4 x 1/4 x 3/8 x 20'-0" ~ 2A3 (CUT TO SUIT)
 8-#1/2 x 1/2 x 1/2 x 10'-0" ~ 2A5 ()
 3-#4 x 4 x 4 x 20'-0" ~ 2A7 ()

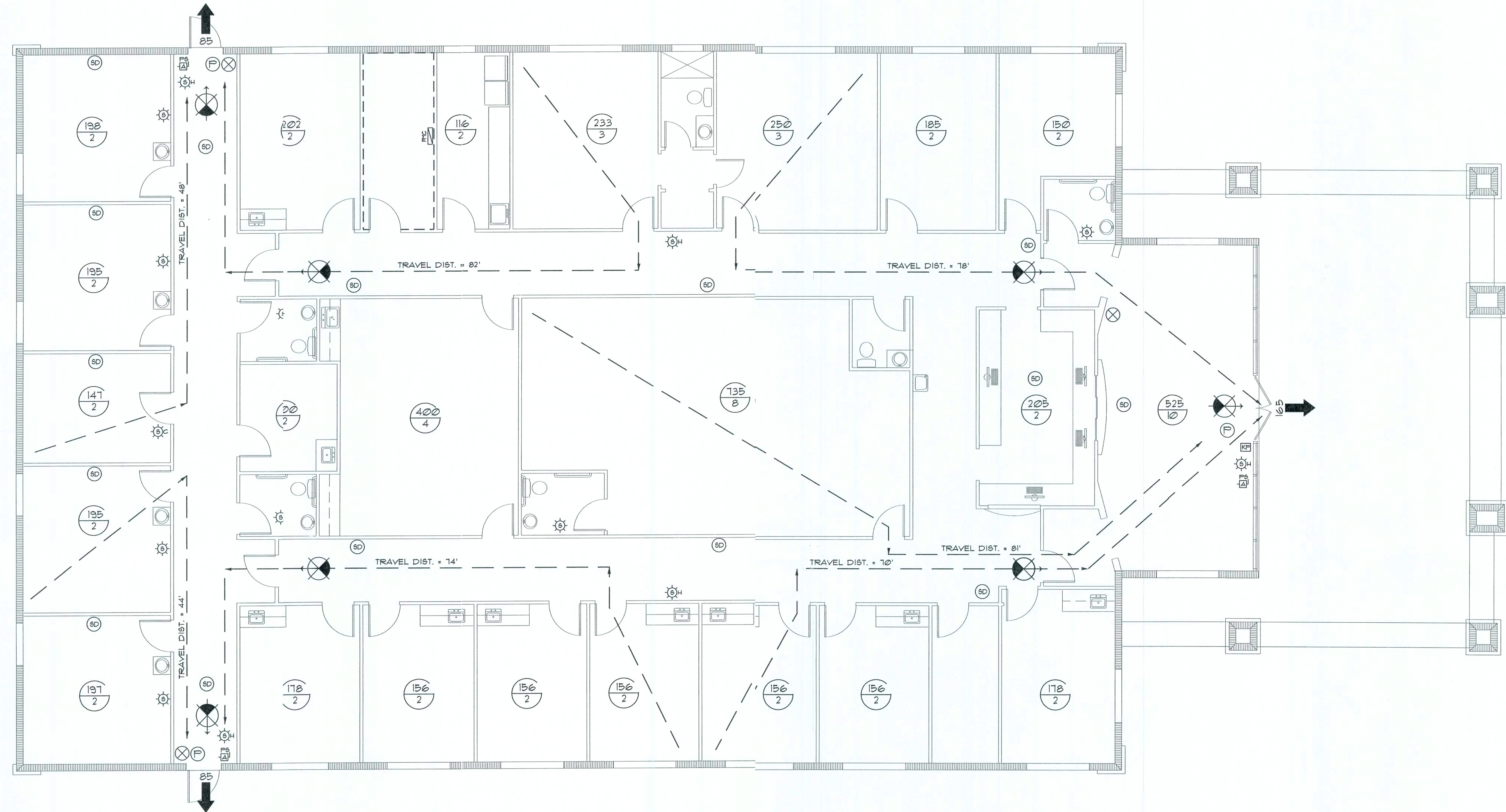


APPROVER: PLEASE VERIFY THIS DIM. ADEQUATE TO SUPPORT BACK.
 REF. ~ E & F / S.S. OF G

STAMPS ONLY	
DOVE J. KENNEY, JR. CONSULTING STRUCTURAL ENGINEER JACKSONVILLE, FLORIDA	
12/15/88	
PROCOR BALDWIN, FLA.	
HOLES: 16# UON	DWG. OF CORR. & MISC.
WELD:	JOB: NEW OFFICE FACILITIES FOR
PAINT:	DR. D. DUARTE, M.D.
	LOCATION: LAKE CITY, FLA.
	CUSTOMER: ONEAL
NO. FOR DATE	ARCH/ENGR: NICHOLAS PAUL REISLER
APP	DRAWN BY: JS
APP	CHECKED BY: DK
SHP	DATE: 5-08
FLD	DATE: 5-08
ERC	JOB NO. SHEET NO. 01

REV	DATE	DESCRIPTION

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LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"

LEGEND

- EXIT LIGHT - ARROW REPRESENTS DIRECTION OF EXIT
- SMOKE DETECTOR
- WALL HUNG "ABC" FIRE EXTINGUISHER
- DOOR /CLOSER FOR EXITING OR RATING REASONS
- PANIC DEVICE
- ROOM SQUARE FOOTAGE
- ROOM OCCUPANCY LOAD
- PRIMARY EGRESS W/EXIT CAPACITY
- 1 HOUR FIRE RATED WALL
- FIRE ALARM FULL STATION
- FIRE ALARM STROBE LIGHT
- FIRE ALARM STROBE LIGHT/HORN
- FIRE ALARM STROBE LIGHT/CHIME
- FIRE MASTER CONTROL PANEL
- FIRE ALARM KEY PAD

EXIT ACCESS TRAVEL DISTANCE PER IBC 1015, TABLE 1015.1

OCCUPANCY - BUSINESS
200 FT. (W/O SPRINKLER SYSTEM)
300 FT. (W/SPRINKLER SYSTEM)

OCCUPANCY LOAD - BUSINESS

AREA	TOTAL SF.	ALLOWABLE	TOTAL OCCUP.
WAITING ROOM	525	1/150	10
RECEPTIONIST	205	1/100	2
OFFICE	818	1/100	8
PATIENT ROOM	1004	1/100	10
SLEEPING ROOM	185	1/100	1
REHAB ROOM	135	1/100	1
HOOK-UP ROOM	100	1/100	2
X-RAY ROOM	156	1/100	2
SLEEP MONITORING	141	1/100	2
LOUNGE	400	1/100	4
LAUNDRY	116	1/100	2

BLDG. TOTAL 4994

51

NOTE1

EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC 700-12F.

NOTE2

SMOKE DETECTORS SHALL BE MOUNTED NOT LESS THAN 80" ABOVE FINISHED FLOOR AND SHALL BE THE IONIZATION TYPE, INTERLOCKED TOGETHER, POWERED FROM EACH STORE PANEL W/BATTERY BACKUP

FIRE/INTRUSION ALARM SYSTEM

THIS BUILDING SHALL BE EQUIPPED WITH A SELF-CONTAINED FIRE ALARM - INTRUSION ALARM SYSTEM THE OPERATION OF WHICH SHALL ALERT THE BUILDING OCCUPANTS AND NOTIFY THE 911 EMERGENCY RESPONSE SYSTEM. EQUIPMENT AND SERVICE PROVIDER SHALL BE AS SELECTED BY THE OWNER. DETAILS OF INSTALLATION SHALL BE VIA SHOP DRAWINGS AND OPERATING FEATURES SHALL BE AS REQUIRED BY NFPA 101, 2003 EDITION, "LIFE SAFETY CODE" SECTION 403.4

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New Office Facilities for:
DR. D. DUARTE M.D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
LIFE SAFETY PLAN

NICHOLAS GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-755-9021

DATE:

03DEC2008

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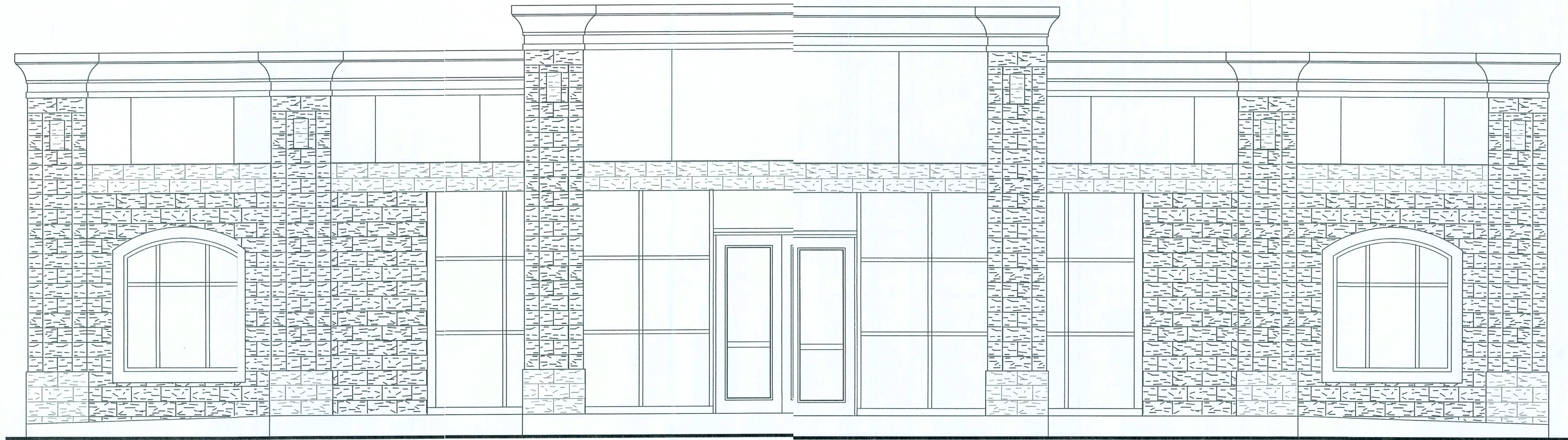
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7 OF 8

AR0007005

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New Office Facilities for:

DIOGENES DUARTE, M.D.

Lake City, Florida

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BUILDING USE, CLASSIFICATION & OCCUPANCY AS PER TABLES 503 & 1003, FLORIDA BUILDING CODE, 2004 ED.	
BUILDING GROUP OCCUPANCY	GROUP B
TABLE 503 TYPE OF CONSTRUCTION	TYPE IV - UNFRO.
TABLE 503 AREA/HEIGHT LIMITATIONS	110 KSF/2 STORY
TABLE 503 AREA INCREASE:	100% + 34.0 KSF
OCCUPANCY	
BUSINESS AREA: 1100 SF GROSS	11 OCCUPANTS
1616 SF / 100' x 16.8	

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2004 EDITION.	
BASIC WIND SPEED:	110 MPH
WIND IMPORTANCE FACTOR (I):	1 + 100
BUILDING CATEGORY:	CATEGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MUFRS PER TABLE 1609.2A (FBC 2004)	ROOF: - 23.1 PSF
DESIGN WIND PRESSURES:	WALLS: + 26.6 PSF
	EAVES: - 32.3 PSF
COMPONENTS & CLADDING PER TABLES 1609.2B & 1609.2C (FBC 2004)	OPNGS: + 21.8 / - 23.1 PSF
DESIGN WIND PRESSURES:	EAVES: - 68.3 PSF
	ROOF: + 19.3 / - 25.5 PSF

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DRAWN:

11/8

New Office Facilities for:
D R. D. DUARTE, M.D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
COVER SHEET

N F
NICHOLAS
GEISLER
ARCHITECT
N.C.A.R.B. Certified
11248 NW Brown Rd.
Lake City, FL 32055
386-795-8021

DATE:

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C&I

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AR0007035



SCALE: 1" = 1'-0"

NOTE: ALL CONCRETE CURBS TO HAVE EXPANSION JOINTS
OR SAW CUTS NOT MORE THAN 20'-0" APART



SCALE: 1" = 1'-0"



SCALE: 1" = 1'-0"



NO SCALE



NO SCALE



NO SCALE

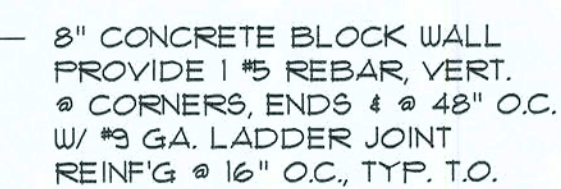
Sidewalk DETAILS

SCALE: 1" = 1'-0"



NTS

NOTE:
IF CONCRETE IS USED, A MINIMUM POURED THICKNESS DEPTH OF 8 INCHES
THE FIRST 5 FEET FROM EXISTING ROADWAY PAVEMENT EDGE WITH A MINIMUM
6 INCHES DEPTH THEREAFTER TO THE RAW LINE IS REQUIRED. CONCRETE SHALL
HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.



6" SMOOTH STEELED TROWLED CONC. SLAB
W/ DBL. 6X6, 10/10 W.W.M. REINFORCING, OVER
CLEAN, WELL COMPACTED SAND FILL

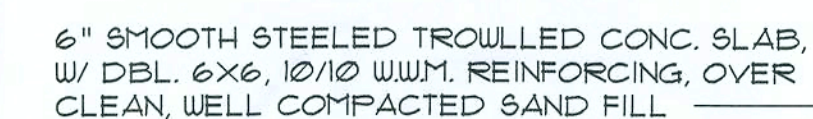
Dumpster Enclosure

SCALE: 1/4" = 1'-0"

NOTE!
ADDED FILL SHALL BE APPLIED IN 8" LIFTS -
EA. LIFT SHALL BE COMPACTED TO 95% DRY
COMPACTION PER THE "MODIFIED PROCTOR"
METHOD.

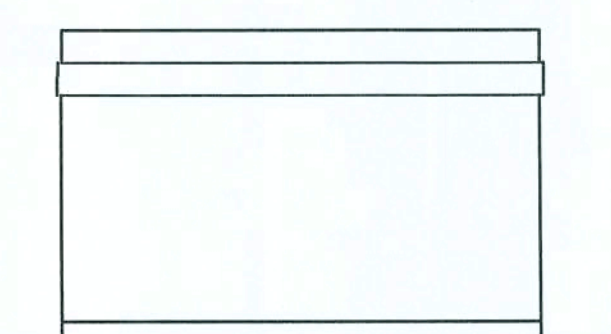


SCALE: 1/4" = 1'-0"



Enclosure Wall SEC.

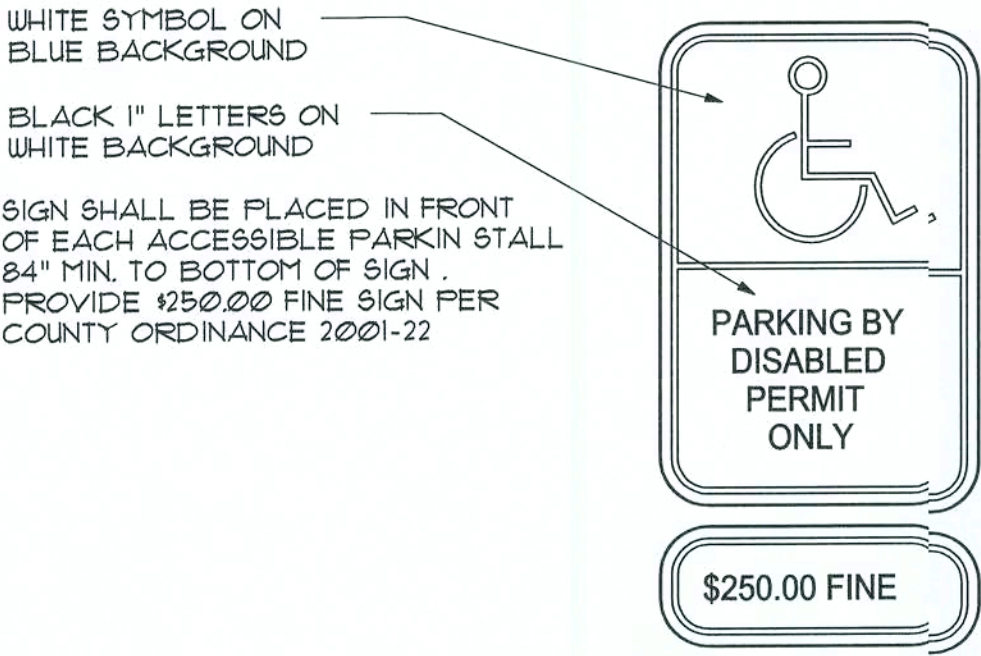
SCALE: 1" = 1'-0"



Enclosure ELEV.

SCALE: 1/4" = 1'-0"

AS-BUILT FIELD NOTES



H/C Signage DETAIL

SCALE: 1" = 1'-0"

D

GENERAL SITE DEVELOPMENT NOTES:

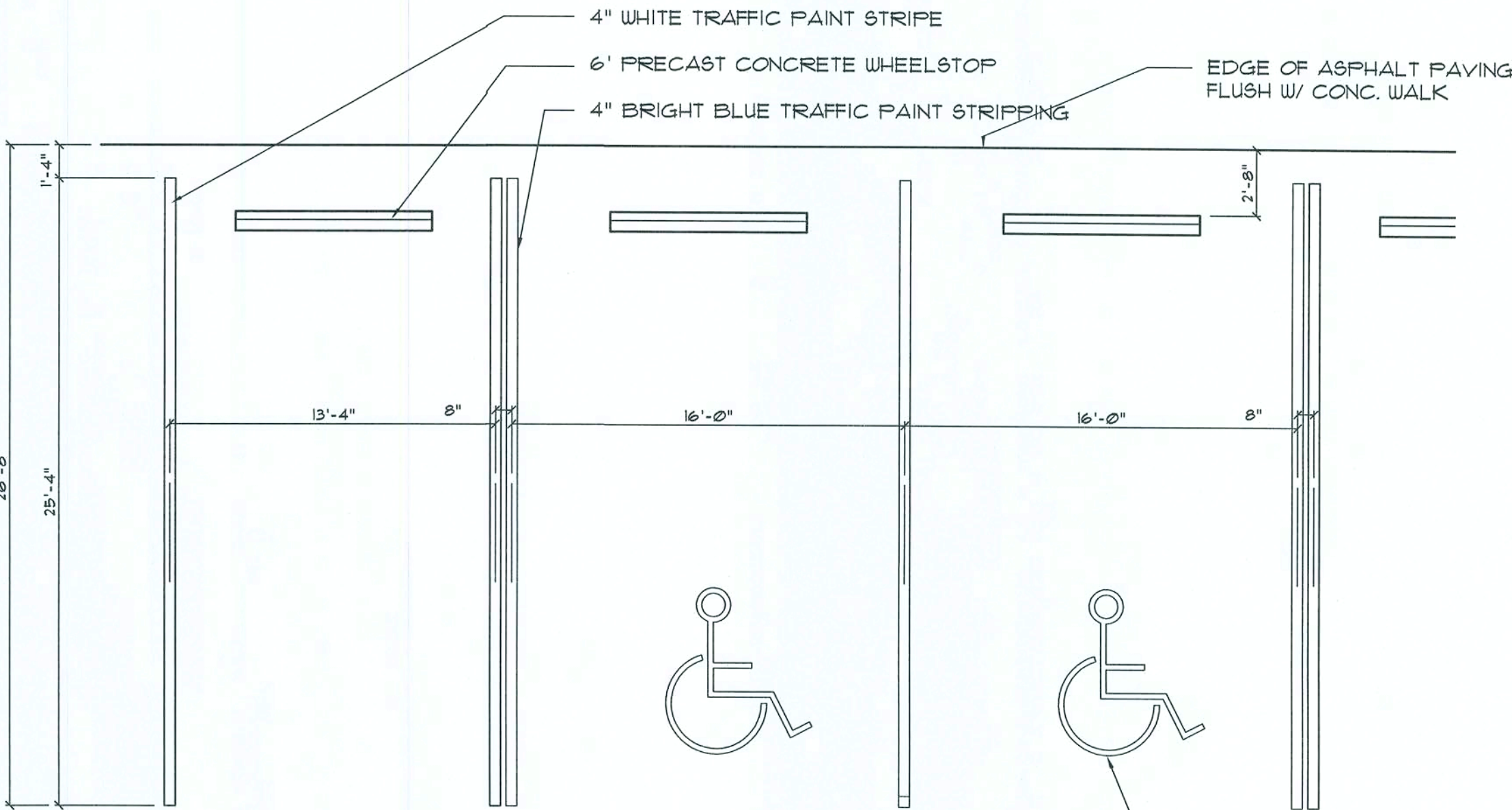
1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETAILS SHOWN. NOTIFY THE ARCHITECT OF ANY CHANGES OR MODIFICATIONS TO THESE PLANS.
2. THE MATERIALS USED IN THE CONSTRUCTION OF THE DRIVEWAYS AND PARKING AREAS ARE TO MEET THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).
3. ALL SLOPES GREATER THAN 3:1 SHALL BE SOLID SODDED. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDDED WITH A MIXTURE OF LONG-TERM GRASSES AND QUICK-GROWING SHORT TERM GRASSES FOR THE FOLLOWING CONDITIONS: FOR MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 10 POUNDS OF LONG-TERM GRASS SEED AND 20 POUNDS OF WINTER RYE, PER ACRE SEEDDED. FOR MONTHS OF APRIL THROUGH AUGUST, THE MIX SHALL CONSIST OF 10 POUNDS OF LONG-TERM SEED AND 20 POUNDS OF MILLET, PER ACRE SEEDDED.
4. ALL GRASS AREA SHALL RECEIVE A 4" THICK LAYER OF MUCK OR TOPSOIL.
5. THE LOCATION OF ANY UTILITY SHOWN IN THE PLANS IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION PRIOR TO ANY CONSTRUCTION OR FABRICATION OF MATERIALS.
6. ALL PERMANENT CORNER MONUMENTS AND/OR PUBLIC BENCHMARK MONUMENTS SHALL BE PRESERVED.

PAVING / GRADING GENERAL NOTES

1. TOP OF CURBS SHALL GENERALLY BE 6" ABOVE THE ADJACENT PAVED SURFACE, UNLESS NOTED OTHERWISE. REFER TO 4A/SP2 FOR DETAIL.
2. CONCRETE WALK SHALL BE FINISHED WITH A SMOOTH WOOD FLOAT, FOLLOWED BY TOOLED EDGES AND TOOLED JOINTS @ 5'-0" O.C. REFER TO E/SP2 FOR DETAIL. TOP OF WALK, ADJACENT TO PAVED PARKING AREA SHALL BE FLUSH WITH THE ASPHALT PAVEMENT.
3. PAVING SHALL BE 2" TYPE "S" ASPHALTIC CONCRETE OVER 8" LIMEROCK BASE W/ 60% OR GREATER CALCITIC MATERIAL CONTENT. PAVING TO BE LAID OVER TACK COAT IN 2 EQUAL LAYERS. BASE SHALL BE FULLY COMPACTED OVER FULLY COMPACTED SUB-GRADE. MINIMUM COMPACTION SHALL BE 98%, MODIFIED PROCTOR.
4. ALL LANDSCAPED AREAS SHALL BE FINE GRADED, WITH FINISH GRADE TO BE 2" BELOW ALL ADJACENT CURBS OR PAVED AREAS. REFER TO NOTE 4 OF THE "GENERAL SITE DEVELOPMENT NOTES" FOR MUCK/TOPSOIL OVERLAY FOR ALL LANDSCAPED AREAS.

GENERAL NOTES

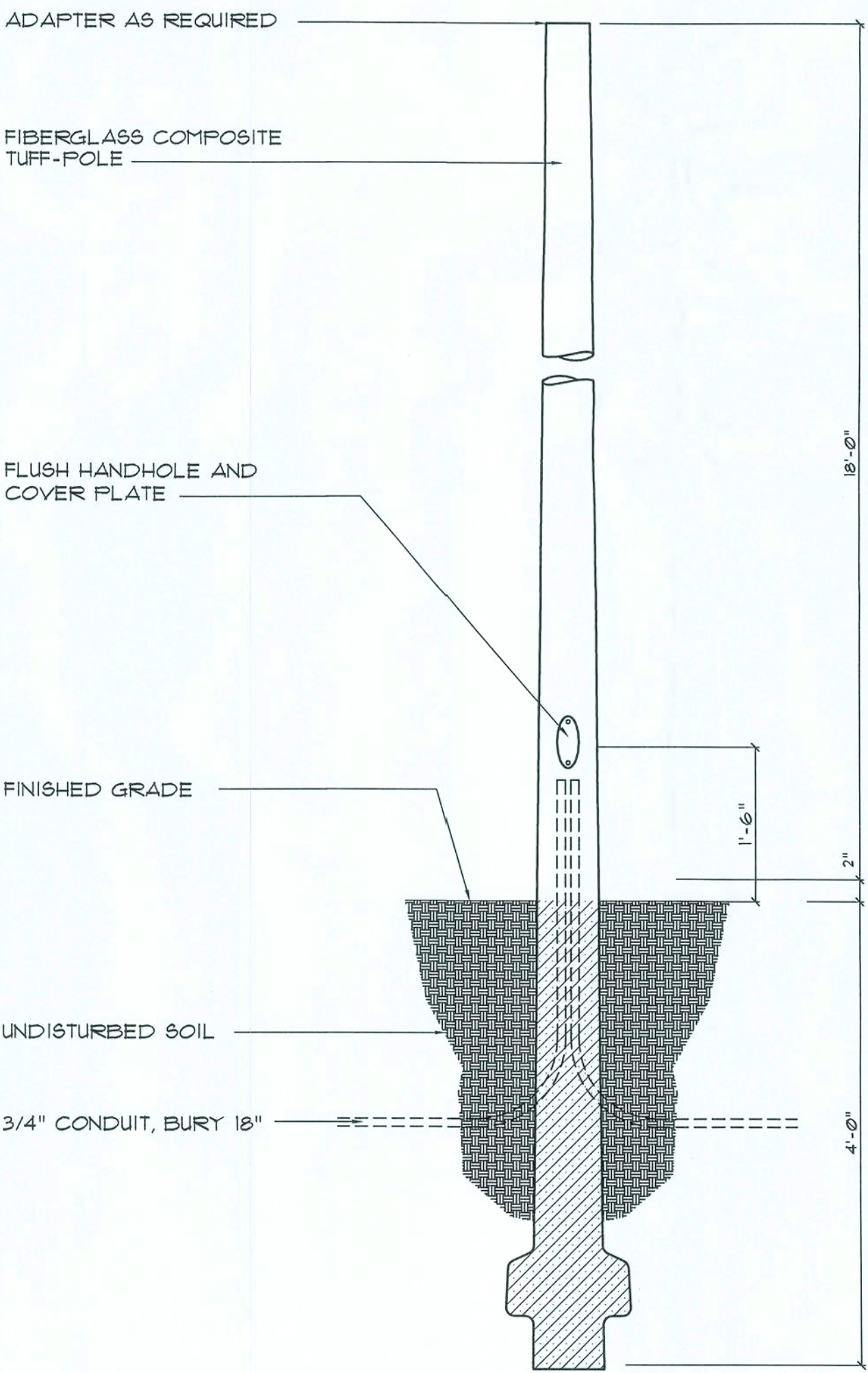
1. ALL FDOT RIGHT OF WAY RESTORATION, GRASS SOD PLACEMENT AND/OR SEEDING & STRAW MULCH REQUIRED UNDER THIS APPROVED STATE ACCESS PERMIT SHALL BE IN PLACE AND HAVE RECEIVED TWO WATERINGS AND ALSO HAVE RECEIVED A PASSING INSPECTION FOR PERMIT COMPLIANCE FOR THIS ITEM, BEFORE ANY TYPE OF ASPHALT PAVING OR CONCRETE DRIVEWAYS CAN COMMENCE UPON STATE FDOT RIGHT-OF-WAY.
2. ALL PERMITTED AND PROPOSED WORK/CONSTRUCTION UPON STATE FDOT RIGHT-OF-WAY SHALL CONFORM TO THE STATE OF FLORIDA'S MOST CURRENT ROADWAY AND TRAFFIC DESIGN STANDARDS MANUAL AND THE STATE FDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE APPROVED PERMIT PROVISIONS, COVER LETTER AND GENERAL AND SPECIAL PERMIT PROVISIONS.
3. THE PERMITTEE OR LEGAL REPRESENTATIVE SHALL CONTACT THE LOCAL STATE OF FLORIDA FDOT MAINTENANCE PERMITS OFFICE HAVING JURISDICTION OVER THIS APPROVED PERMIT: A MINIMUM OF 48 HOURS IN ADVANCE OF THE PLANNED ACTIVATION OF SAID ACCESS PERMIT FOR THE EXPLICIT PURPOSE OF SETTING UP THE MANDATORY PRE-CONSTRUCTION MEETING WITH ALL PARTIES INVOLVED IN THE CONSTRUCTION OF THIS PROJECT. CONTACT CAN BE MADE BY CALLING (386) 961-7100, 7193, OR 7148 TUESDAY THROUGH FRIDAY, 7:00 AM TO 5:00 PM.
4. ALL AREAS OF THE STATE RIGHT-OF-WAY WITHIN THE LIMITS OF CONSTRUCTION WITH A PROPOSED OR FINISHED GRADE SLOPE OF 1:4 OR STEEPER SHALL BE COMPLETELY COVERED WITH CERTIFIED COASTAL BERMUDA GRASS OR AN FDOT APPROVED ALTERNATIVE GRASS SOD. THIS PROVISION SHALL BE MET A MINIMUM OF 24 HOURS IN ADVANCE OF ANY PLANNED PAVING OR CONCRETE POUR THAT IS APPROVED UNDER THE FDOT ACCESS OR DRAINAGE PERMIT. REFER TO THE ATTACHED PERMIT COVER LETTER AND/OR APPROVED SITE PLAN OR PLAN NOTES ON R/W RESTORATION FOR ADDITIONAL RESTORATION PROVISIONS AND OTHER SODDING SPECIFICATIONS.
5. THE PAVEMENT AND TRAFFIC MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION) AND THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS (CURRENT EDITION), ACCORDING TO INDEXES 113022 AND 11346. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND CERTIFIED LEAD FREE PAINT.
6. MAINTENANCE OF TRAFFIC SHALL BE PERFORMED IN ACCORDANCE WITH THE FDOT INDEX 622 AND 623.
7. ALL PERMITTED ABOVE GROUND SIGNAGE SHALL CONFORM WITH FDOT INDEX 11302 AND 11660. ABOVE GROUND POSTED SIGNS AND SIGN BRACKET ATTACHMENTS SHALL BE INSTALLED PRIOR TO THE FINAL DRIVEWAY CONSTRUCTION IN ACCORDANCE WITH FDOT INDEXES 11660 AND 1132.
8. THE CONTRACTOR SHALL OBTAIN A MINIMUM THREE DENSITY TESTS PER LIFT ACCORDING TO THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION). THE LIMEROCK BASE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-190. A COPY OF THE TESTS SHALL BE SUBMITTED TO THE FDOT PRIOR TO PAVING.



Parking DETAIL

SCALE: 1" = 1'-0"

C



Alternate Pole & Base DET.

SCALE: 3/4" = 1'-0"

E

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REVISION

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New Office Facilities for:
D R. D. DUARTE M.D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
GENERAL SITE DETAILS

NE
NICHOLAS
PAUL
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ARCHITECT
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1765 NW Beach Rd
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386-758-9021

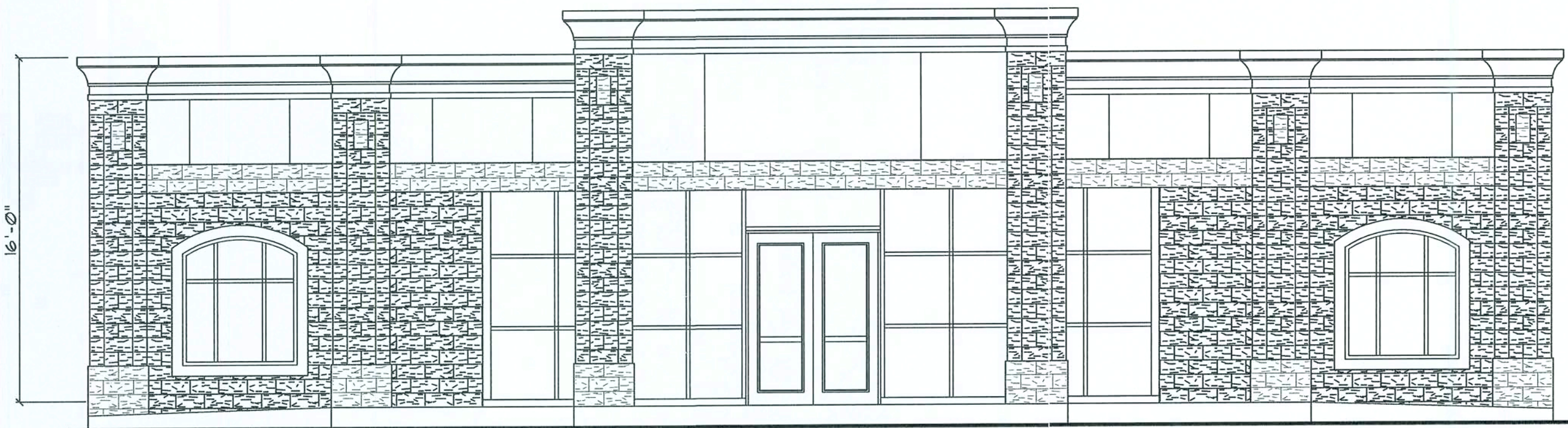
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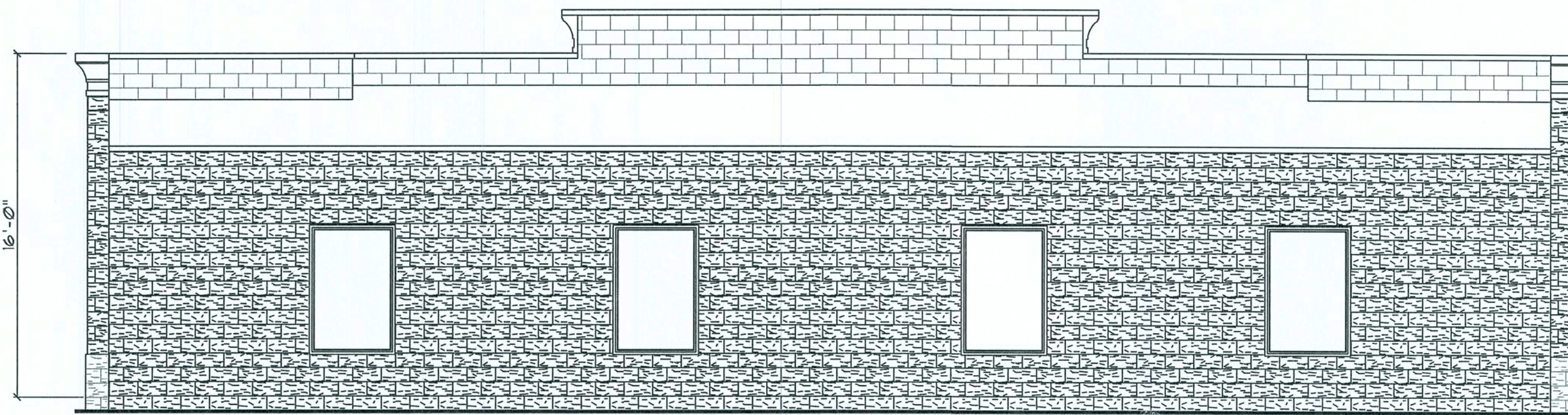
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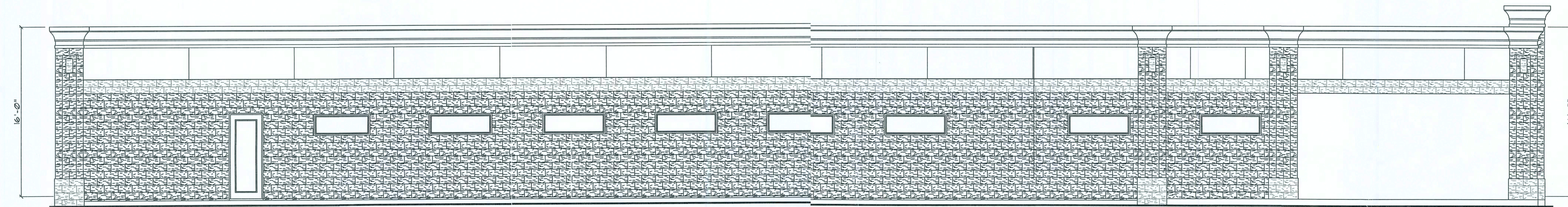
Front ELEVATION

SCALE: 3/16" = 1'-0"



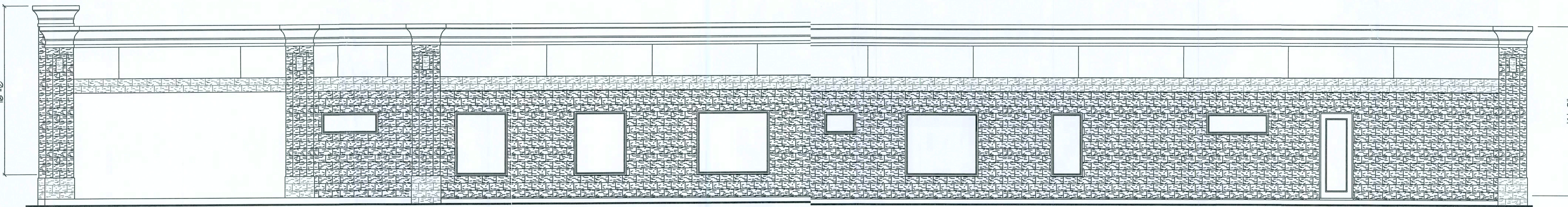
Rear ELEVATION

SCALE: 3/16" = 1'-0"



Right Side ELEVATION

SCALE: 3/16" = 1'-0"



Left Side ELEVATION

SCALE: 3/16" = 1'-0"

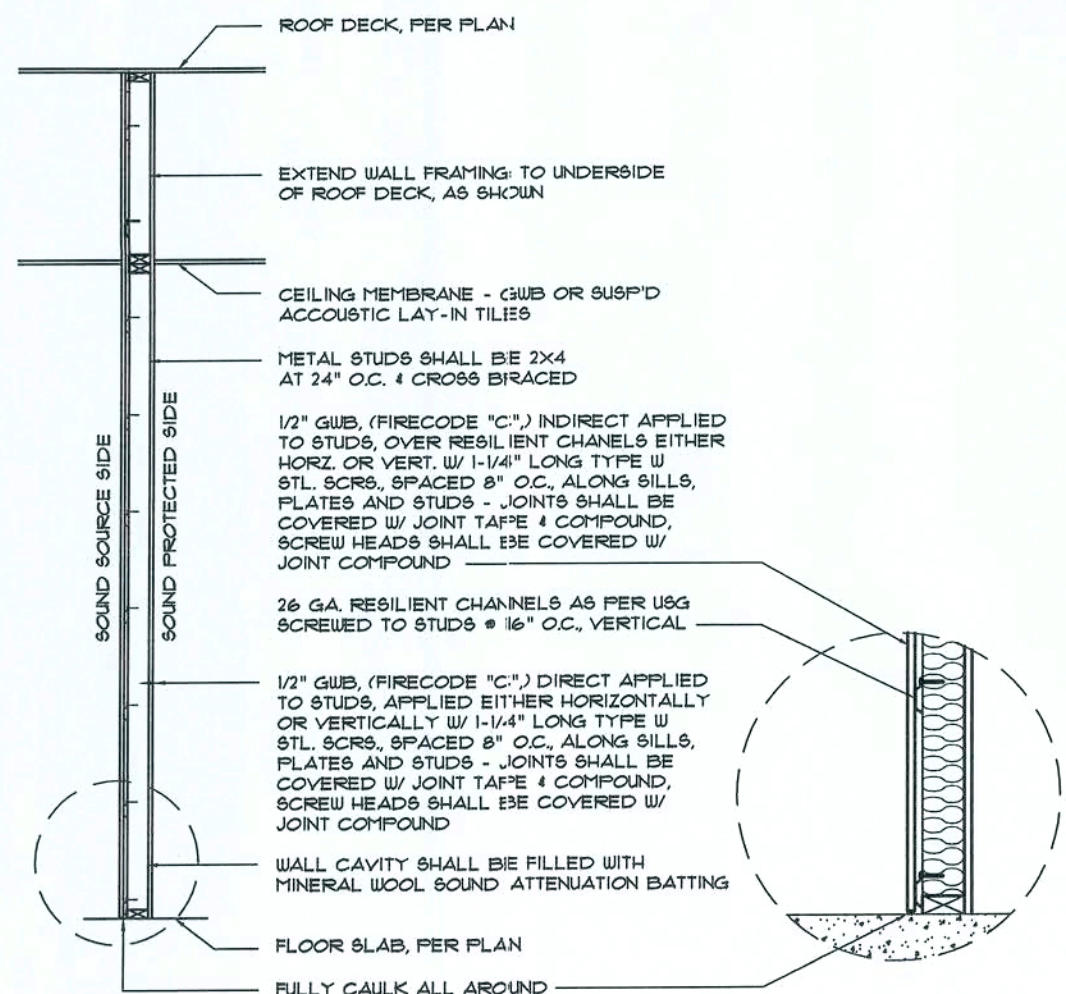
GENERAL SOUND PROTECTION NOTES

- FRAME WALLS WITH METAL STUDS AT 24" O.C., WITH ALL SUITABLE SILLS, PLATES, FIRE-STOPS AS REQUIRED.
- ON THE SOUND SOURCE SIDE OF THE WALL, ALL OPENINGS SHALL BE FULLY CAULKED AND SEALED, INCLUDING GAPS BETWEEN THE FLOOR AND GUB, GAPS BETWEEN GUB AND ELECTRICAL WIRING DEVICES, PIPING, CONDUIT, WIRING AND THE LIKE. ELECTRICAL WIRING DEVICES SUCH AS SWITCH BOXES, RECEPTACLES AND SIMILAR SHALL BE FULLY CAULKED.
- DOORS LEADING TO SOUND PROTECTED AREAS SHALL BE EQUIPPED WITH FULL PERIMETER GASKETS, INCLUDING A FLAT THRESHOLD AND BULB TYPE DOOR SILL SEAL.
- ALL WALLS SHALL BE INSULATED WITH MINERAL FIBER SOUND ATTENUATION BATTING, CAREFULLY CUT AND FIT TO EACH FRAMING OPENING. THERMAL INSULATION IS NOT APPROVED FOR THIS APPLICATION.

Sound Rated Wall DETAIL

SOUND RATED WALL BETWEEN PROTECTED AREAS W/ 61C50 OR GREATER

SCALE: 3/8" = 1'-0"



GENERAL NOTES:

- THE CONTRACTOR SHALL INDENTIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.
- THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
- AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
- THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.
- THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING OF THE PROJECT AND THE CONTRACTOR(S) SHALL FILE A "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
- ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
- ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
- ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.

AS - BUILT DRAWING REQUIREMENTS:

- ELECTRICAL "AS-BUILT" DRAWINGS
ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DUGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADDS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT NO., DESCRIPTION, 4 BRKR. SERVICE ENT. 4 ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH, RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE 4 EQUIPMENT TYPE W/ RATINGS 4 LOADS. CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER 4 1 COPY TO THE PERMIT ISSUING AUTHORITY.
- HVAC "AS-BUILT" DRAWINGS
HVAC CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL HVAC WORK, INCLUDING ALL DUCTWORK, LOC., SIZES, LINES, EQUIPMENT SCH. 4 BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BLT, DUGS TO OWNER 4 1 COPY TO THE PERMIT ISSUING AUTHORITY.
- PLUMBING "AS-BUILT" DRAWINGS
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

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REVISION:

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N.P. Geisler, Architect

DRAWN:

MP

New Office Facilities for:
D R. D. DUARTE M. D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
EXTERIOR ELEVATIONS

NICHOLAS GEISLER ARCHITECT
NICHOLAS GEISLER ARCHITECT
1758 NW Brown Rd.
LAKE CITY, FL 32055
850-758-9521

DATE:

03DEC2008

CONM:

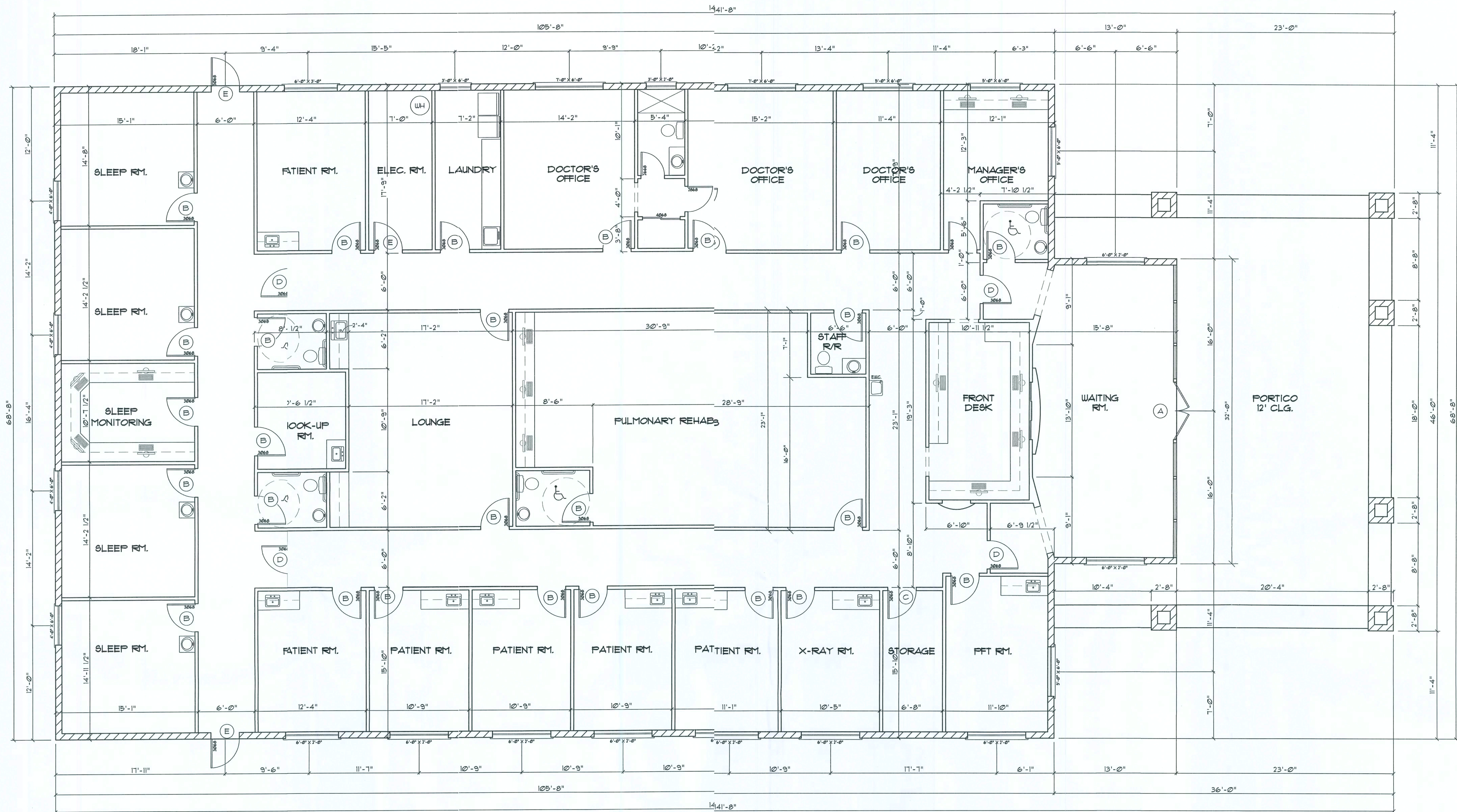
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4 OF 8

AR00070(C5)

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Floor PLAN

SCALE: 3/16" = 1'-0"

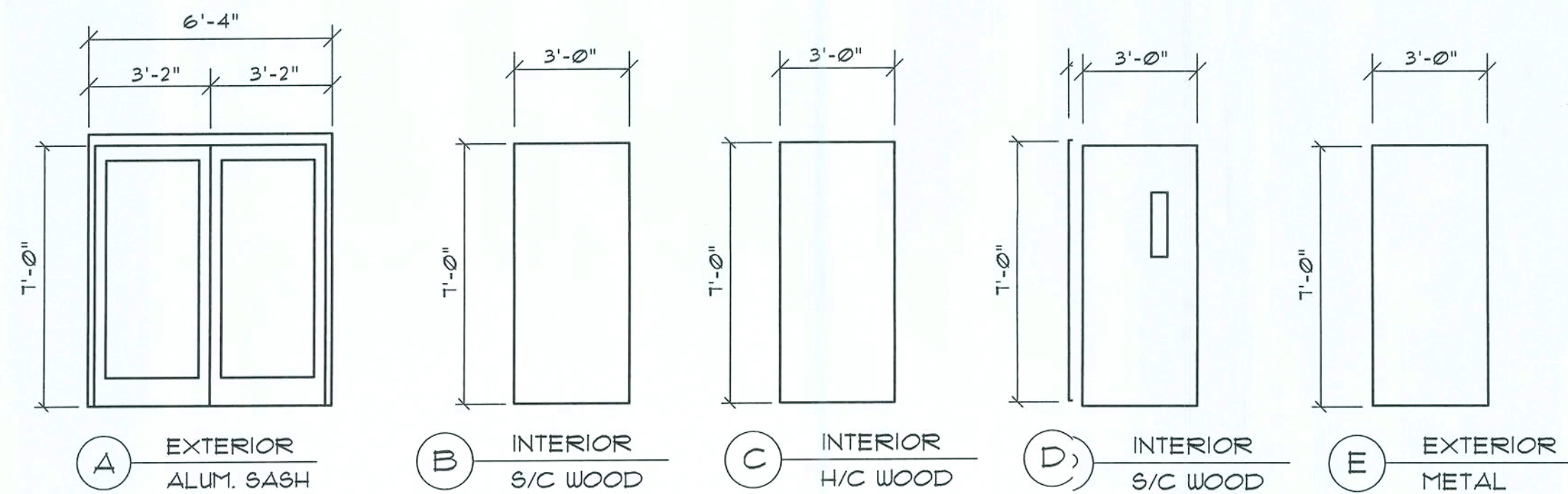
* ALL CLGS 10' UNLESS OTHERWISE NOTED *

AREA SUMMARY

MAIN FLOOR	1616 SF
PORTICO	1236 SF
TOTAL AREA	2852 SF

NOTE!
CABINETS, COUNTERS, SHELVES AND THE LIKE, SHOWN ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF QUALITY AS OUTLINED IN THE NOTES TITLED "GENERAL MILLWORK NOTES" AND SHALL INCLUDE SUCH FEATURES, HARDWARE AND FINISHES AS DIRECTED BY THE OWNER. THE PLAN VIEWS INDICATED ARE FOR GENERAL LOCATION AND EXTENT OF THE WORK - UNLESS DETAILED CABINET PLANS ARE INCLUDED WITH THIS PLAN'S PACKAGE ALL OTHER PHYSICAL CHARACTERISTICS SHALL BE AS DIRECTED BY THE OWNER.

NOTE!
PROVIDE 2x6 BACKING AT ALL OVERHEAD CABINET LOCATIONS, FLUSH WITH FACE OF FRAMING - TOP OF BACKING TO BE 1'-0" AFF.

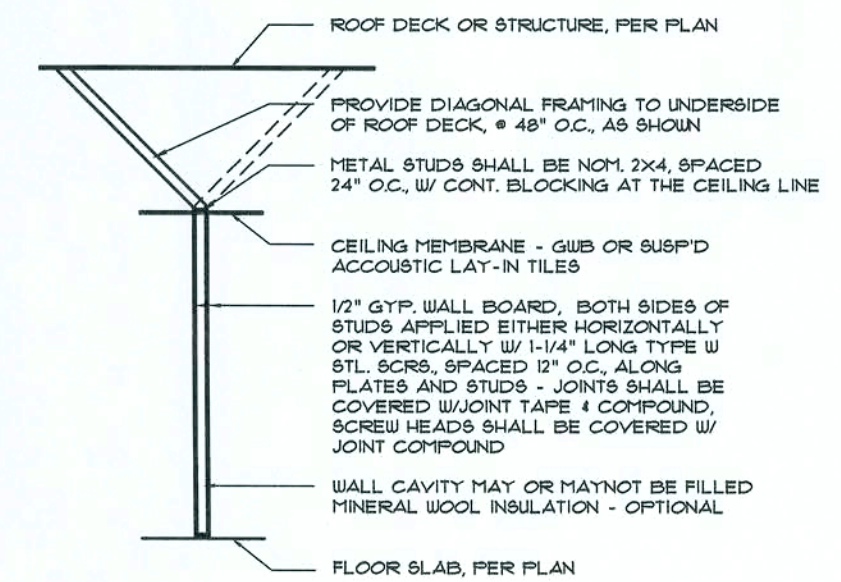


GENERAL DOOR SCHEDULE:

- ALL HARDWARE SHALL BE GUARANTEED FOR A PERIOD OF TWO (2) YEARS AFTER INSTALLATION. CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE TO OWNER.
- ALL LOCKS SHALL BE CONSTRUCTION KEYED. ALL PERMANENT KEYS AND CONSTRUCTION KEY TOOLS SHALL BE GIVEN TO THE OWNER ONLY. KEYING SHALL BE AS PER DIRECTION OF OWNER.

GENERAL INTERIOR FINISH SCHEDULE:

- FLOORS:**
GENERAL
32mm 12x12 GLU-DN VCT TILE, PATTERN 4 COLOR AS PER OWNER'S SPECIFICATION
WAITING ROOM
THINSET CERAMIC TILE OR NATURAL STONE, PAT. 4 COLOR AS PER OWNER'S SPECIFICATION
- DOCTOR'S OFFICES AND SLEEP ROOMS**
CARPET, GLU-DN OR WITH PAD, PAT. 4 COLOR AS PER OWNER'S SPECIFICATION
- EXTERIOR DOORS:**
GENERAL
STOREFRONT MED. STILE ENTRY DOORS W/ BRONZE ALUM. SASH 4 GRAY TINT 1/4" THERMO GLASS.
- INTERIOR DOORS:**
GENERAL
ALL INTERIOR DOORS SHALL BE H/C STAIN GRADE WOOD BIRCH, SET IN STEEL FRAMES, PAINTED
SLEEP ROOMS
INTERIOR DOORS SHALL BE 5/C STAIN GRADE WOOD BIRCH, SET IN STEEL FRAMES, PAINTED
- WALLS:**
GENERAL
1/2" GYP. TAPE 4 FINISHED AND PRIME AND PAINTED 2 COATS LATEX WALL PAINT, FINISH AS DESIGNATED BY OWNER.
- CEILING:**
GENERAL
2'x2' REGULAR EDGE MINERAL FIBER CEILING TILES IN WHITE SUSPENSION GRID W/ 96 WIRE HANGERS AT 48" O.C.
- BATHROOMS**
5/8" GUS. SUSPENDED, TAPE 4 FINISHED, W/ 2 COATS OF LATEX CEILING PAINT, COLOR 4 GLOSS AS SELECTED BY THE OWNER
- TRIM:**
GENERAL
4" RUBBER COVE BASE AT ALL WALLS, UNLESS OTHERWISE SPECIFIED ALL CROUNTS, CASINGS, CHAIRRAILS, ETC AS PER OWNER'S SPECIFICATIONS STAIN 4 VARNISH OR PAINT COLOR AS SELECTED BY THE OWNER



TYPE 3
NON-BEARING INTERIOR PARTITION FRAMING
TOP SUPPORTED TO STRUCTURE ABOVE W/
ALTERNATING DIAGONAL BRACES

Typ. Interior WALLS
SCALE: 1/4" = 1'-0"

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REVISION:

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DRAWN:

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New Office Facilities for:
D. D. U. R. E. M. D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
FLOOR PLAN

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1755 NW Brown Rd.
386-753-8031

DATE:

03DEC2005

COMM:

SHEET:

A.5

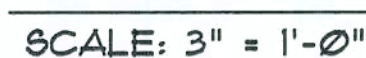
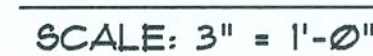
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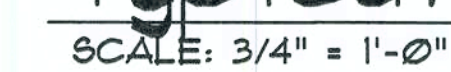
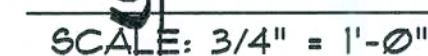
MANUFACTURER:
YKK AP AMERICA, INC. OR APPROVED EQUAL
1606 CURRENCY DRIVE
ORLANDO, FL 32807

FINISH:
IN ACCORDANCE WITH AA-M12C22A42/A44

USE ONLY A SOLUTION OF A MILD LIQUID SOAP IN WATER FOR ALL SURFACES, INCLUDING GLAZING AND SASH MATERIALS.



SCALE : VARIOUS



AR0007005 /

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REVISION:

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N.F. Geller, architect

DRAWN:

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New Office Facilities for:
DR. D. DUARTE M.D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
LIFE SAFETY PLAN

**NICHOLAS
GEISLER
ARCHITECT**
1756 NW Brown Rd.
Lake City, FL 32055
N.C.A.R.B. Certified 358-758-9021

DATE:

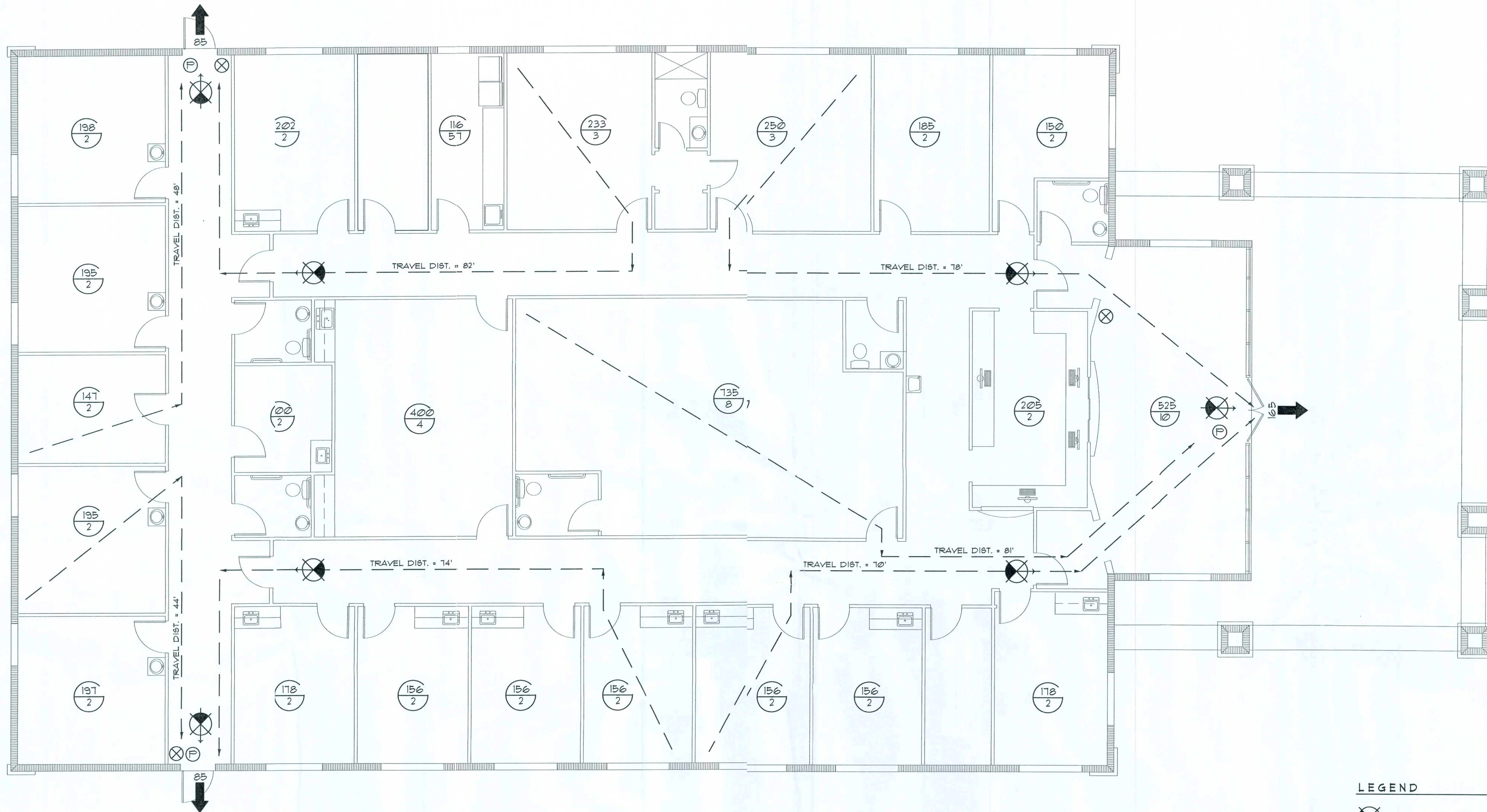
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LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"

EXIT ACCESS TRAVEL DISTANCE PER CBC 1015, I TABLE 1015.1

OCCUPANCY - BUSINESS
200 FT. (W/O SPRINKLER SYSTEM)
300 FT. (W/SPRINKLER SYSTEM)

OCCUPANCY LOAD - BUSINESS

AREA	TOTAL SF.	ALLOWABLE	TOTAL OCCUP.
WAITING ROOM	525	1/150	10
RECEPTIONIST	205	1/100	2
OFFICE	818	1/100	8
PATIENT ROOM	1204	1/100	10
SLEEPING ROOM	785	1/100	7
REHAB ROOM	135	1/100	8
HOOK-UP ROOM	100	1/100	2
X-RAY ROOM	156	1/100	2
SLEEP MONITORING	141	1/100	2
LOUNGE	400	1/100	4
LAUNDRY	116	1/100	2
BLDG. TOTAL	4994		51

NOTE!

EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC 100-12F.

NOTE!

SMOKE DETECTORS SHALL BE MOUNTED NOT LESS THAN 30" ABOVE FINISHED FLOOR AND SHALL BE THE IONIZATION TYPE, INTERLOCKED TOGETHER, POWERED FROM EACH STORE PANEL W/BATTERY BACKUP

FIRE/INTRUSION ALARM SYSTEM

THIS BUILDING SHALL BE EQUIPPED WITH A SELF-CONTAINED FIRE ALARM - INTRUSION ALARM SYSTEM. THE OPERATION OF WHICH SHALL ALERT THE BUILDING OCCUPANTS AND NOTIFY THE 911 EMERGENCY RESPONSE SYSTEM. EQUIPMENT AND SERVICE PROVIDER SHALL BE AS SELECTED BY THE OWNER. DETAILS OF INSTALLATION SHALL BE VIA SHOP DRAWINGS AND OPERATING FEATURES SHALL BE AS REQUIRED BY NFPA 101, 2003 EDITION, "LIFE SAFETY CODE" SECTION 403.4

LEGEND

- EXIT LIGHT - ARROW REPRESENTS DIRECTION OF EXIT
- SMOKE DETECTOR
- WALL HUNG "ABC" FIRE EXTINGUISHER
- DOOR /CLOSER FOR EXITING OR RATING REASONS
- PANIC DEVICE
- ROOM SQUARE FOOTAGE
- ROOM OCCUPANCY LOAD
- PRIMARY EGRESS W/EXIT CAPACITY
- 1 HOUR FIRE RATED WALL
- FIRE ALARM FULL STATION
- FIRE ALARM STROBE LIGHT
- FIRE ALARM ANNUNCIATOR

APPROVED FOR CONSTRUCTION

GENERAL STRUCTURAL NOTES

G E N E R A L :

1. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS, OR TO SERVE AS SHOP DRAWINGS OR PORTIONS THEREOF.
2. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN.
3. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND ALL THE SUBCONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENSIONS AND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OR ERRORS IN THE ABOVE TO THE ARCHITECT/ENGINEER BEFORE COMMENCING WORK. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY OUT THEIR WORK FROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLE FOR ALL LINES, ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.
4. IF ANY ERRORS OR OMISSIONS APPEAR IN THE DRAWINGS, GENERAL NOTES OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF SUCH OMISSION OR ERROR PRIOR TO PROCEEDING WITH ANY WORK WHICH APPEARS IN QUESTION. IN THE EVENT OF THE CONTRACTOR'S FAILING TO GIVE SUCH AN ADVANCED NOTICE, HE SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISSIONS AND THE COST OF RECTIFYING THE SAME.
5. THE CONTRACTOR SHALL USE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO LOCATE DEPRESSED SLABS, SLOPES, DRAINS, OUTLETS, RECESSES, OPENINGS, BOLT SETTING, SLEEVES, DIMENSIONS, ETC. NOTIFY ARCHITECT/ENGINEER, IN WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK.

SHOP DRAWINGS AND DELEGATED ENGINEERING:

1. ALL SHOP DRAWINGS SHALL BE SUBMITTED FOR ENGINEER'S REVIEW ONLY AFTER THEY HAVE BEEN THOROUGHLY REVIEWED BY THE CONTRACTOR FOR CONSTRUCTION METHODS, DIMENSIONS AND OTHER TRADE REQUIREMENTS, AND STAMPED WITH THE CONTRACTOR'S APPROVAL STAMP. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, ENGINEERING DESIGN BY DELEGATED ENGINEERS, ERRORS OR OMISSIONS AS A RESULT OF REVIEWING ANY SHOP DRAWINGS. ANY ERRORS OR OMISSIONS MUST BE MADE GOOD BY THE CONTRACTOR, IRRESPECTIVE OF RECEIPT, CHECKING OR REVIEW OF DRAWINGS BY THE ARCHITECT AND EVEN THOUGH WORK IS DONE IN ACCORDANCE WITH SUCH DRAWINGS.
2. BEFORE STRUCTURAL INSPECTIONS CAN BE MADE ON A PORTION OF THE STRUCTURE, ALL RELATED SHOP DRAWINGS, DELEGATED ENGINEERING, PRODUCT APPROVAL, MANUFACTURER'S DATA AND OTHER RELATED INFORMATION MUST BE REVIEWED AND ACCEPTED BY THE ARCHITECT-OF-RECORD AND APPROVED BY THE BUILDING DEPARTMENT.
3. SHOP DRAWINGS SHALL CONTAIN ALL INFORMATION SHOWN ON THE STRUCTURAL PLANS (RELATED TO THE DELEGATED DESIGN) INCLUDING ALL DESIGN LOADS, IN ADDITION TO THE INFORMATION REQUIRED BY THE DELEGATED ENGINEER'S DESIGN.
4. A/E WILL REVIEW ALL SUBMITTED SHOP DRAWINGS, PREPARED AND SIGNED, AND SEALED BY THE CONTRACTOR'S DELEGATED ENGINEER, ONLY FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT, REQUIRED LOADING AND COORDINATION WITH THE STRUCTURAL DESIGN.
5. CONTRACTOR SHALL SUBMIT TO THE A/E ONLY ONE SET OF SEPIA AND TWO SETS OF BLUE PRINTS OF THE STRUCTURAL SHOP DRAWINGS FOR A/E REVIEW BEFORE STARTING FABRICATION. THE A/E WILL RETURN THE MARKED-UP AND STAMPED SEPIA TO THE CONTRACTOR. THESE SEPIA COPIES SHALL BE USED TO MAKE THE PRINTS REQUIRED FOR SHOP DRAWING DISTRIBUTION. SETS OF BLUE PRINTS (WITHOUT SEPIA) WILL NOT BE ACCEPTED.

CONSTRUCTION MEANS AND METHODS:

1. THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES, SAFETY PRECAUTIONS, SHORES, RESHORES, LATERAL BRACING AND PROGRAMS IN CONNECTION WITH THE PROJECT, ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. OUR SERVICES DO NOT GUARANTEE NOR ASSURE LIABILITY FOR THE JOB SAFETY, TEMPORARY SHORING AND BRACING AND THE PERFORMANCE OF THE CONTRACTOR.
2. THE CONTRACTOR IS RESPONSIBLE AND SHALL COMPLY WITH THE SAFETY REQUIREMENTS OF THE STANDARD BUILDING CODE AND APPLICABLE LOCAL, STATE AND FEDERAL LAWS.
3. PROVIDE ALL SHORING, BRACING AND SHEETING AS REQUIRED FOR SAFETY, STRUCTURAL STABILITY AND FOR THE PROPER EXECUTION OF THE WORK. REMOVE WHEN WORK IS COMPLETED.
4. PROVIDE AND MAINTAIN GUARD LIGHTS AT ALL BARRICADES, RAILINGS, OBSTRUCTIONS IN THE STREETS, ROADS OR SIDEWALKS AND ALL TRENCHES OR PITS ADJACENT TO PUBLIC WALKS OR ROADS.
5. AT ALL TIMES, PROVIDE PROTECTION AGAINST WEATHER (RAIN, WIND, STORMS OR THE SUN) SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE.
6. AT THE END OF THE DAYS WORK, COVER ALL WORK LIKELY TO BE DAMAGED. ANY WORK DAMAGED BY FAILURE TO PROVIDE PROTECTION SHALL BE REMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL PAY FOR ALL DAMAGES TO ADJACENT STRUCTURES, SIDEWALKS AND TO STREETS OR OTHER PUBLIC PROPERTY OR PUBLIC UTILITIES.

STRUCTURAL DESIGN CRITERIA:

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE - 2004 EDITION AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.
2. WIND LOAD CRITERIA:
BASED ON SBCCI 1606 BASIC WIND VELOCITY 110 MPH.
3. ROOF DESIGN LOADS:
COMPOSITE DEAD LOADS:..... 15 PSF
SUPERIMPOSED LIVE LOADS:..... 30 PSF
4. FLOOR DESIGN LOADS:
COMPOSITE DEAD LOADS:..... 25 PSF
SUPERIMPOSED LIVE LOADS:
RESIDENTIAL..... 40 PSF
BALCONIES..... 60 PSF
5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

FOUNDATIONS: (SPREAD FOOTINGS)

1. FOUNDATIONS ARE DESIGNED TO BEAR ON WELL COMPACTED GRADE OR CLEAN FILL OF AN ALLOWABLE BEARING CAPACITY OF 1000 PSF MAXIMUM. A CERTIFIED TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER TO VERIFY THAT THE REQUIRED BEARING CAPACITY WAS OBTAINED. SAID SOIL CAPACITY SHALL BE CERTIFIED AND TESTED BY A FLORIDA REGISTERED FOUNDATION ENGINEER, PRIOR TO CASTING OF CONCRETE IN THE FOOTINGS.
2. NATURAL GRADE (OR FILL) BELOW FOOTINGS SHALL BE COMPACTED TO 98% MODIFIED PROCTOR (ASTM D-1557).
3. TOP OF WALL FOOTINGS TO BE AT THE SAME ELEVATION AS TOP OF COLUMN PAD FOOTINGS. STEP WALL FOOTING FROM HIGHER COLUMN FOOTING TO THE LOWER ONE (AS DETAILLED ON THE PLANS).
4. TOP OF ALL FOOTINGS TO BE A MINIMUM 1'-4" BELOW THE TOP OF CONCRETE SLAB ON GRADE. (UNLESS OTHERWISE NOTED) OR MINIMUM 1'-0" BELOW FINISHED GRADE, WHICHEVER IS LOWER. IN THE EVENT THAT THE SLAB STEPS ON EACH SIDE OF THE FOOTING, THE FOOTING SHALL BE 1'-4" BELOW TOP OF THE LOWER SLAB.
5. REINFORCING IN THE CONTINUOUS WALL FOOTINGS (MONOLITHIC AND NON-MONOLITHIC) SHALL BE SPliced 36 BAR DIAMETERS MINIMUM AND SHALL EXTEND CONTINUOUSLY THRU ALL FOOTING PADS.
6. ALL LONGITUDINAL REBARS IN THE CONTINUOUS WALL FOOTINGS SHALL BE CONTINUED AT BENTS AND CORNERS BY BENDING THE REBARS 48 BAR DIAMETERS AROUND THE CORNERS OR ADDING MATCHING CORNER BARS, EXTENDING 48 BAR-DIAMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT.
7. ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS.

CONCRETE SLABS ON GRADE:

1. ALL INTERIOR AND EXTERIOR SLABS AND WALKWAYS AS SHOWN ON THE STRUCTURAL OR ARCHITECTURAL PLANS, SHALL BE FOUR INCHES THICK MINIMUM REINFORCED WITH 6 x 6 - W14 x W14 WELDED WIRE FABRIC (UNLESS OTHERWISE NOTED).
2. ALL SLABS ON GRADE TO BE CONSTRUCTED IN ACCORDANCE WITH LATEST A.C.I. - "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (A.C.I. - 302.1R)
3. JOINTS SHALL BE PROVIDED IN ALL INTERIOR SLABS ON GRADE AT COLUMN CENTER-LINES DIVIDING THE SLAB INTO SQUARE PANELS NOT TO EXCEED 20 x 20 FT. IN SIZE. CAST SLAB IN LONG ALTERNATE STRIPS. PROVIDE A CONTRACTION JOINT BETWEEN EACH STRIP. SEE PLAN FOR SAW-CUT, CONTRACTION AND ISOLATION JOINT DETAILS.
4. PROVIDE SAW-CUT JOINTS AT ALL SIDEWALKS AT A MAXIMUM SPACING OF FIVE FEET ON CENTERS AND ISOLATION JOINTS AT 20 FEET O.C. (U.O.N.).
5. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12" AND COMPACTED TO 98% MODIFIED PROCTOR (ASTM D-1557) EXTENDING A DISTANCE OF 3 FEET BEYOND ALL FOOTING EDGES. TAKE AT LEAST ONE DENSITY TEST FOR EACH 1600 SQFT. OF AREA AND 12" BELOW SURFACE. SEND RESULTS OF THE TEST TO OWNER, ARCHITECT (AND ENGINEER).

CONCRETE AND REINFORCING:

1. CONCRETE DESIGN AND REINFORCEMENT IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (A.C.I. 318 - LATEST EDITION) AND WITH "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" - (A.C.I. 315 - LATEST EDITION).
2. ALL CONCRETE WORK IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING" (A.C.I. 301 - LATEST EDITION), PRODUCTION OF CONCRETE, DELIVERY, PLACING AND CURING TO BE IN ACCORDANCE WITH "HOT WEATHER CONCRETING" (A.C.I. 309R - LATEST EDITION).
3. ALL CONCRETE TO BE REGULAR WEIGHT WITH A DESIGN STRENGTH OF 3000 P.S.I. AT 28 DAYS. MAXIMUM SLUMP 5".
4. ALL REINFORCING TO BE NEW BILLET STEEL CONFORMING TO THE LATEST A.S.T.M. A-615 GRADE 60, FABRICATED IN ACCORDANCE WITH C.R.S.I. MANUAL OF STANDARD PRACTICE AND PLACED IN ACCORDANCE WITH A.C.I. 315 AND C.R.S.I. MANUAL OF STANDARD PRACTICE.
5. CONCRETE COVER UNLESS OTHERWISE DETAILED ON DRAWINGS:
- | | |
|--------------------|---|
| FOOTINGS: | (BOTTOM)..... 3"
(TOP & SIDES)..... 2" |
| SLABS ON GRADE: | CENTERED W/SLAB |
| COLUMNS AND BEAMS: | (TO THE TIES)..... 1-1/2" |
6. COLUMN REINFORCEMENT: DOUELS TO BE SAME SIZE AND NUMBER AS VERTICAL REBARS ABOVE. LAP 36 BAR DIAMETER OR MINIMUM 18 INCHES, U.O.N. PROVIDE RIGID TEMPLATES FOR DOUEL LOCATION. PROVIDE STANDARD HOOKS AT TOP OF ALL VERTICAL REINFORCEMENT AT NONCONTINUOUS COLUMNS (U.O.N.).
7. ALL DOUELS FOR COLUMNS SHALL BE SECURED IN POSITION PRIOR TO CONCRETING. PUSHING THE DOUELS INTO POSITION IN WET CONCRETE IS NOT PERMITTED.
8. BEAM REINFORCEMENT: LAPPED 36 BAR DIAMETER OR MINIMUM 18 INCHES. BOTTOM BARS SPliced ONLY AT SUPPORTS, TOP BARS SPliced ONLY AT MID-SPAN. ALL TOP BARS HOOKED AT NONCONTINUOUS EDGES (U.O.N.). ALL HOOKS TO BE STANDARD 90 DEGREE HOOKS AS REQUIRED (U.O.N.).
9. ADDED REINFORCEMENT: PROVIDE ADDITIONAL CORNER BARS BENT 36 INCHES MINIMUM EACH WAY AT "L" AND "T" CORNERS IN OUTER FACES OF ALL BEAMS TO MATCH ALL HORIZONTAL BAR (TOP, BOTTOM AND INTERMEDIATE REBARS).
10. SEE PLAN FOR MINIMUM SIZE CONCRETE TIE BEAM REQUIREMENTS.

REINFORCED MASONRY WALLS:

1. HOLLOW LOAD-BEARING MASONRY UNITS SHALL CONFORM TO ASTM C-90, TYPE I, GRADE N, SQUARE END, WITH A MINIMUM AVERAGE COMPRESSIVE STRENGTH ON NET AREA OF 1100 P.S.I. CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 530I SPECIFICATIONS.
2. SPECIAL INSPECTOR SERVICES ARE REQUIRED FOR ALL REINFORCED MASONRY CONSTRUCTION. THE SPECIAL INSPECTOR SHALL INSPECT THE PLACING OF THE REBARS IN THE CELLS, VERIFY CLEANLINESS OF THE CELLS TO BE GROUTED, AND OBSERVE THE PLACING OF THE GROUT OR CONCRETE INTO THE CELLS.

3. MORTAR SHALL CONFORM TO ASTM C-270, TYPE "M" OR "S".
4. LAY ALL MASONRY WITH FULL FACE HEAD JOINTS AND WITH FACE 5/8" HELL MORTAR BEDDING.
5. MASONRY ANCHORAGE TO SUPERSTRUCTURE SHALL BE PROVIDED IN ACCORDANCE WITH STRUCTURAL DRAWINGS AND DETAILS.
6. THE USE OF ADMIXTURES SHALL NOT BE PERMITTED WITHOUT PRIOR REVIEW OF THE ENGINEER.
- 7.1. VERTICAL REINFORCING:
(A) ASTM A-615 PER REINFORCING SECTION.
(B) WHEN A FOUNDATION DOUEL DOES NOT LINE UP WITH A VERTICAL CHORD IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL INCH TO SIX INCHES VERTICAL FOR ALIGNMENT, EVEN THOUGH IT IS IN A CELL ADJACENT TO THE VERTICAL WALL REINFORCING.
(C) VERTICAL REINFORCING STEEL SHALL BE PLACED CENTERED IN THE CELL. LAP 48 BAR-DIAMETERS. PROVIDE BAR SPACERS AS REQUIRED TO MAINTAIN REINFORCING SECURED IN POSITION.
(D) VERTICAL REINFORCEMENT SHALL BE PROVIDED AT EACH SIDE OF OPENINGS IN WALL, AT WALL INTERSECTIONS, CORNERS AND ENDS. THIS REINFORCING SHALL BE THE SAME SIZE AS THE SCHEDULED WALL REINFORCING FOR THE PARTICULAR WALL BUT NEVER LESS THAN A #5 REBAR. SPECIAL CARE SHALL BE TAKEN TO INSURE THAT CELLS TO BE GROUTED LINE UP PROPERLY AND ARE CLEAN OF EXCESS MORTAR.
(E) ALL VERTICAL REINFORCING SHALL BE HOOKED INTO THE BOND BEAMS AT THE NON-CONTINUOUS END OF THE REBARS.
(F) PROVIDE INSPECTION HOLES AT THE BOTTOM OF EACH REINFORCED MASONRY CELL, AS REQUIRED FOR LIFTS HIGHER THAN 5 FT.
- 8.3. HORIZONTAL REINFORCING:
PROVIDE GALVANIZED #3 GAGE, LADDER TYPE HORIZONTAL JOINT REINFORCING EVERY SECOND BLOCK COURSE (1'-4" O.C. VERTICALLY) LAPPED 1'-1/2". PROVIDE SPECIAL HORIZONTAL REINFORCING AT "T" AND "L" INTERSECTION. ANCHOR TO COLUMNS WITH MINIMUM 4" EXTENSION INTO AREA OF FOUR.
- 9.3. PROVIDE "DOVE-TAIL" ANCHORS AT 16" O.C. VERTICALLY FOR ALL MASONRY PLACED ADJACENT TO ALREADY IN PLACE COLUMNS.
10. CELL FILLING CONCRETE SHALL BE "PEA DOCK" CONCRETE MIX (8" TO 9" SLUMP) OR GROUT WITH 1'-3.500 P.S.I. MIN. AT 28 DAYS.
- 11.1. LINTELS:
A. THE CONTRACTOR SHALL PROVIDE POURED CONCRETE LINTELS AT THE HEADS OF ALL OPENINGS IN MASONRY WALLS NOT EXCEEDING 5'6" (6) FEET IN WIDTH.
B. MINIMUM BEARING FOR ALL LINTELS 8 INCHES EACH SIDE OR PROVIDE DOUELS AND POCKETS IN ADJACENT CONCRETE COLUMNS.
C. LINTEL REINFORCING SHALL AS PER STRUCTURAL DRAWINGS.

STRUCTURAL STEEL: (SHOP DRAWINGS REQUIRED)

1. ALL STRUCTURAL STEEL TO BE DOMESTIC A.S.T.M. A-36 (Fy=36 K.S.I.) AND DESIGNED IN ACCORDANCE WITH THE LATEST A.I.S.C. "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND THE A.I.S.C. CODE OF STANDARD PRACTICE.
- 2.1. STEEL TUBE COLUMNS TO BE DOMESTIC STEEL CONFORMING TO A.S.T.M. A-36 (Fy=36 K.S.I.)
- 3.3. ALL COLUMN BASE AND CAP PLATES SHALL BE 3/4" THICK (UNLESS OTHERWISE NOTED). WIDTH AND LENGTH AS REQUIRED FOR PROPER BOLTING AND AS INDICATED ON THE PLANS AND DETAILS.
- 4.1. ALL WELDING TO BE IN ACCORDANCE WITH AWS, LATEST "STRUCTURAL WELDING CODE - STEEL". CLEAN AND RUSTPROOF ALL FIELD WELDS WITH HEAVY DUTY RUSTPROOFING PAINT.
- 5.3. ALL CONNECTIONS TO BE FIELD AND SHOP WELDED AND TO DEVELOP MEMBER IN SHEAR.
- 6.3. SPlice LOCATIONS TO BE REVIEWED BY ARCHITECT/ENGINEER.
- 7.1. STEEL BEARING ON STEEL TO BE WELDED THERETO.

STRUCTURAL WOOD:

1. TO CONFORM TO RULES OF THE MANUFACTURER'S ASSOCIATION UNDER WHOSE RULES THE LUMBER IS PRODUCED. (SEE SUPPLIER'S SPECIFICATIONS).
- 2.1. TO BE AIR DRIED, WELL SEASONED AND GRADE MARKED AT MILL.
- 3.3. TO BE NO. 2 SOUTHERN PINE, UTILITY GRADE DOUGLAS FIR OR WEST COAST HEMLOCK.
- 4.1. ALL STRUCTURAL WOOD TO BE SURFACED FOUR (4) SIDES (9-4-5) WITH A MINIMUM FIBER STRESS IN BENDING OF 1200 P.S.I. AND A MAXIMUM MOISTURE CONTENT OF 19 PERCENT.
- 5.3. ALL LUMBER AND PLYWOOD IN CONTACT WITH CONCRETE, STUCCO, MASONRY OR OTHER CEMENTITIOUS MATERIALS SHALL BE TREATED TO COMPLY WITH AIAFA STANDARD LP-2.
- 6.3. STORE ALL LUMBER ABOVE GRADE OR FLOOR. STACK TO ALLOW PROPER AIR CIRCULATION AND PROTECT FROM WETTING WITH SUITABLE COVER.

STRUCTURAL METAL BAR JOIST

1. STEEL JOIST MANUFACTURER SHALL BE A MEMBER OF THE STEEL JOIST INSTITUTE.
2. STEEL JOISTS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE AISC STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS K, LH, OR DLH SERIES (SEE PLAN), AND OSHA STEEL ERECTION STANDARD.
3. JOISTS, GIRDERS, AND ALL ACCESSORIES SHALL BE DESIGNED BY A LICENSED DELEGATED ENGINEER WHO SHALL PREPARE DESIGN CALCULATIONS AND SUPERVISE THE PREPARATION OF SHOP DRAWINGS.
4. VERIFY THE EXACT LOCATION AND WEIGHT OF ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR PRIOR TO FABRICATION OF JOISTS.
5. ALL HANGERS TO SUPPORT MECHANICAL EQUIPMENT, ETC., TO BE SUPPORTED BY THE TOP OR BOTTOM CHORD OF JOISTS SHALL BE LOCATED AT THE PANEL POINT OF THE JOIST. IF HANGERS MUST BE LOCATED IN BETWEEN PANEL POINTS, PROVIDE JOIST STIFFENER AS INDICATED IN DETAILS. ALL HANGERS TO BE LOCATED AT THE CENTERLINE OF THE BOTTOM CHORD MEMBER.
6. NO MODIFICATION THAT AFFECTS THE STRENGTH OF A STEEL JOIST SHALL BE MADE WITHOUT THE APPROVAL OF THE DELEGATED ENGINEER.
7. DELEGATED ENGINEER SHALL DESIGN JOISTS AND BRIDGING FOR GRAVITY LOADS AND WIND LOAD UPLIFT PRESSURES INDICATED ON THE DRAWINGS.
8. JOIST BRIDGING SHALL BE FURNISHED AND INSTALLED TO MEET THE DESIGN AND SPACING REQUIREMENTS OF THE SJI STANDARD SPECIFICATIONS. ALL BRIDGING AND BRIDGING ANCHORS SHALL BE COMPLETELY INSTALLED BEFORE CONSTRUCTION LOADS ARE PLACED ON THE JOISTS.
9. WHERE COLUMNS ARE NOT FRAMED IN AT LEAST TWO DIRECTIONS WITH SOLID WEB BEAMS, A STEEL JOIST SHALL BE FIELD-BOLTED AT THE COLUMN TO PROVIDE LATERAL STABILITY DURING ERECTION.
10. A 6"x6" MINIMUM VERTICAL STABILIZER PLATE TO RECEIVE THE JOIST BOTTOM CHORD MUST BE PROVIDED AT COLUMNS. THE STABILIZER PLATE MUST HAVE A 1/2" INCH HOLE FOR THE ATTACHMENT OF GUYING OR PLUMBING CABLES.
11. JOISTS AND ACCESSORIES SHALL HAVE ONE SHOP COAT OF PAINT MEETING THE MINIMUM PERFORMANCE REQUIREMENTS OF THE LATEST SJI SPECIFICATIONS. SEE ARCHTCT FOR PREFERRED COLOR.
12. SEE PLAN FOR ANY CONCENTRATED LOADS OR UNUSUAL CONDITIONS. ALL JOISTS SUBJECT TO SPECIAL LOADS OR CONDITIONS SHALL BE CONSIDERED "SPECIAL JOISTS", (SP).
13. CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS SHOWING JOINTS, BRIDGING, AND ALL CONNECTIONS. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE DELEGATED ENINEER.
14. THE DELEGATED ENGINEER MUST BE PROVIDED WITH A COPY OF THESE DRAWINGS AND SPECIFICATIONS.
15. UNLESS PANELIZED, ALL JOISTS 40 FOOT LONG AND LONGER AND THEIR BEARING MEMBERS MUST HAVE HOLES TO ALLOW FOR INITIAL CONNECTIONS BY BOLTING.
16. PROVIDE ONE ROW UPLIFT BRIDGING AT THE FIRST PANEL POINT FROM EACH SUPPORT
17. A ROW OF BOLTED DIAGONAL BRIDGING MUST BE PROVIDED NEAR MIDSPAN OF ALL JOISTS SHOWN IN SJI TABLES A & B. DO NOT RELEASE HOISTING CABLES UNTIL THIS BRIDGING IS INSTALLED.
18. FOR JOIST SPANS OVER 60 FEET, ALL ROWS OF BRIDGING SHALL BE BOLTED DIAGONAL BRIDGING. DO NOT RELEASE HOISTING CABLES UNTIL THE TWO ROWS NEAR THE THIRD POINTS ARE INSTALLED.
19. FOR JOIST SPANS OVER 200 FEET THRU 144 FEET, ALL ROWS OF BRIDGING SHALL BE BOLTED DIAGONAL BRIDGING. DO NOT RELEASE HOISTING CABLES UNTIL ALL ROWS OF BRIDGING ARE INSTALLED.
20. PROVIDE ONE ROW DIAGONAL BRIDGING AT THE SUPPORTS OF ALL FULL DEPTH BEARING JOISTS. DO NOT RELEASE HOISTING CABLES UNTIL THE SUPPORT BRIDGING IS INSTALLED.
21. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL PROVIDE MEANS FOR ADEQUATE DISTRIBUTION OF CONCENTRATED LOADS SO THAT THE CARRYING CAPACITY OF ANY JOIST IS NOT EXCEEDED.
22. ONE END OF ALL JOISTS SHALL BE ATTACHED TO ITS SUPPORT IN ACCORDANCE WITH SJI SPECIFICATIONS BEFORE ALLOWING THE WEIGHT OF AN ERECTOR ON THE JOISTS.
23. IN THE CASE OF BOTTOM CHORD BEARING JOISTS, THE ENDS OF THE JOIST MUST BE RESTRAINED LATERALLY BEFORE RELEASING THE HOISTING CABLES.
24. SEE STANDARD JOIST SPECIFICATIONS FOR CAMBER REQUIREMENTS.
25. SUBMIT COMPLETE SHOP DRAWINGS FOR ALL JOISTS AND ACCESSORIES, AND A LETTER, SIGNED AND SEALED BY THE DELEGATED ENGINEER, CONFIRMING COMPLIANCE WITH THE DESIGN CRITERIA AND ALL APPLICABLE CODES.

METAL DECKING

1. METAL DECK WORK SHALL CONFORM TO THE REQUIREMENTS OF THE STEEL DECK INSTITUTE.
2. METAL ROOF DECK SHALL BE 1 1/2" DEEP, 22 GA, WIDE RIB TYPE F AND GALVANIZED. (VULCRAFT 15B22 OR EQUIVALENT)
3. FASTEN ROOF DECK WITH GALVANIZED IRON STITCH SCREWS AT SIDELAP CONNECTIONS BETWEEN BEARING POINTS. PERIMETER EDGES OF DECK SHALL BE SCREWED AT MAXIMUM SPACING OF 3' O.C.
4. WELDING OF DECK TO BEARING IS NOT AN OPTION.
5. INSTALL ALL DECKING 3 SPAN CONTINUOUS.
6. DO NOT HANG OR ATTCH DUCTWORK, CONDUIT, PIPING, EQUIPMENT, CEILINGS, ETC. FROM METAL DECKING.
7. ROOF DECK OPENINGS 12" DIAMETER OR LARGER ARE TO HAVE SUPPORT ANGLES PER TYPICAL DECK OPENING DETAIL, INCLUDING OPENINGS FOR ROOF SUMP PANS.

REVISION:

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New Office Facilities for:
DR. D. DUARTE M.D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
GENERAL STRUCTURAL NOTES

NICHOLAS PAUL GELLER ARCHITECT
N.C.A.A.R. Certified
1758 NW Brown Rd.
Lake City, FL 32055
(386) 753-9021

DATE:

03DEC2008

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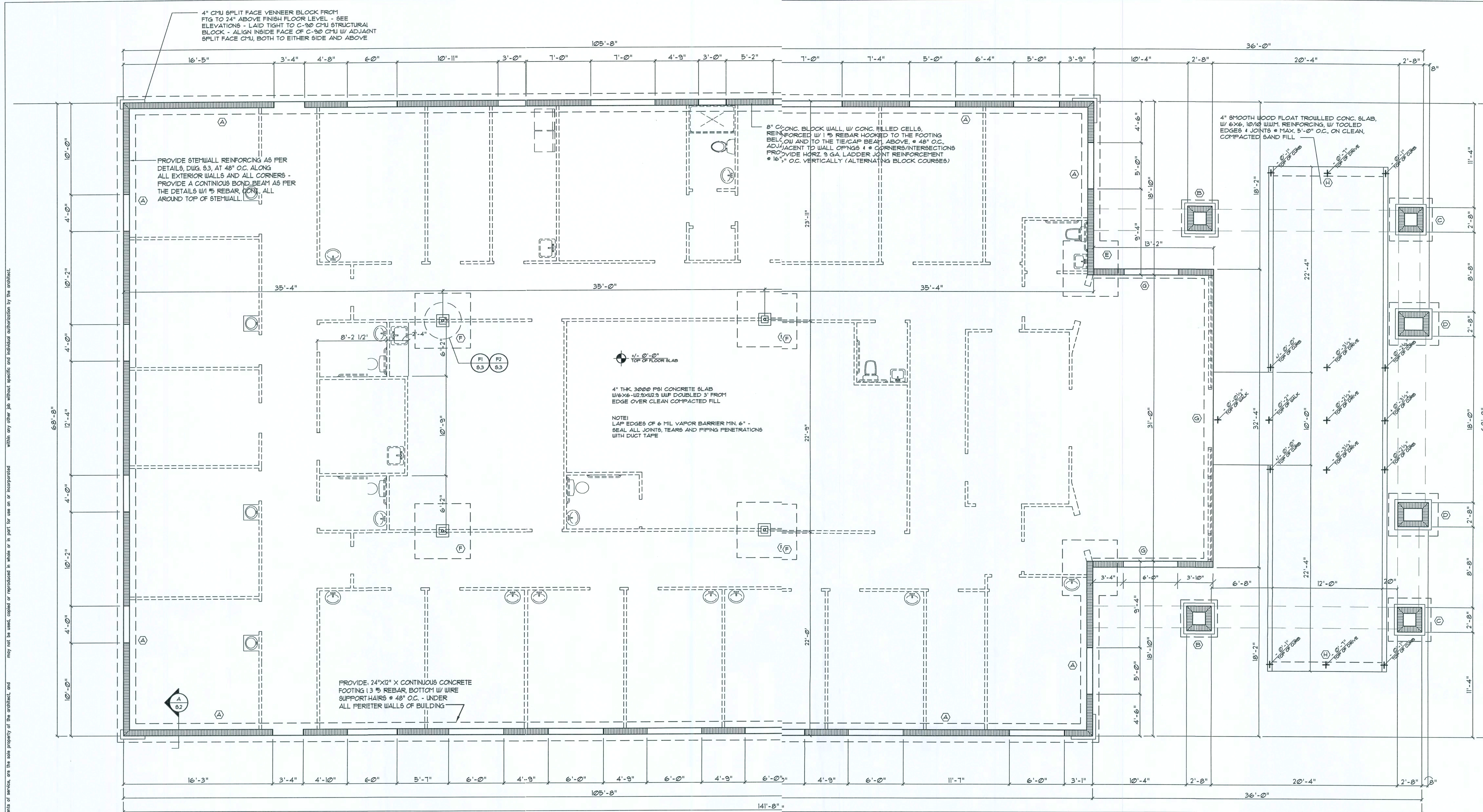
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1 OF 6

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Foundation PLAN

SCALE: 3/16" = 1'-0"

FOOTING SCHEDULE

- (A) 24" x 12" x CON. FOOTING,
3 REBAR, 420C, CONT. # 1
3 REBAR # 420C, TRANSVERSE
- (B) 48" SQ. x 16" TL PAD FOOTING, W/
5 # 5 EA. WAY, BTOM
- (C) 56" SQ. x 16" TL PAD FOOTING, W/
6 # 5 EA. WAY, ETOM
- (D) 54" x 56" x 16" H-K PAD FOOTING, L/
6 # 5 SHT. WAY, 3 LG. WAY, BOTTOM
- (E) 72" SQ. x 20" TL PAD FOOTING, W/
8 # 5 EA. WAY, BTOM
- (F) 72" SQ. x 20" TL MONOLITHIC PAD
FTG. W/ 8 # 5 EA. AT, BOTTOM
- (G) 72" x 18" x CON. TIONED FOOTING, W/
2 # 5 x CONT. BTOM
- (H) 12" x 8" x CON. THICKENED EDGE, W/
2 # 5 x CONT. BTOM

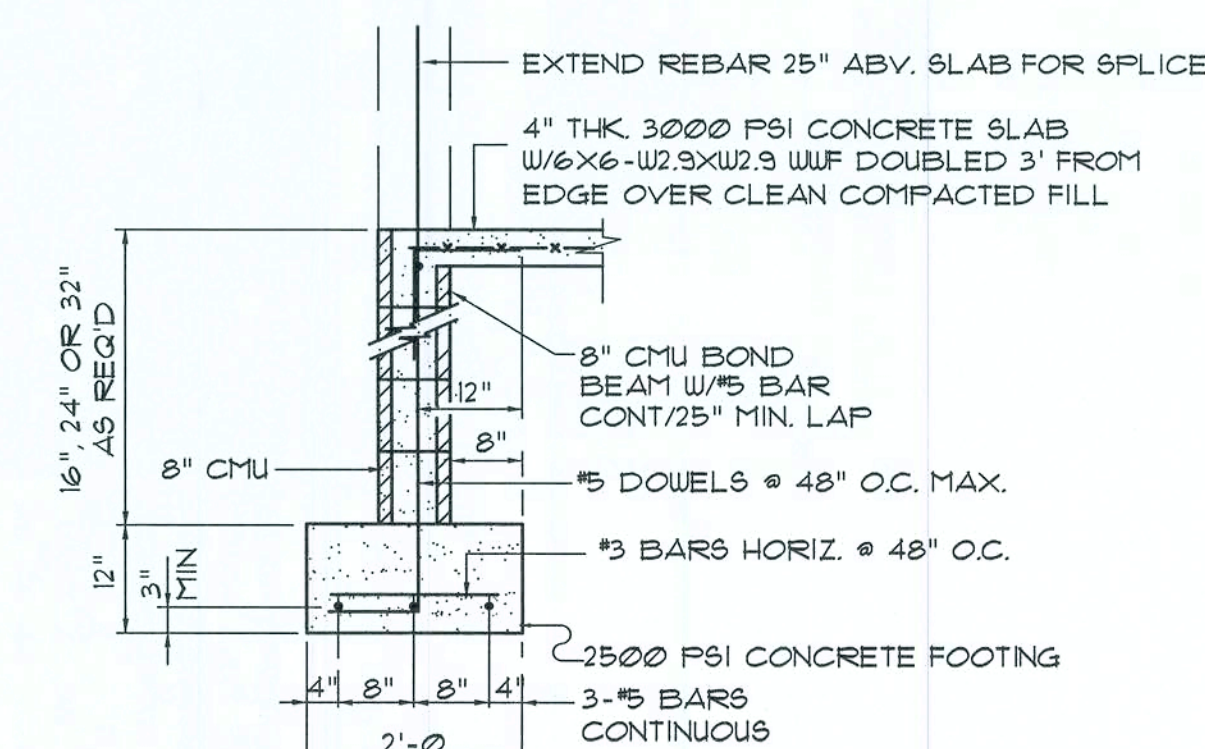
NOTE:
ADDED FILL SHALL BE APPLIED IN 8" LIFTS -
EACH LIFT SHALL BE COMPACTED TO 95% DRY
COMPACTION PER THE "MODIFIED PROCTOR"
METHOD.

NOTE!
REFER TO ELEVATIONS FOR AREAS OF C-90 CMU AND SPLIT-FACE CMU - AREAS OF EXPOSED CMU BLOCK SHALL HAVE TOOLED JOINTS, AREAS TO RECEIVE STUCCO FINISH SHALL HAVE JOINTS STRUCK FLUSH W/ FACE OF BLOCK, ALL INTERIOR JOINTS TO BE STRUCK FLUSH

NOTE!
THE DESIGN WIND SPEED FOR THIS
PROJECT IS 110 MPH PER 2004 FBC 1609
AND LOCAL JURISDICTION REQUIREMENTS

NOTE!
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE:
HVAC CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL HVAC WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.



SECTION

SCALE: NONE

NOTE: ASSUMED SOIL BEARING CAPACITY 1000 PSF

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DRAWN:

1793

DR. D. DUARTE M. D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
FOUNDATION PLAN

NG

**NICHOLAS
PAUL
GEISLER
ARCHITECT**

1758 NW Brown Rd.
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386-755-9021

N.C.A.R.B. Certified

DATE:

03DEC2008

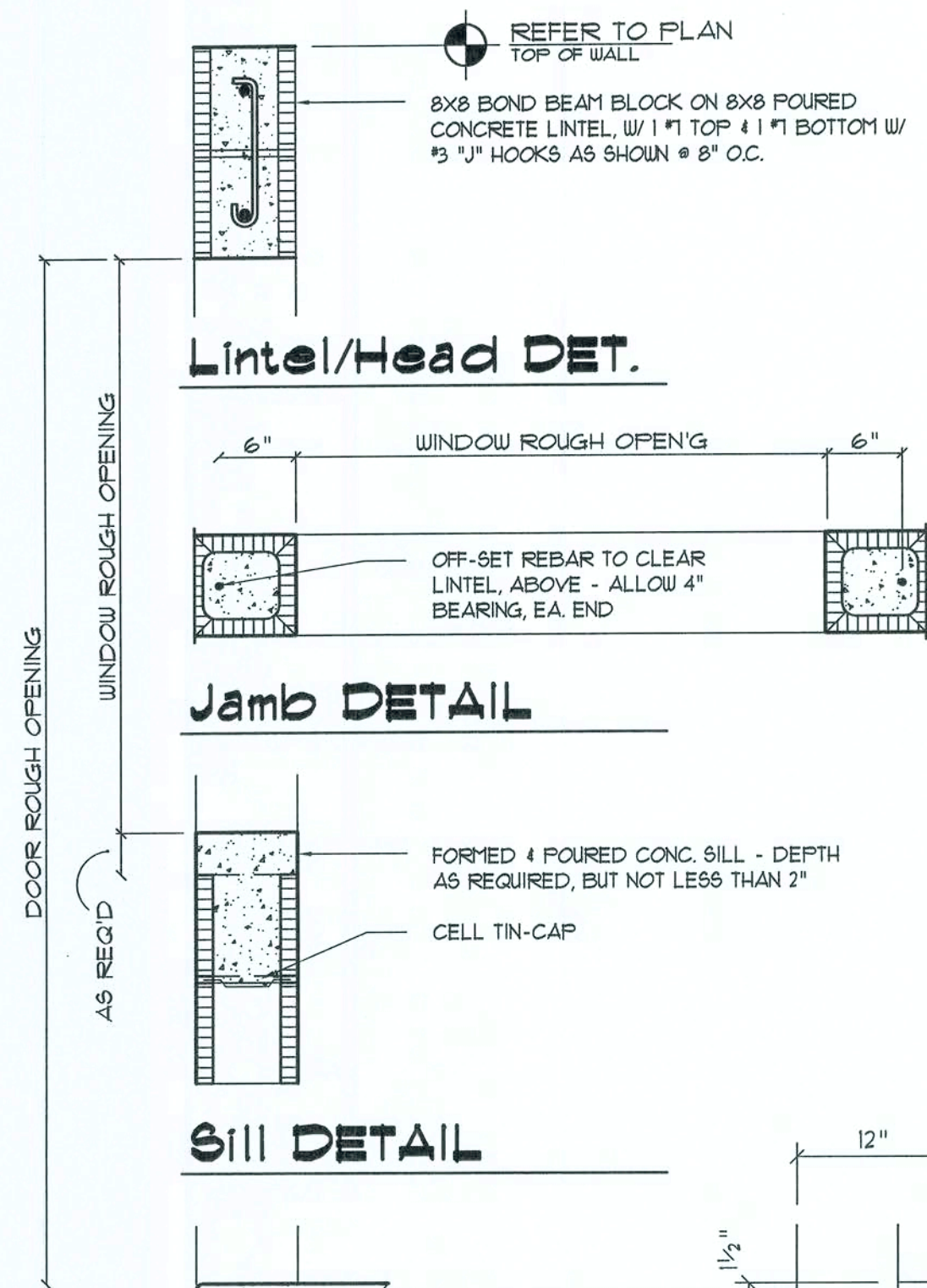
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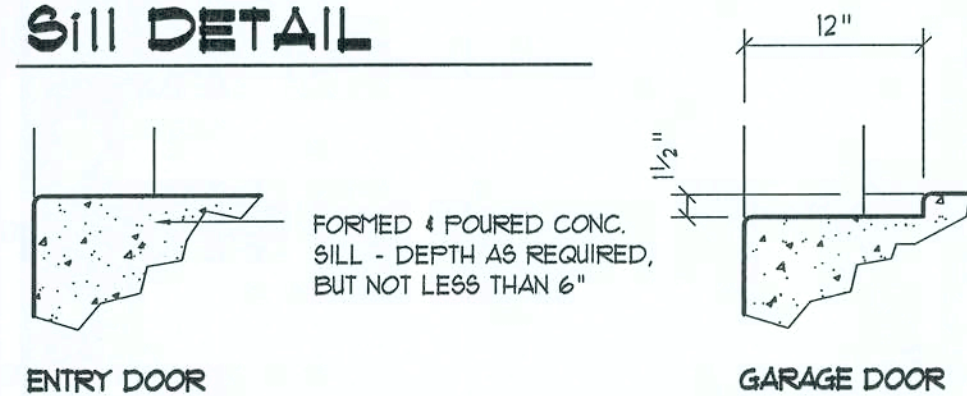
S2
2 OF 6

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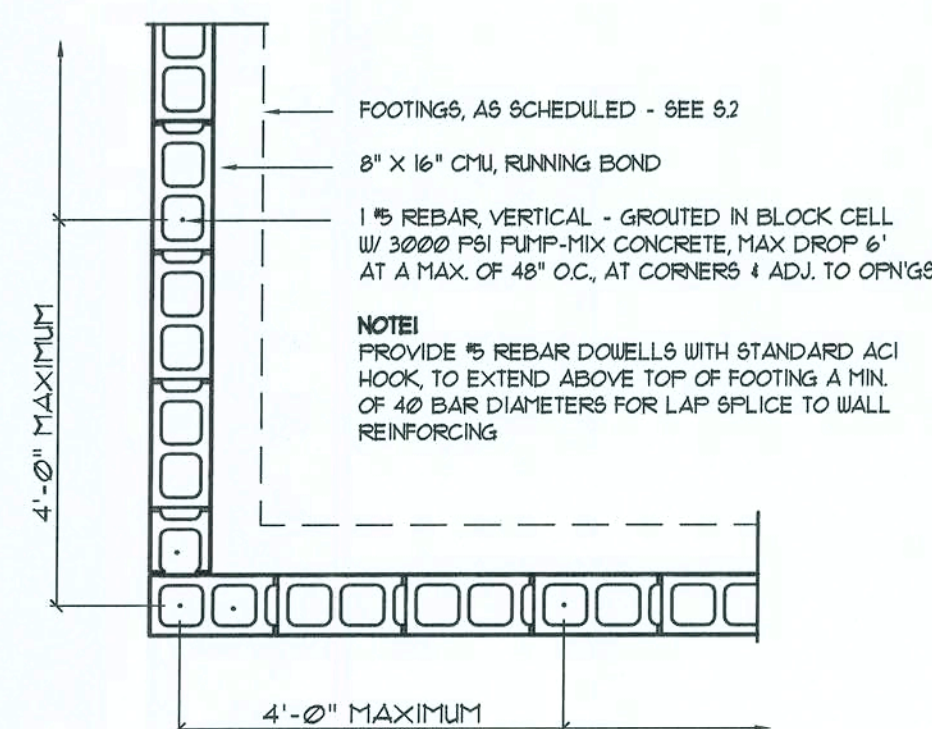
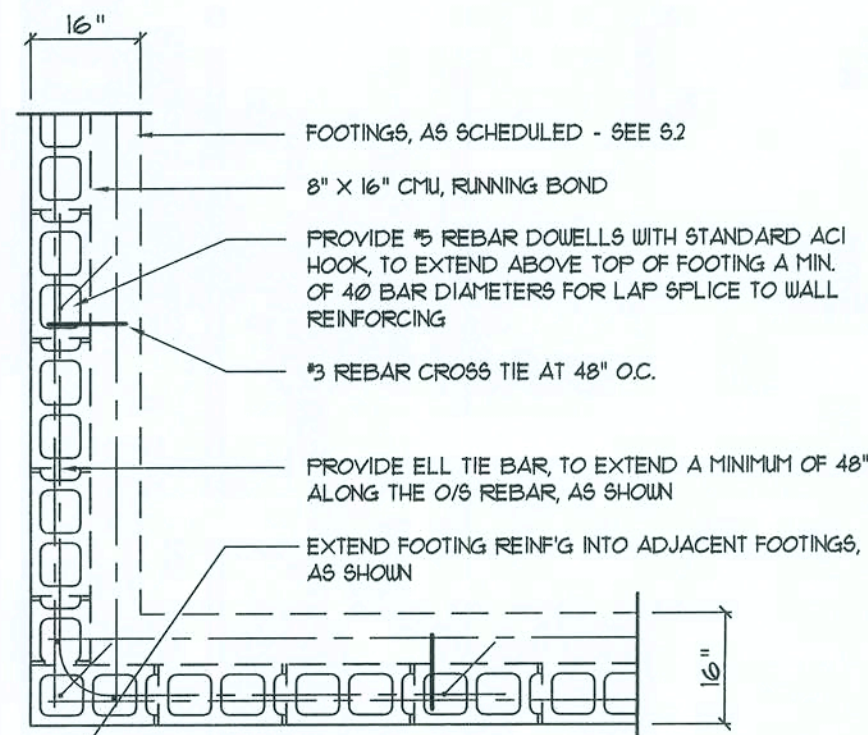
Sill DETAIL



Sill DETAIL

Masonry Opn'g DET'S

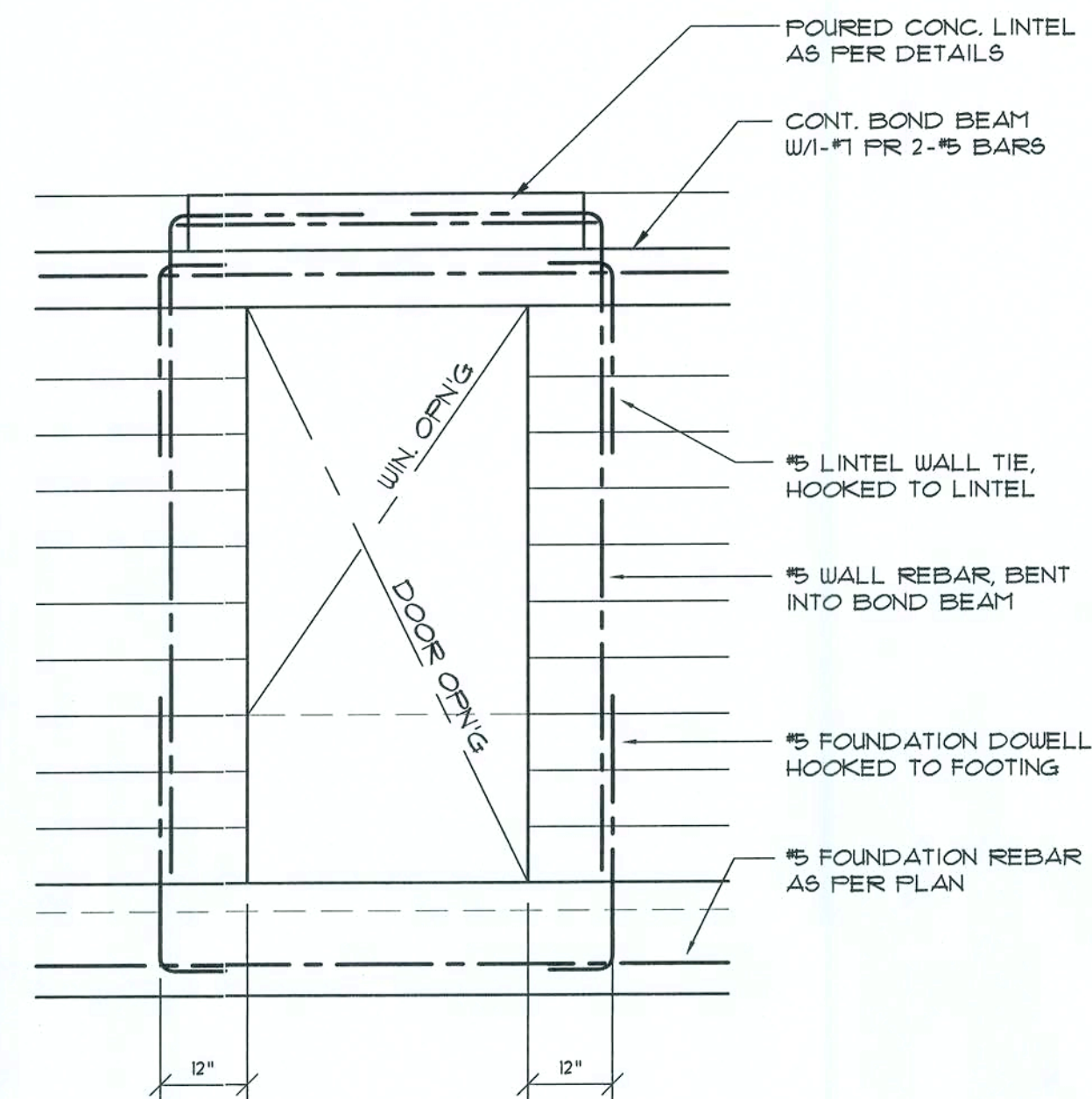
SCALE: 1" = 1'-0"



Wall/Foundation Reinf'g DETAIL

SCALE: 1/2" = 1'-0"

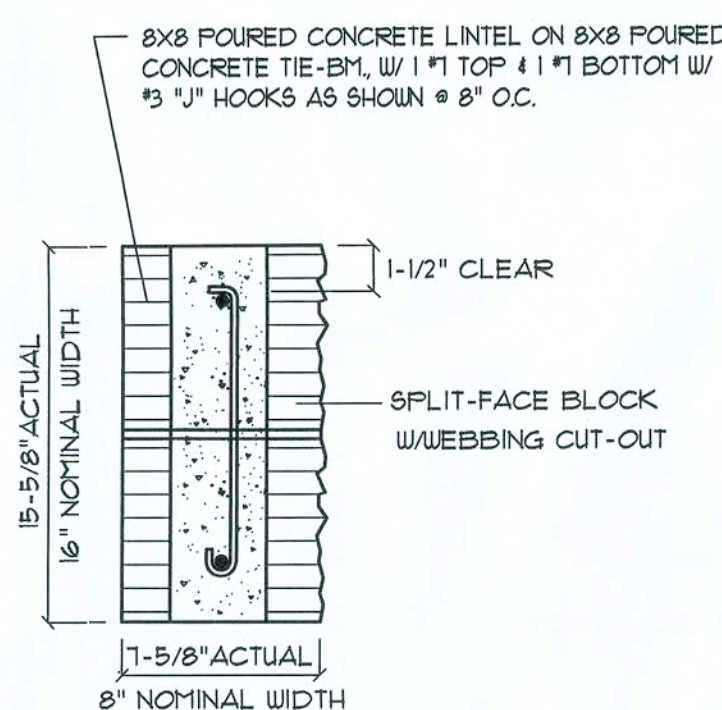
NOTE:
ALL BLOCK CELLS CONTAINING VERTICAL REINFORCING, SHALL BE SOLIDLY FILLED WITH CONCRETE - SEE GENERAL NOTES



Typical Door/Window Opening Reinforcing DET.

SCALE: 1/2" = 1'-0"

NOTE:
REFER TO GENERAL NOTES FOR LAP SPLICE AND HOOK MINIMUM LENGTH/SIZE - ALL PER ACI 318-LATEST



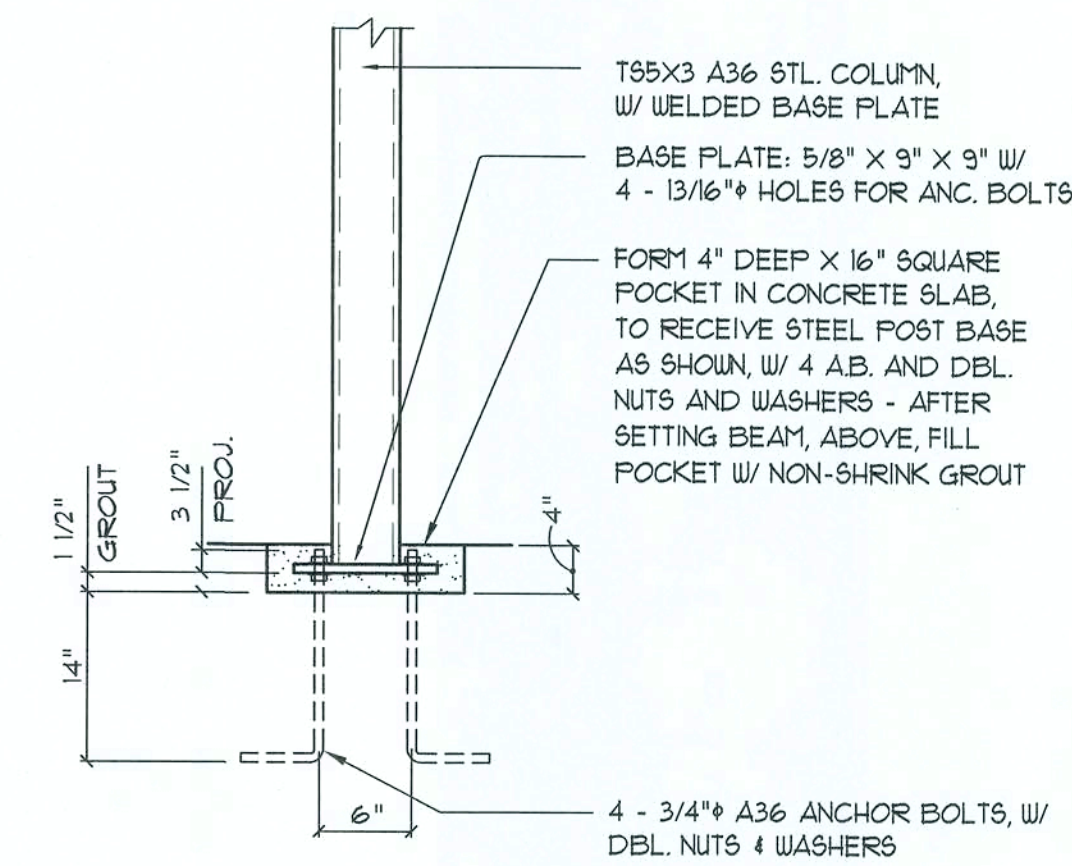
NOTE:
CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND SHORING AT ALL DOOR AND WINDOW OPENINGS.

Typical Tie-Bm./Lintel Reinforcing DET.

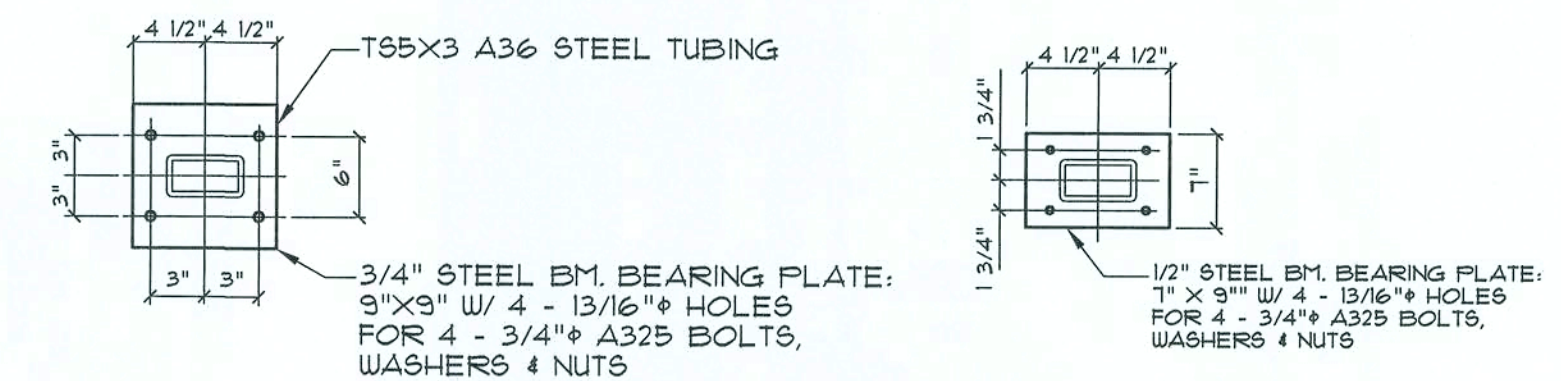
SCALE: 1/2" = 1'-0"

GENERAL BEAM SCHEDULE NOTE:

- SCHEDULED HOOPS OR STIRRUPS SHALL BE PLACED AT EACH END OF BEAM UNLESS NOTED OTHERWISE. STIRRUPS SHALL BE TYPE S-6 & HOOPS SHALL BE TYPE T-2 TYPICAL CR61 BAR BENDS UNLESS NOTED OTHERWISE.
- BUNDLE ALL STRUCTURAL BEAM TOP BARS IN PAIRS OVER SUPPORTS WITH TOP BARS FROM ADJACENT BEAMS.
- ALL CONCRETE BEAMS OTHER THAN THOSE WITH THE PREFIX TB SHALL BE POURED PRIOR TO PLACING OF BLOCK BELOW.
- ALL TIE BEAM REINFORCING SHALL BE CONTINUOUS THROUGH TIE BEAMS ONLY. ALL SPLICES SHALL BE A MINIMUM OF 30 BAR DIAMETERS.
- ALL TIE BEAM TOP REINFORCING SHALL EXTEND INTO SPAN OF ANY ADJACENT STRUCTURAL BEAM AS PER BENDING DIAGRAM.
- DROP BOTTOM OF TIE BEAMS AS REQUIRED AT WINDOW AND DOOR HEADS (28" MAXIMUM) AND ADD 2 #5 BOTTOM IF DROP EXCEEDS 8".
- TIE BEAM SCHEDULED DEPTHS ARE MINIMUM AND MAY BE INCREASED (8" MAXIMUM) TO FIT BLOCK WORK.
- ALL ADDED LONGITUDINAL BEAM REINFORCING SHALL EXTEND A MINIMUM OF 6" INTO SUPPORT UNLESS NOTED OTHERWISE.
- MARK "C" IN REINFORCING COLUMN BETWEEN TWO BEAMS INDICATES THAT REINFORCING SHALL BE CONTINUOUS THROUGH THESE TWO BEAMS.



TYP. SECTION

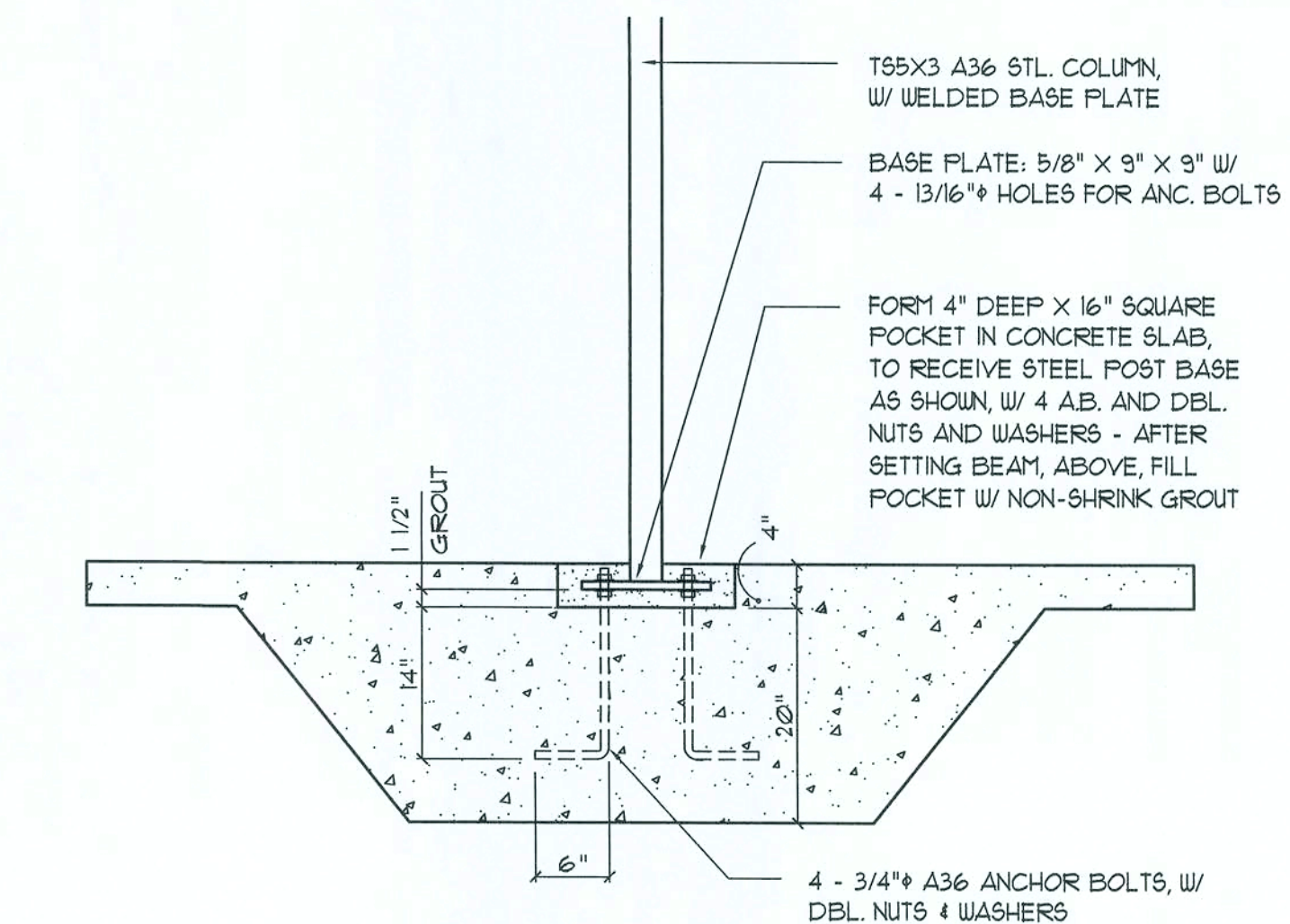


STEEL POST NOTES:

- LENGTH OF POSTS SHALL BE DETERMINED WITH FIELD MEASUREMENTS OF AS-BUILT CONDITIONS - POST BEARING IS 3" BELOW FLOOR SLAB ELEVATION
- ALL POST COMPONENTS SHALL BE FULLY WELDED CHIPED AND SHOP PAINTED.
- RED IRON WORK SHALL REQUIRE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION OF THE PRODUCT.
- NOTE ORIENTATION OF BOTH THE BASE PLATE AND BEAM SUPPORTS !!!

Steel Post DETAILS

SCALE: 3/4" = 1'-0"



Post Base DETAIL

SCALE: 3/4" = 1'-0"

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New Office Facilities for:
D. D. DART M.D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
STRUCTURAL DETAILS

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03DEC2008

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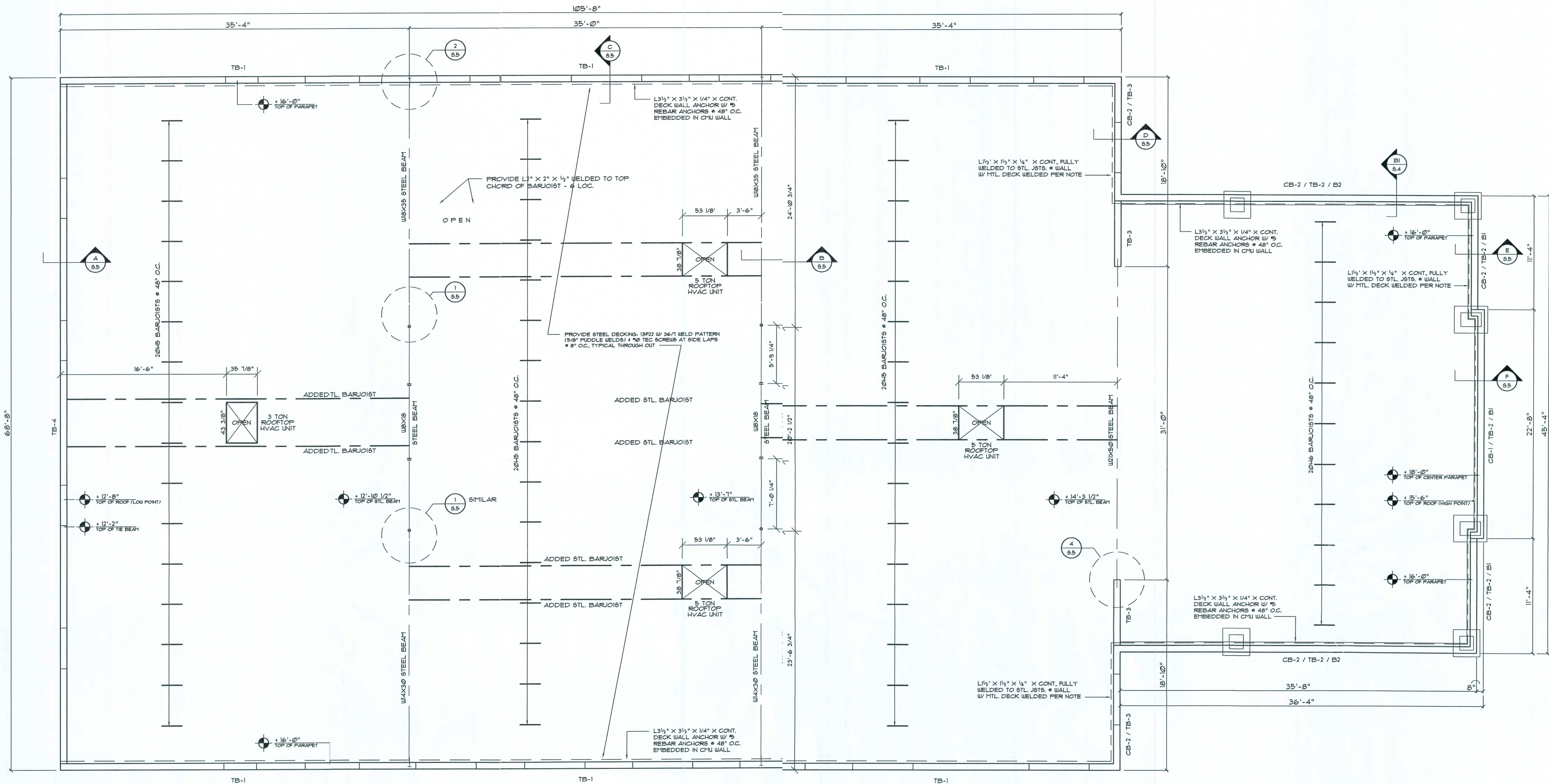
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3 OF 6

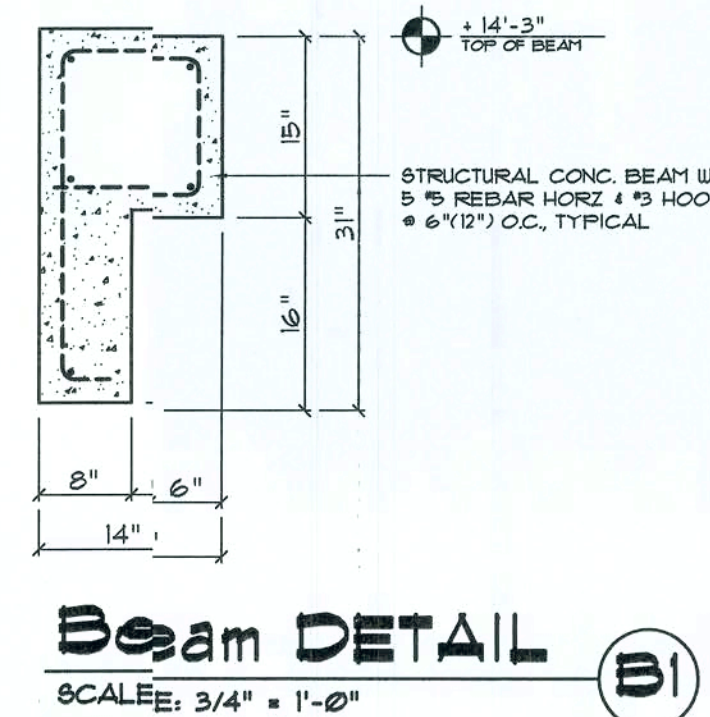
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Roof Framing PLAN
SCALE: 3/16" = 1'-0"

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2004 EDITION.	
BASIC WIND SPEED:	110 MPH
WIND IMPORTANCE FACTOR (I):	I = 1.00
BUILDING CATEGORY:	CATEGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MFPS PER TABLE 1609.2.A (FBC 2004):	ROOF: - 23.1 PSF
DESIGN WIND PRESSURES:	WALLS: + 18.2 PSF
ROOF ANG. 0°-5°:	EAVES: - 32.3 PSF
COMPONENTS & CLADDING PER TABLES 1609.2.B & 1609.2.C (FBC 2004):	OPNGS: + 21.8 / - 28.1 PSF
DESIGN WIND PRESSURES:	EAVES: - 51.6 PSF
	ROOF: + 10.0 / - 55.0 PSF



Beam DETAIL
SCALE: 3/4" = 1'-0"

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DRAWN:
NPG

New Office Facilities for:
DR. D. DUARTE M.D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
ROOF FRAMING PLAN

NICHOLAS GEISLER ARCHITECT
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N.C.A.A.B. Certified

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03DEC2008

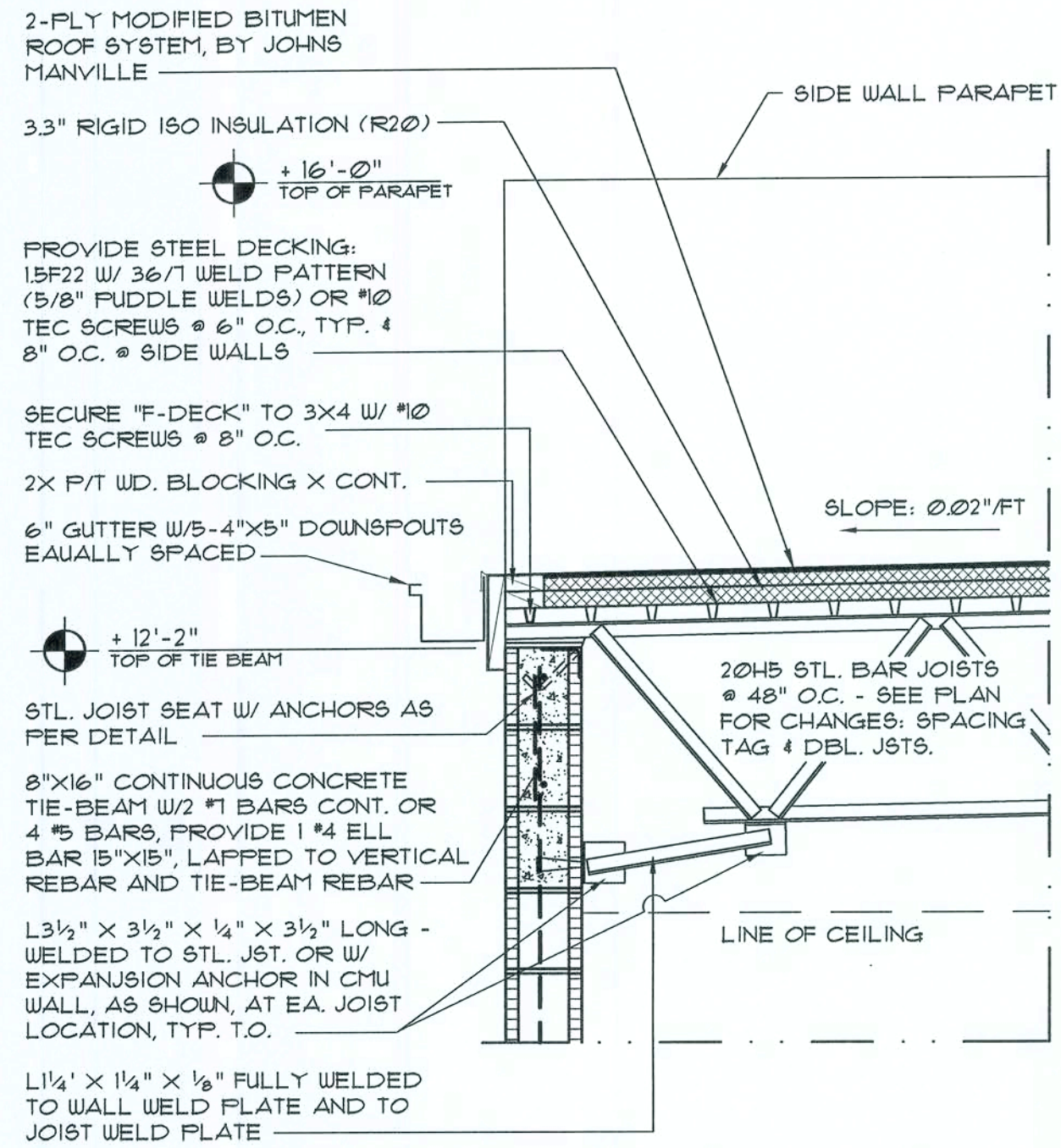
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3.4
3 OF 6

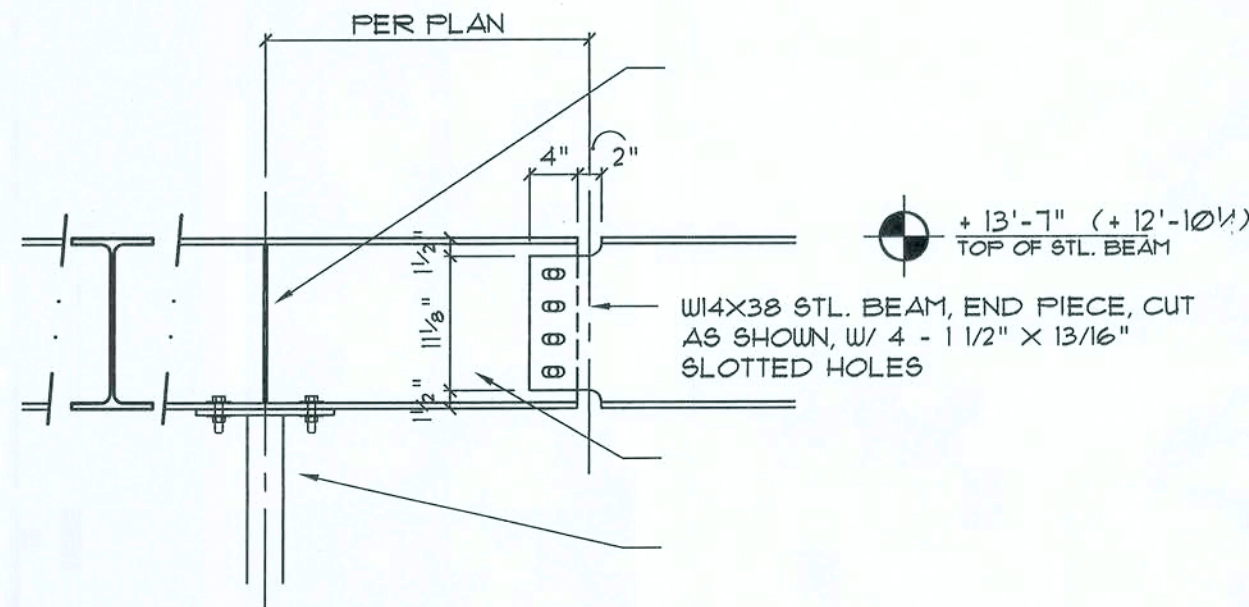
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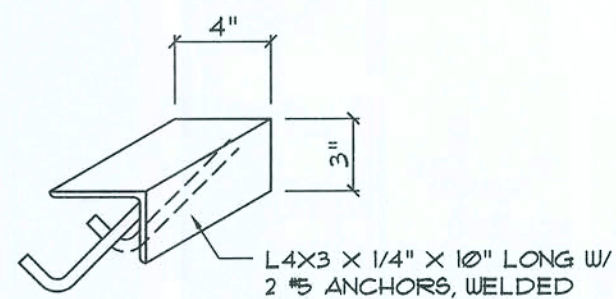
SECTION @ Tie Beam A

SCALE: 3/4" = 1'-0"



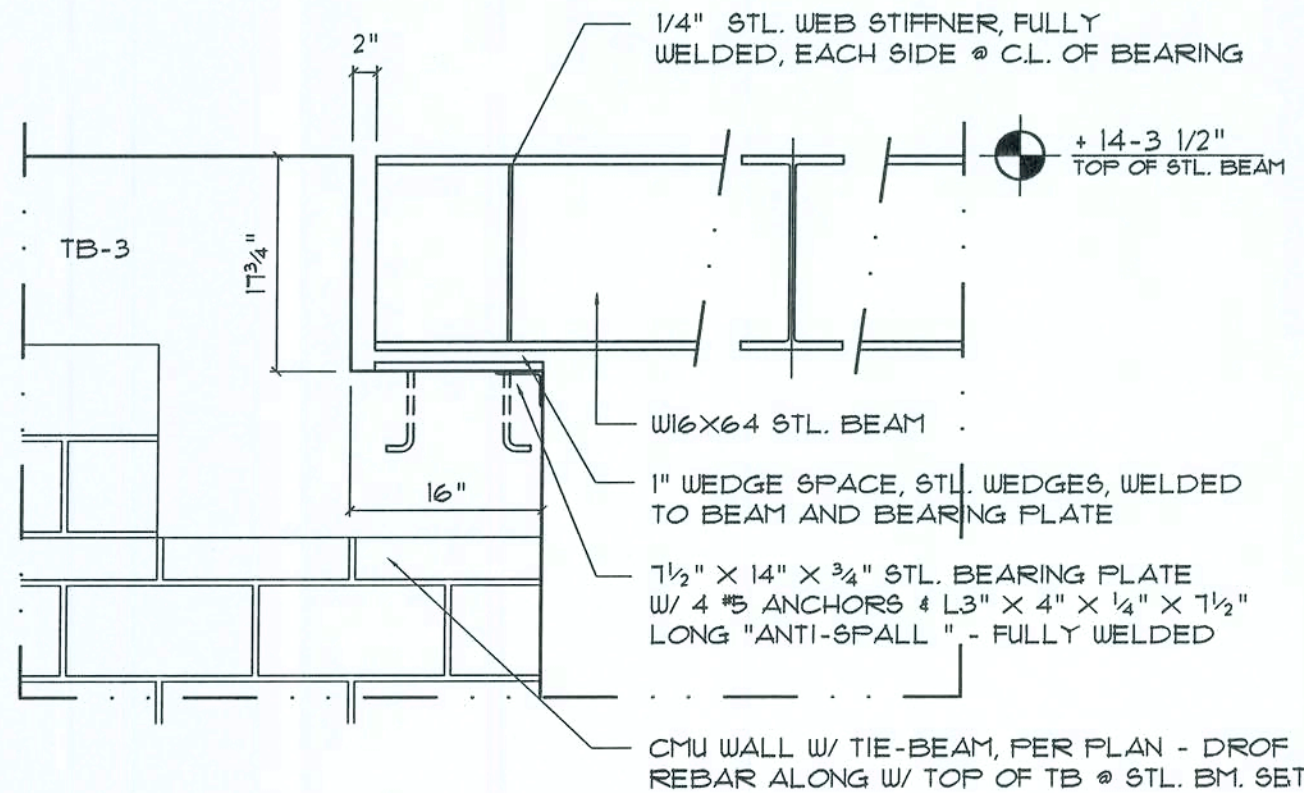
Offset Support DET. 1

SCALE: 3/4" = 1'-0"



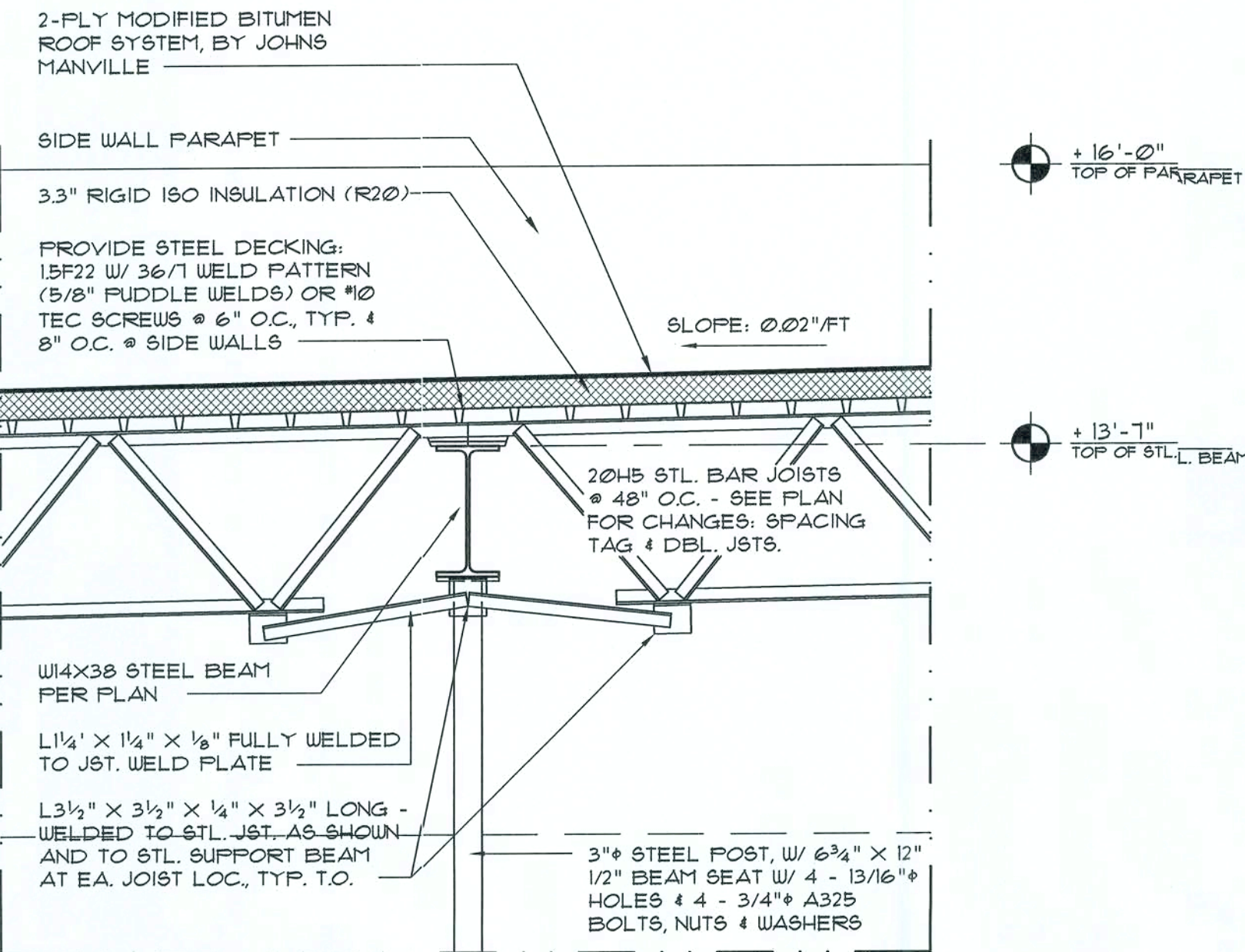
Jet Seat DET. 3

SCALE: 1 1/2" = 1'-0"



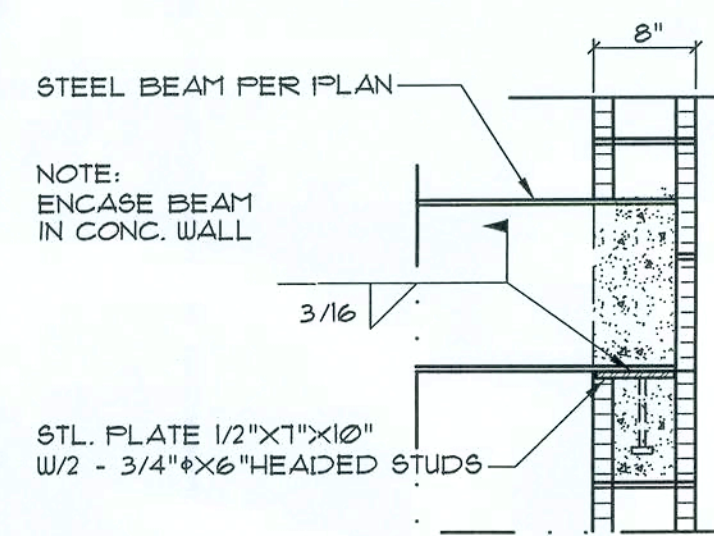
Stl. Bm. Anchor DET. 4

SCALE: 3/4" = 1'-0"



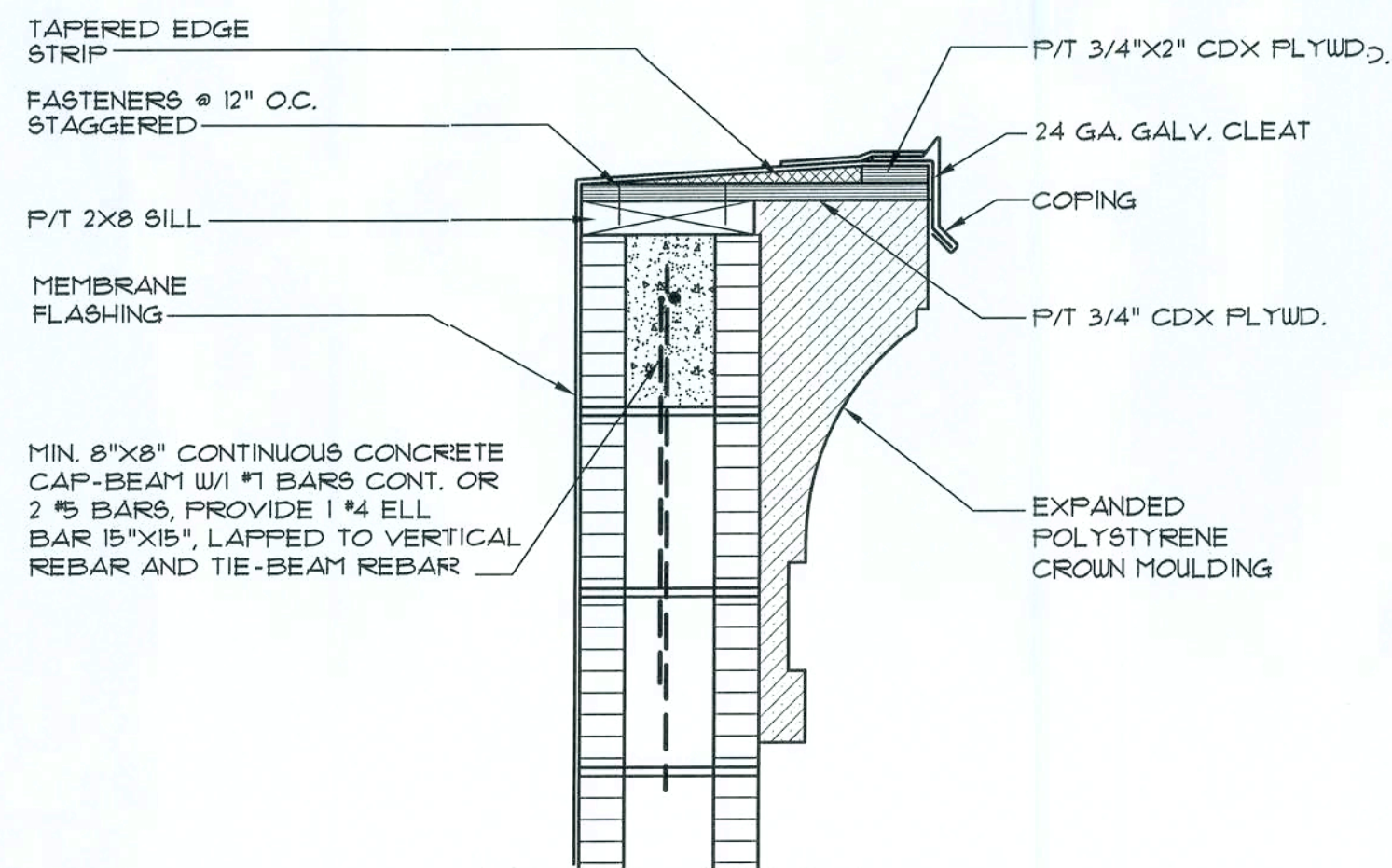
SECTION @ Stl. Beam B

SCALE: 3/4" = 1'-0"



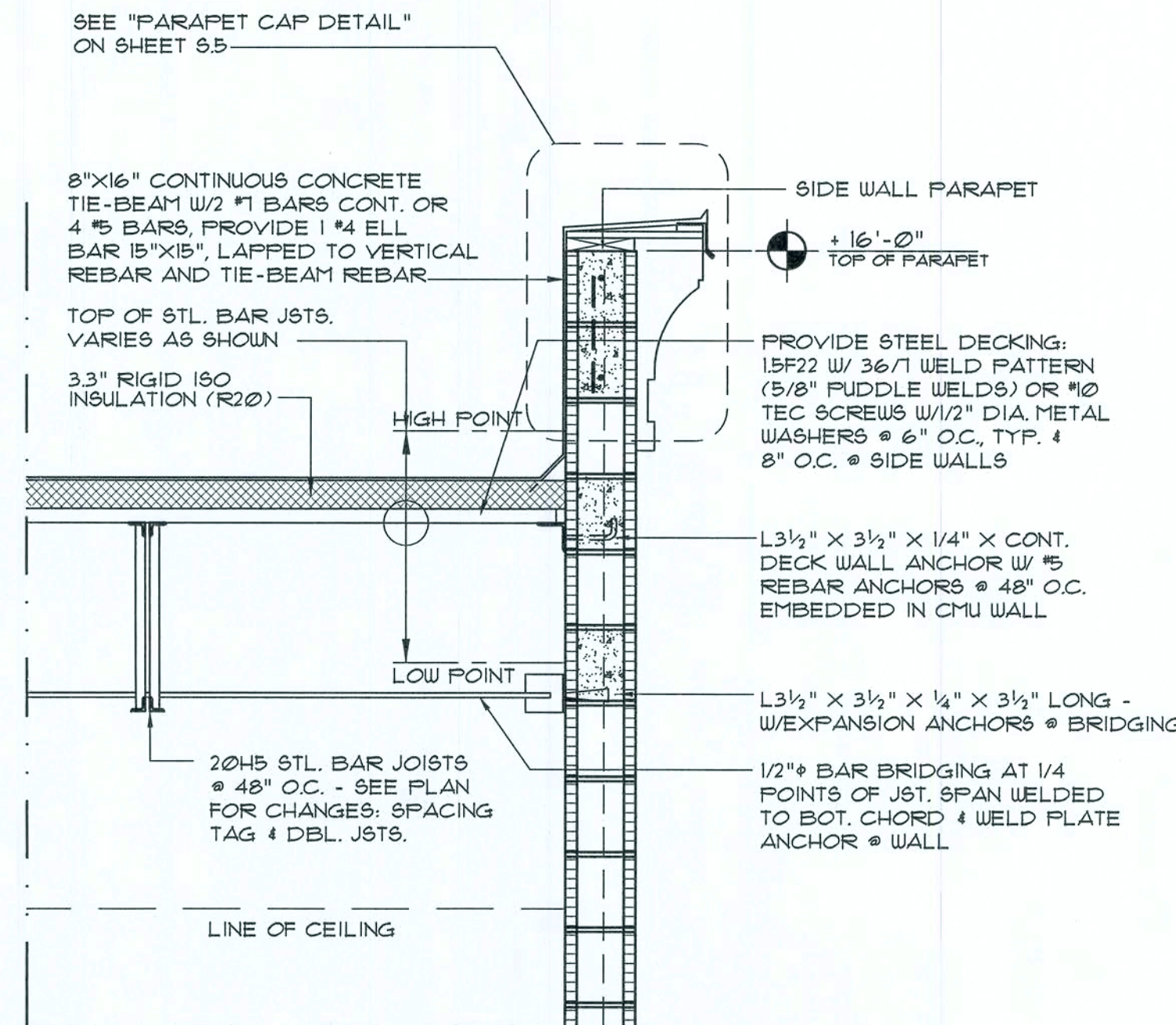
Stl. Bm. Anchor DET. 2

SCALE: 3/4" = 1'-0"



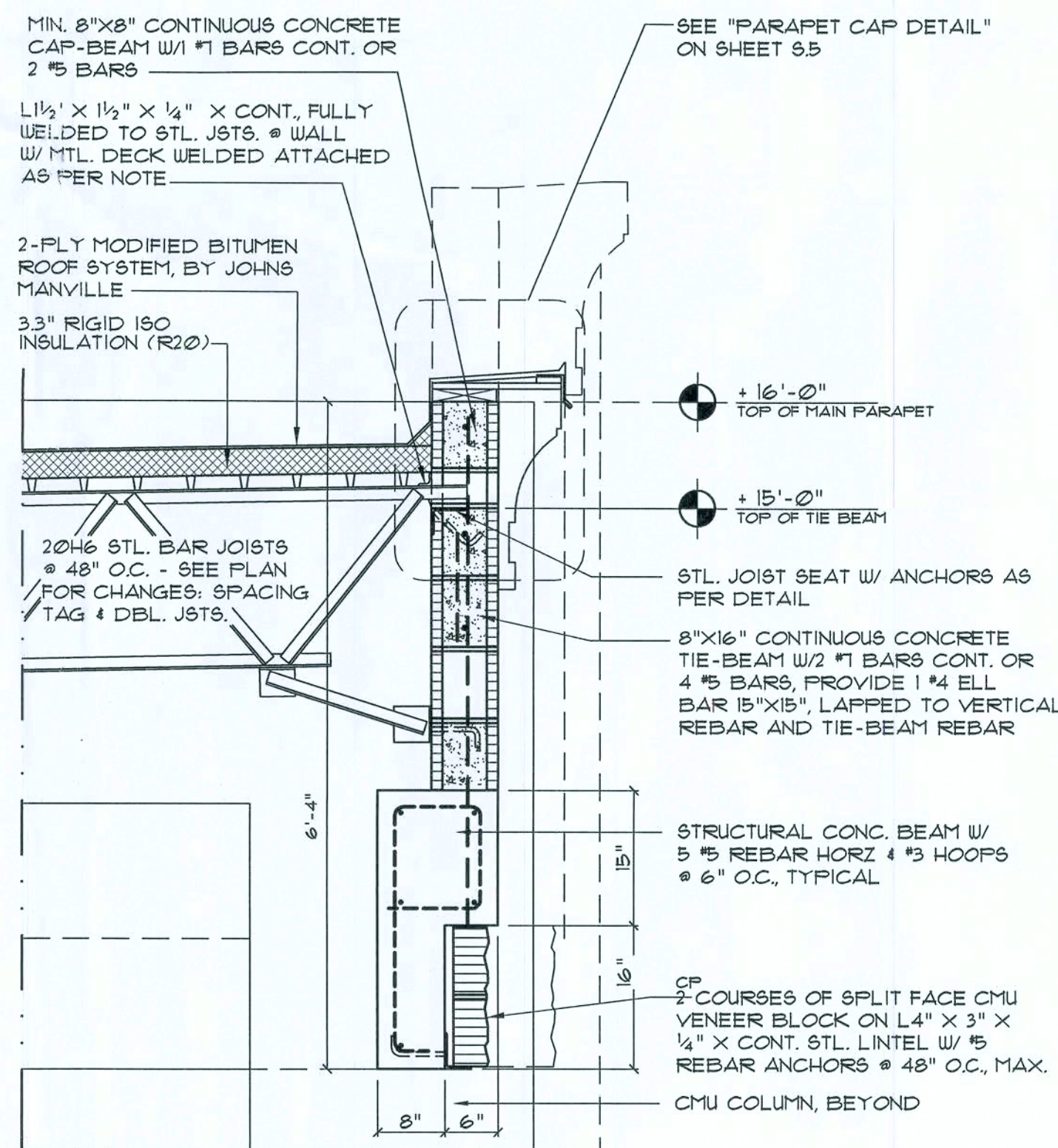
Parapet Cap DET. 5

SCALE: 3/4" = 1'-0"



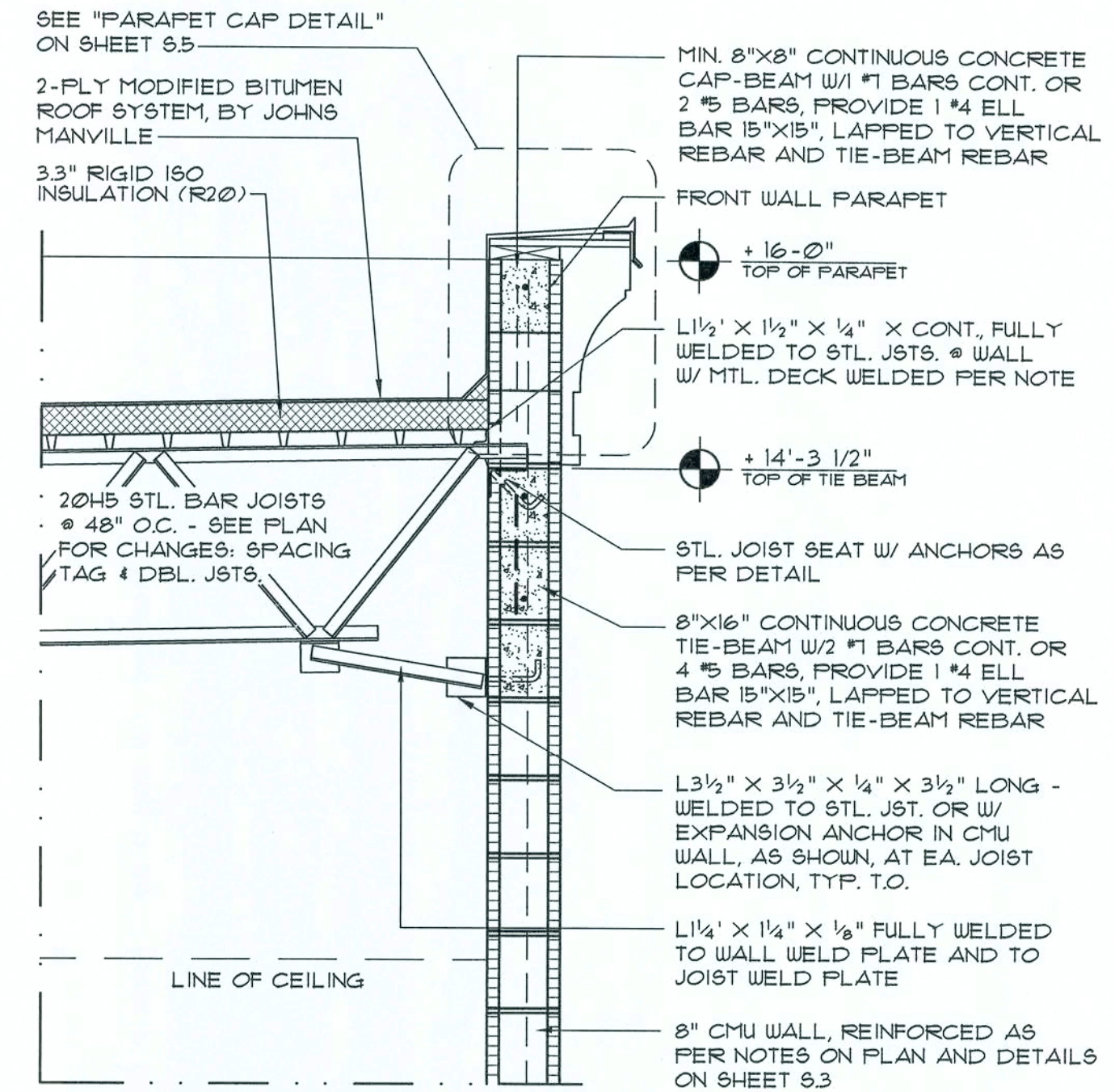
SECTION @ Side Wall C

SCALE: 3/4" = 1'-0"



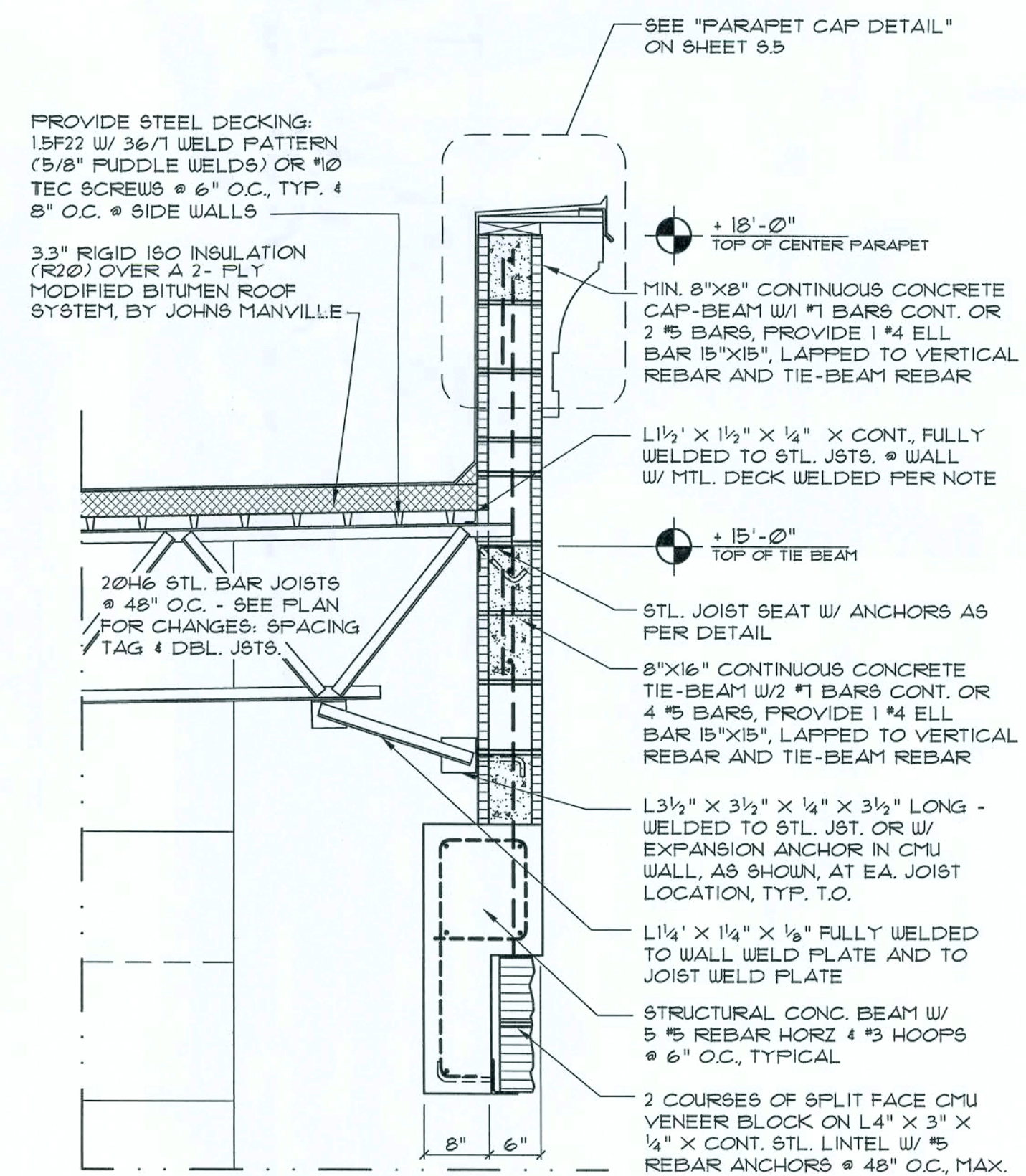
SECTION @ Canopy E

SCALE: 3/4" = 1'-0"



SECTION @ Fnt. Wall D

SCALE: 3/4" = 1'-0"



SEC. @ Center Canopy F

SCALE: 3/4" = 1'-0"

REVISION:

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DRAWN:

ms

New Office Facilities for:
DR. D. DUARTE M.D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
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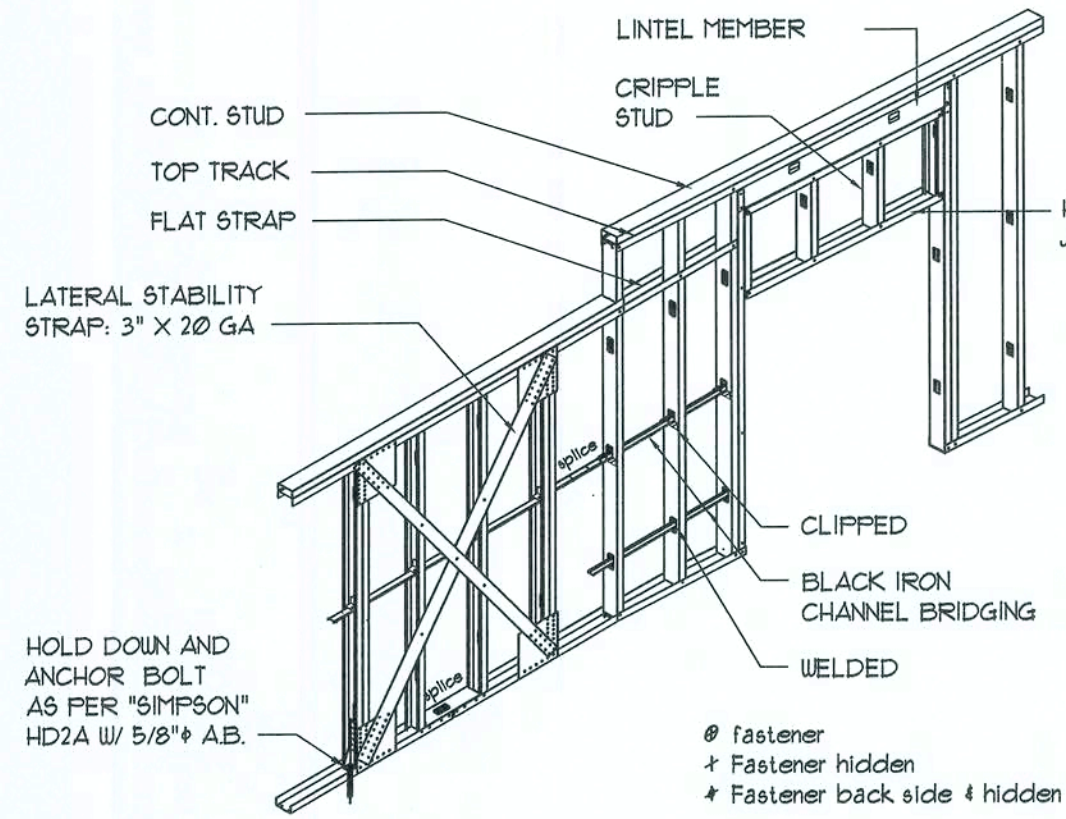
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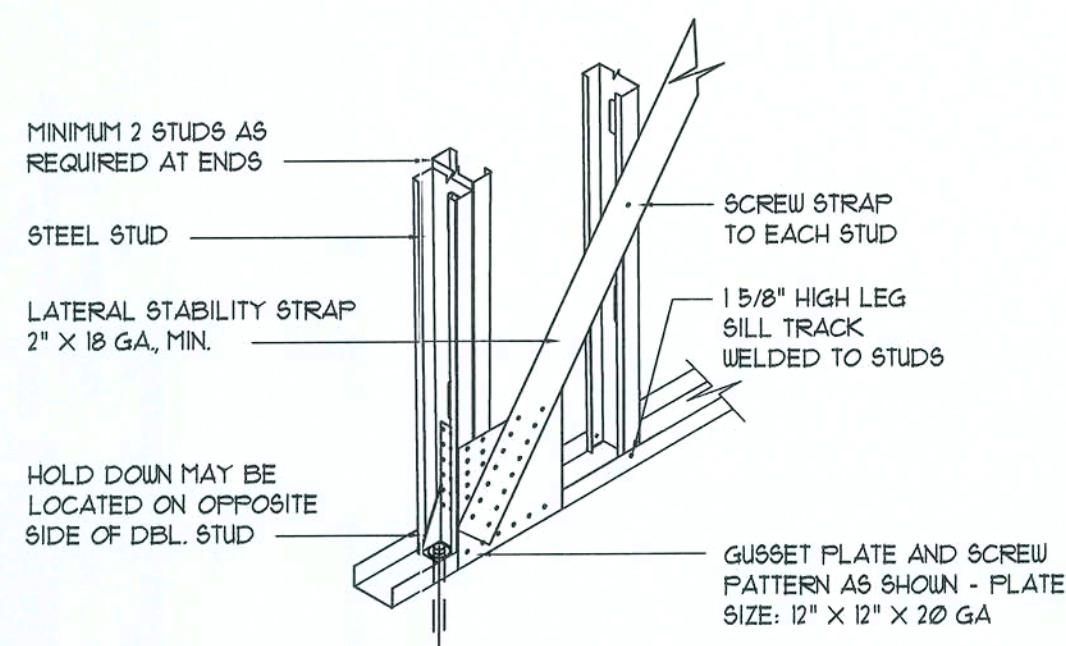
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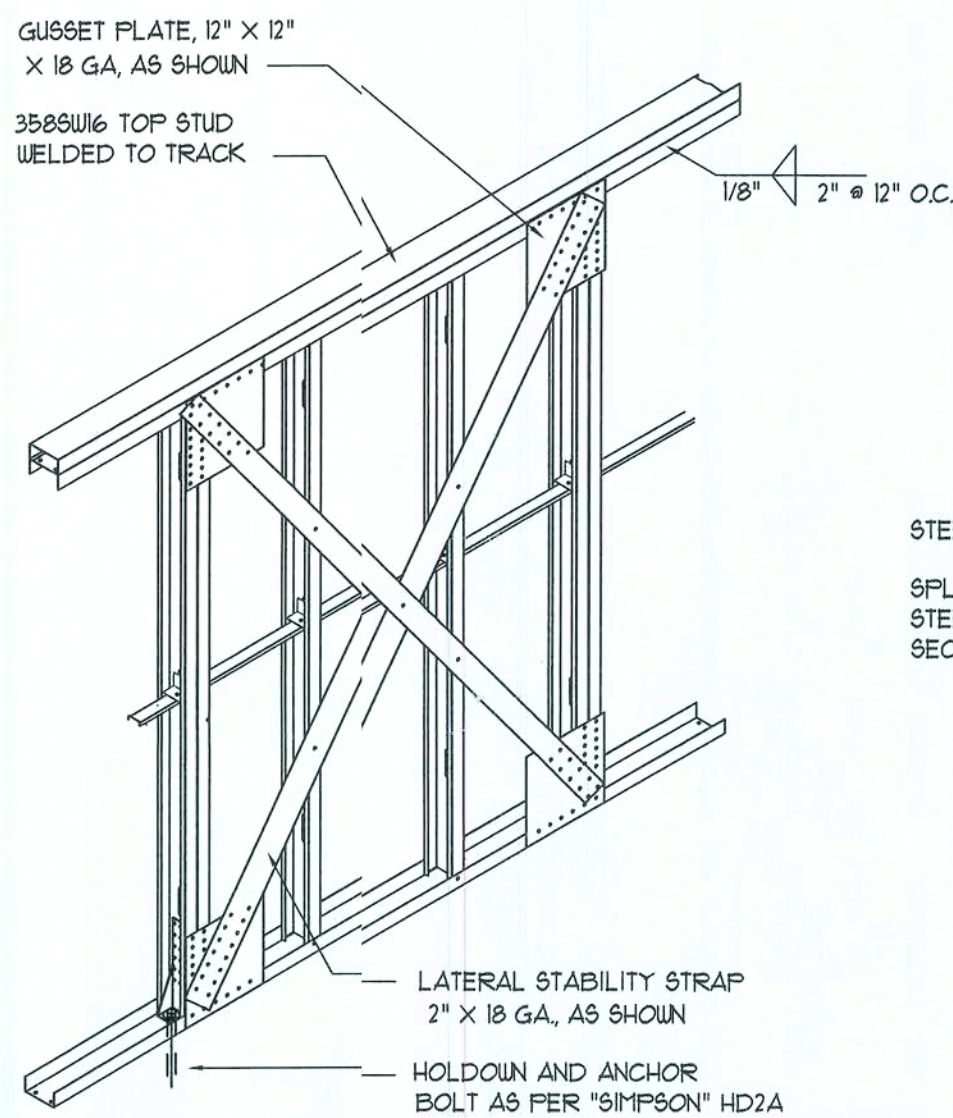
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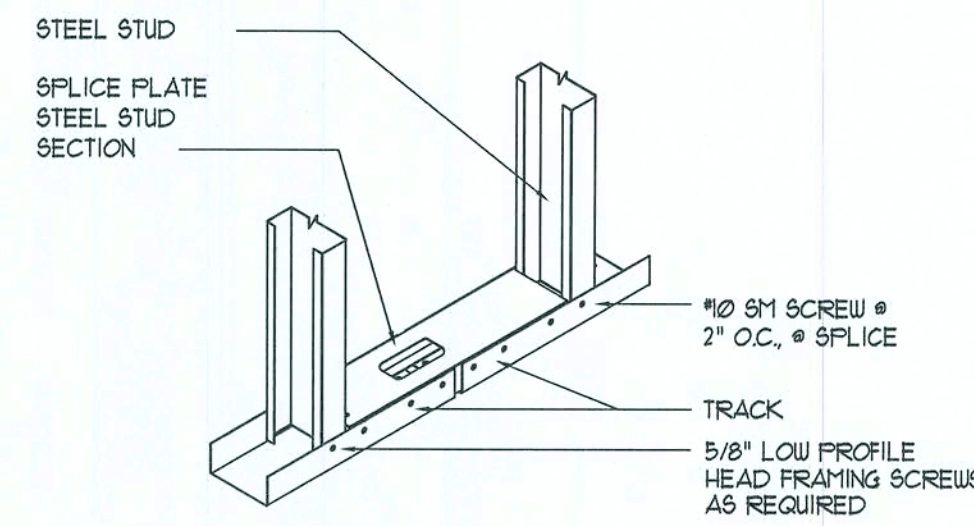
STRUCTURAL WALL ASSEMBLY



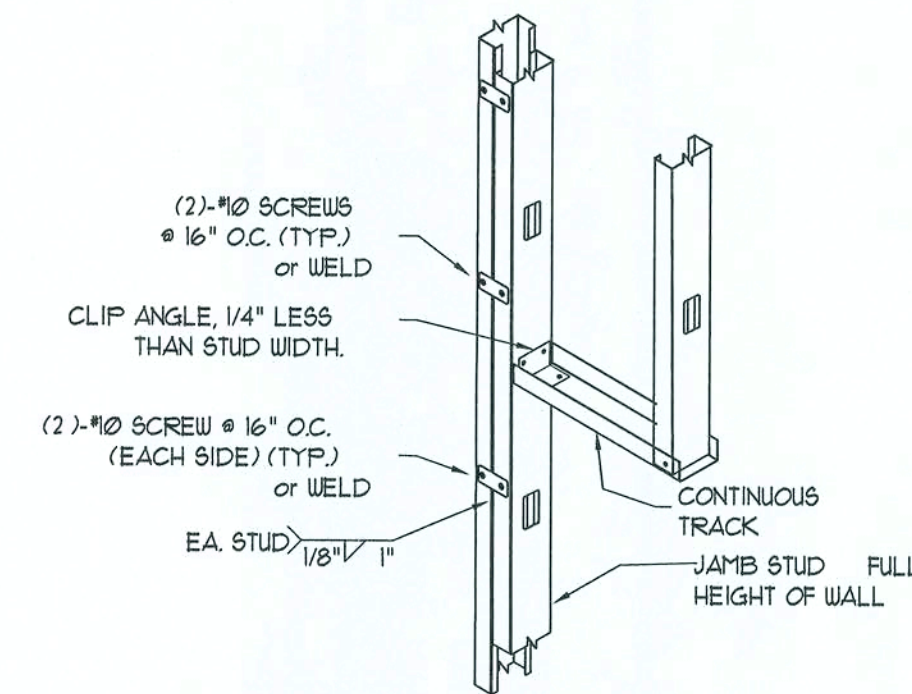
SHEAR WALL HOLD DOWN AT CROSS BRACE



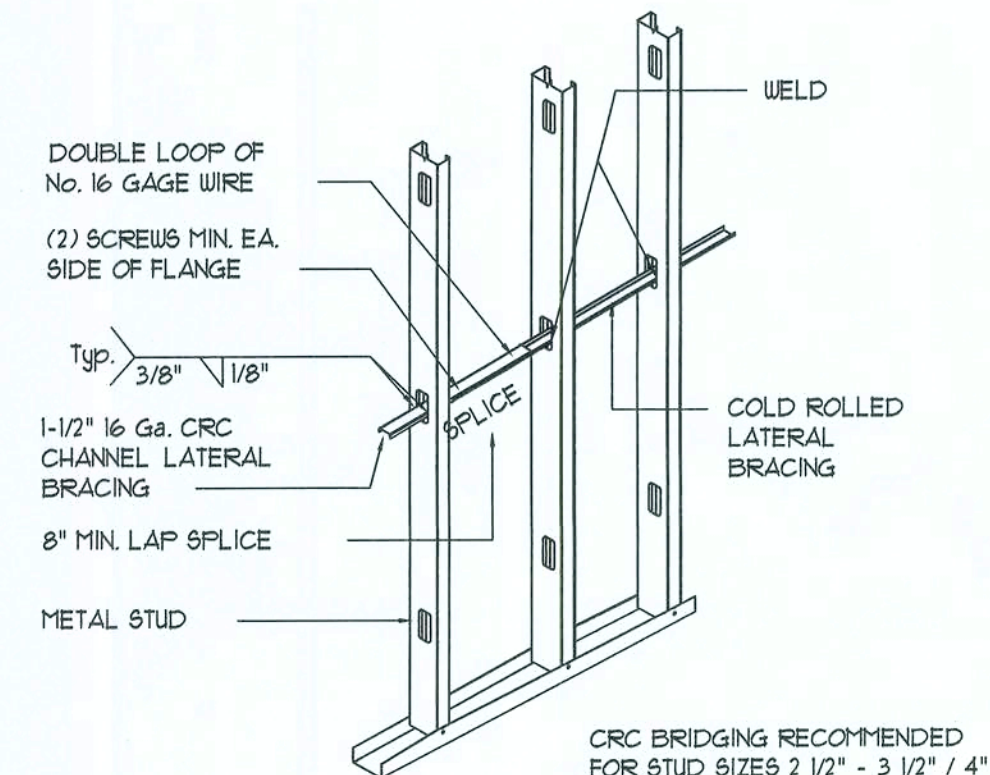
SHEAR WALL CROSS BRACE



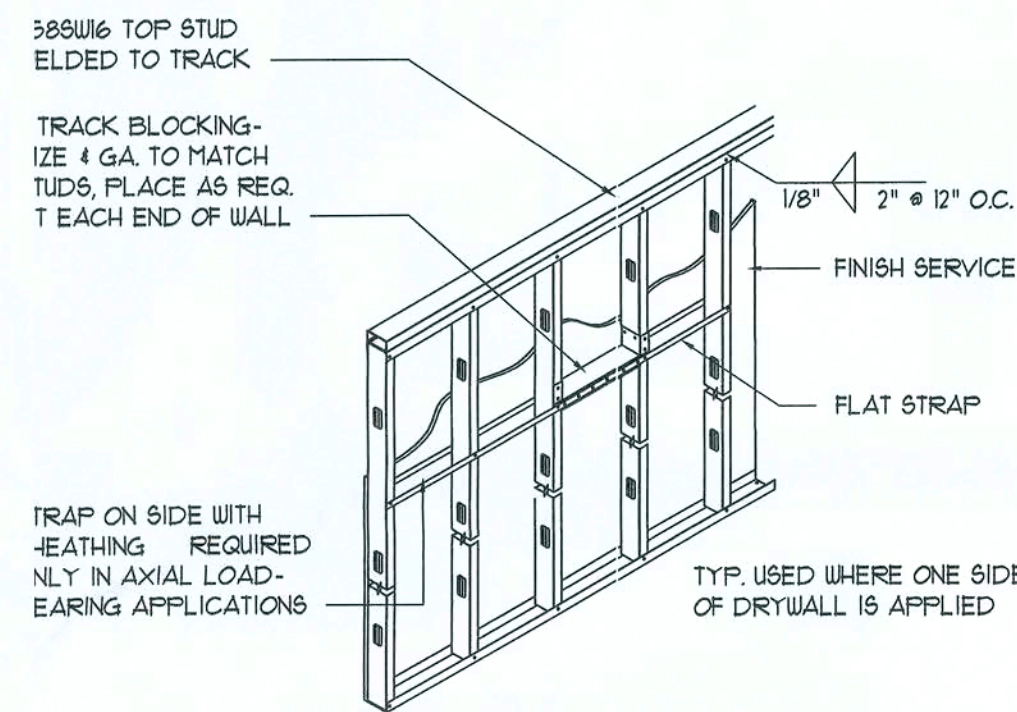
TRACK SPLICE



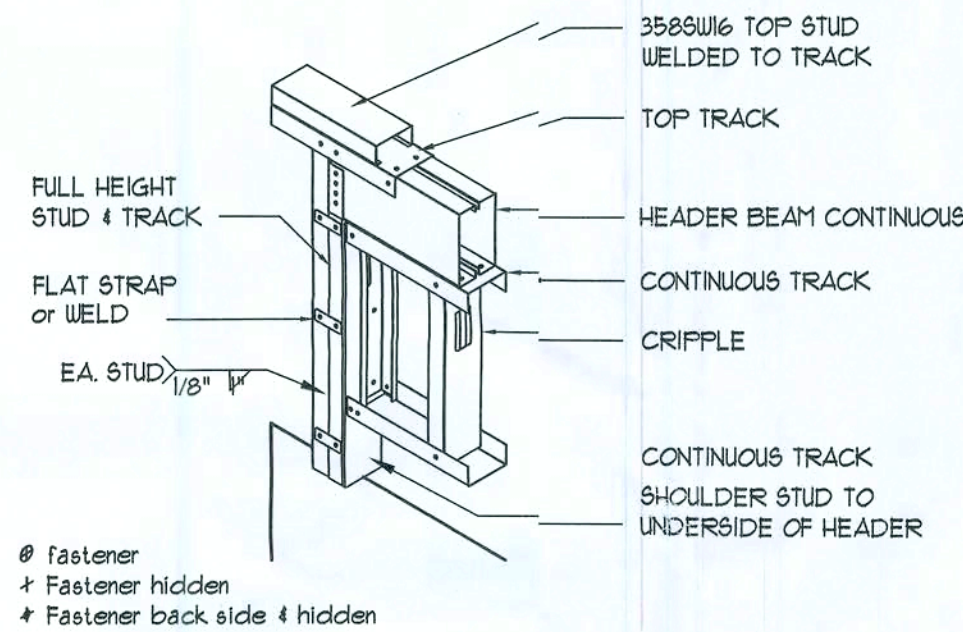
JAMB STUD DETAIL



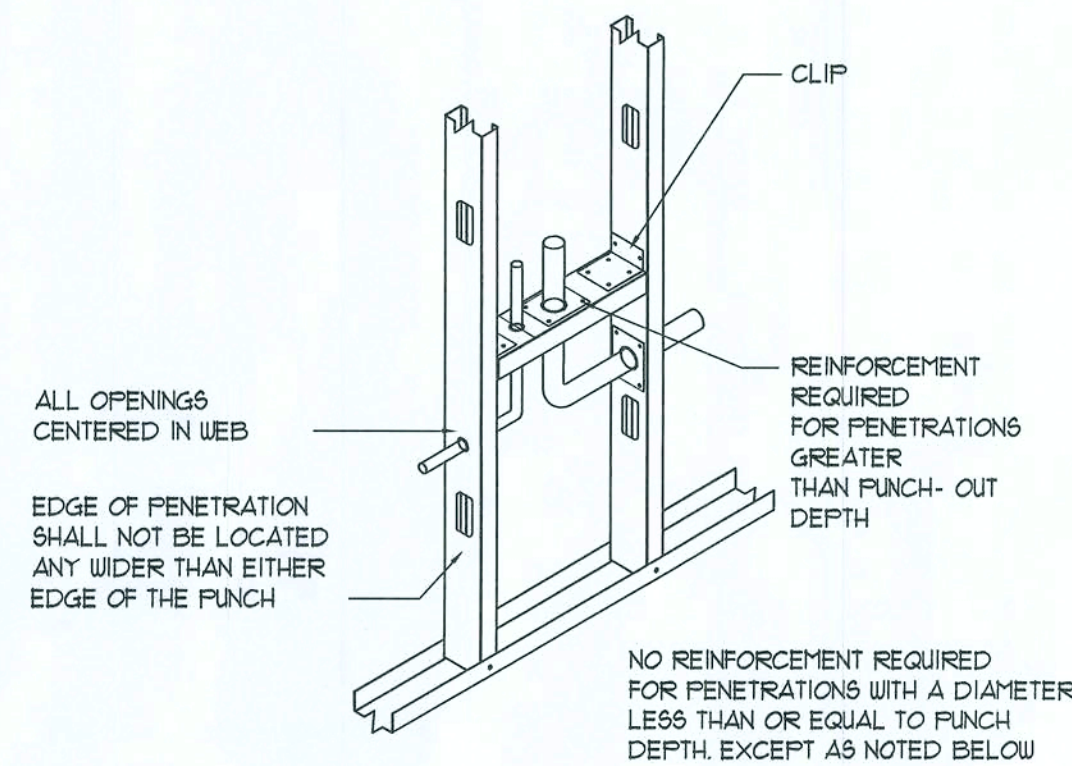
WELDED CRC BRIDGING



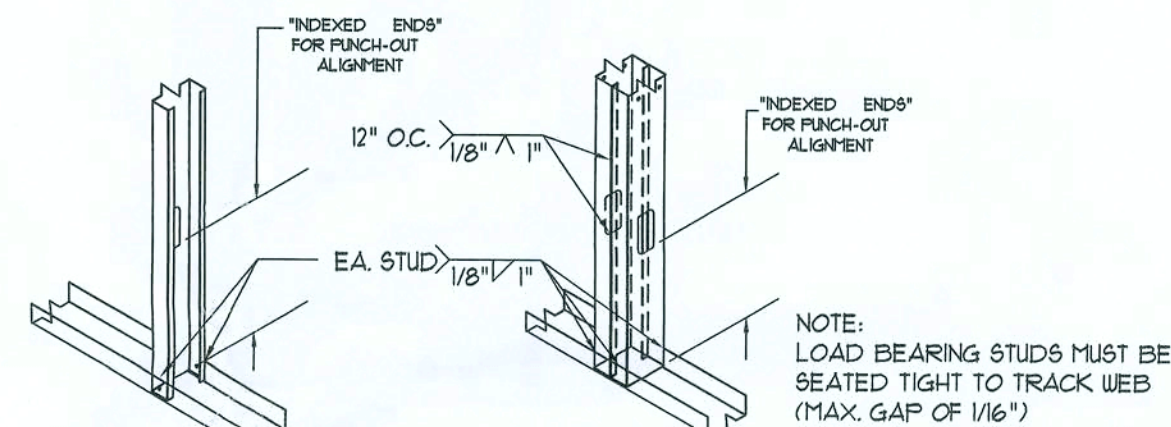
LAT STRAP LATERAL BRACING



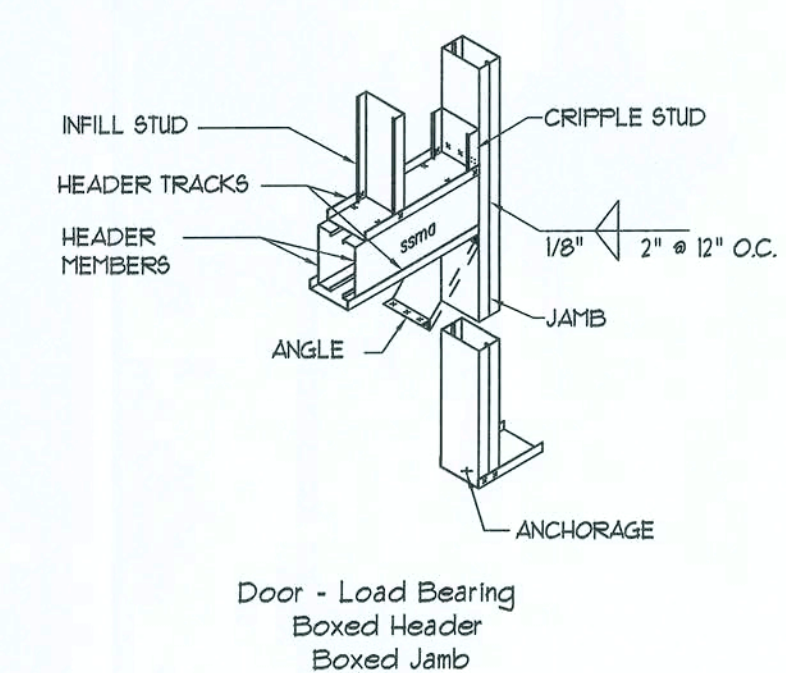
HEADER TO JAMB STUD DETAIL



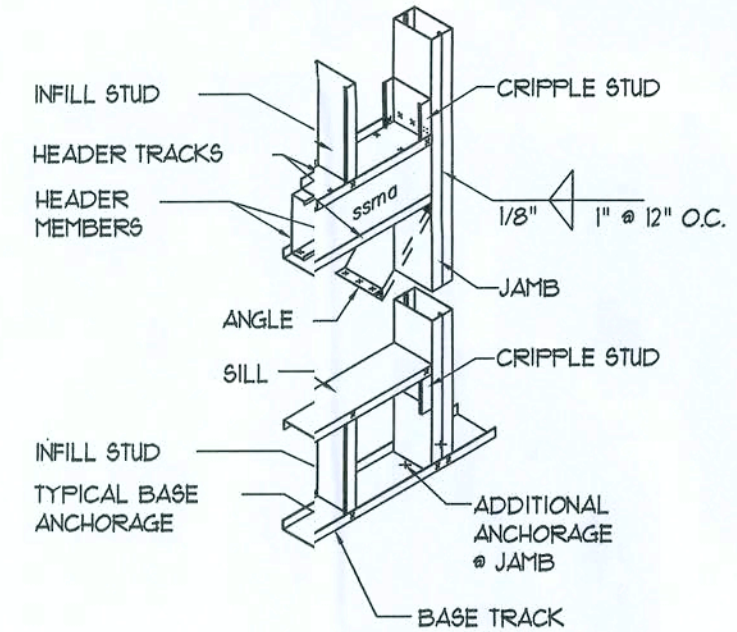
STUD WEB PENETRATIONS



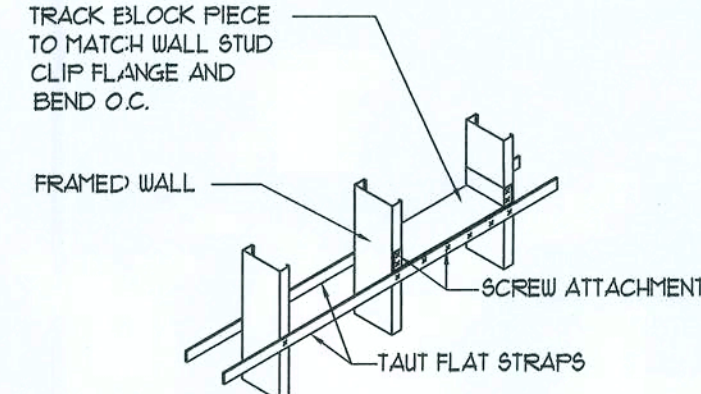
TYPICAL STUD TO TRACK CONNECTIONS



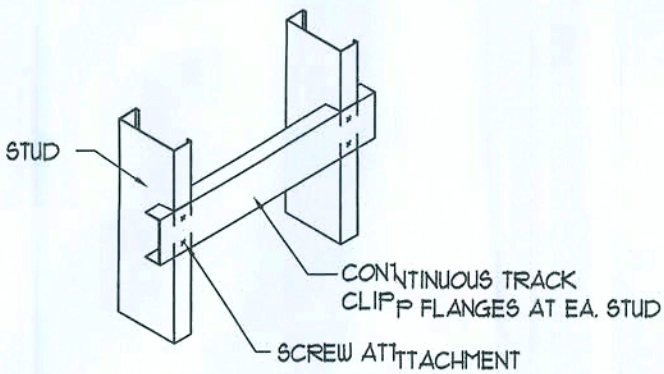
DOOR - LOAD BEARING
BOXED HEADER - BOXED JAMB



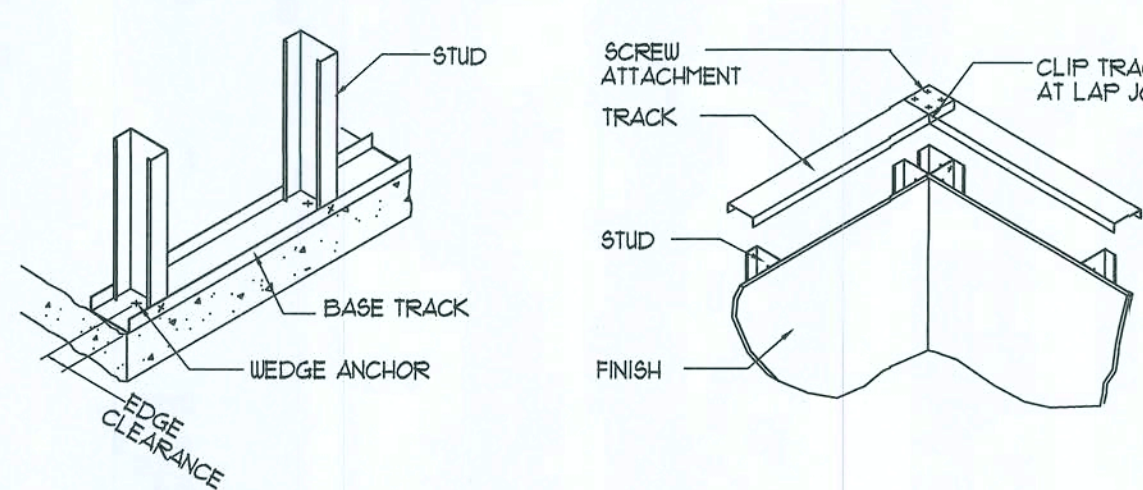
WINDOW - LOAD BEARING
BOXED HEADER - BOXED JAMB



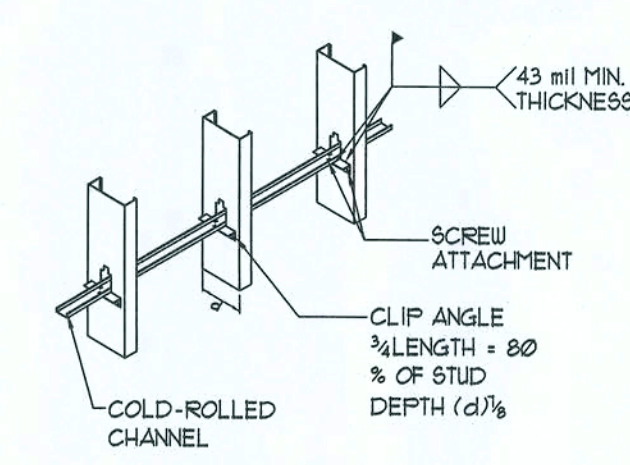
BRIDGING
DOUBLE FLAT STRAP W/BLOCKING



BACKING - CLIPPED TRACK - HVLY. LOADED
(GRAB BARS, HANDRAILS, WALL HUNG CABINETS)



BOTTOM TRACK WEDGE ANCHOR



CORNER TRACK LAP CONNECTION

BRIDGING
COLD-ROLLED CHANNEL W/CLIP ANGLE

Metal Stud DETAILS

SCALE: NONE

NOTES: COLD-FORMED STEEL FRAMING

- STEEL FRAMING SHALL CONFORM TO THE A.I.S.I. "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
- COLD-FORMED STEEL FRAMING SYSTEM, INCLUDING STUDS, TRUSSES, CONNECTIONS, AND ALL ACCESSORIES, SHALL BE DESIGNED BY A DESIGNATED PREPARATION OF SHOP DRAWINGS.
- WELDED CONNECTIONS SHALL CONFORM TO "CODE FOR WELDING IN BUILDING CONSTRUCTION, AWS D1.3".
- ASTM A568 STANDARD SPECIFICATION FOR GENERAL REQUIREMENTS DR STEEL, CARBON AND HIGH STRENGTH LOW ALLOY HOT ROLLED SHEET AND COLD ROLLED SHEET.
- ALL STEEL FRAMING SHALL BE INSTALLED BY PERSONNEL EXPERIENCED IN LIGHT GAUGE STEEL FRAMING INSTALLATION.
- WHERE STEEL FRAMING MEMBERS ARE COMPONENTS OF ASSEMBLIES INDICATED FOR A FIRE RESISTANCE RATING, INCLUDING THOSE REQUIRED FOR COMPLIANCE WITH GOVERNING REGULATIONS, PROVIDE MEMBERS WHICH HAVE BEEN APPROVED BY GOVERNING AUTHORITIES HAVING JURISDICTION.
- PROTECT LIGHT GAUGE STEEL FRAMING MEMBERS FROM RUSTING AND DAMAGE. DELIVER TO PROJECT SITE IN BUNDLES, FULLY IDENTIFIED WITH NAME, BRAND, TYPE AND GRADE. STORE OFF GROUND IN A DRY VENTILATED SPACE OR PROTECT WITH SUITABLE WATERPROOF COVERINGS.
- WITH EACH TYPE OF STEEL FRAMING REQUIRED, PROVIDE MANUFACTURER'S STANDARD STEEL RUNNERS (TRACKS), BLOCKING, LINTELS, CLIP ANGLES, BRACING, REINFORCEMENTS, FASTENERS, AND ACCESSORIES AS RECOMMENDED BY MANUFACTURER FOR APPLICATION INDICATED, AS NEEDED TO PROVIDE A COMPLETE STEEL FRAMING SYSTEM.
- FABRICATE METAL FRAMING COMPONENTS OF STRUCTURAL QUALITY SHEET STEEL WITH A MINIMUM YIELD POINT OF 50,000 PSI FOR STUDS, AND 33,000 PSI FOR RUNNERS, ASTM A653.
- PROVIDE GALVANIZED FINISH TO METAL FRAMING COMPONENTS COMPLYING WITH ASTM A525 WITH A G60 COATING.
- WHERE REQUIRED, TEMPORARY BRACING SHALL BE PROVIDED UNTIL ERECTION IS COMPLETED.
- RESISTANCE TO BENDING AND ROTATION ABOUT THE MINOR AXIS SHALL BE PROVIDED BY MECHANICAL LATERAL BRACING WHERE REQUIRED.
- FRAMING COMPONENTS MAY BE PREFABRICATED INTO PANELS PRIOR TO ERECTION. FABRICATE PANELS PLUMB, SQUARE, TRUE TO LINE AND BRACED AGAINST RACKING WITH JOINTS WELDED. PERFORM LIFTING OF PREFABRICATED PANELS IN A MANNER TO PREVENT DAMAGE OR DISTORTION.
- INSTALL METAL FRAMING SYSTEMS IN ACCORDANCE WITH REVIEWED SHOP DRAWINGS.
- INSTALL CONTINUOUS TRACKS SIZED TO MATCH STUD DEPTH. ALIGN TRACKS ACCURATELY TO LAYOUT AT BASE AND TOPS OF STUDS. SECURE TRACKS AS RECOMMENDED BY STUD MANUFACTURER FOR TYPE OF CONSTRUCTION INVOLVE, EXCEPT DO NOT EXCEED 24" O.C. SPACING FOR NAIL OR POWDER-DRIVEN FASTENERS, OR 16" O.C. FOR OTHER TYPES OF ATTACHMENT. PROVIDE FASTENERS AT CORNERS AND ENDS OF TRACKS.
- FRAME BOTH SIDES OF EXPANSION AND CONTROL JOINTS, AS SHOWN FOR THE WALL SYSTEM, WITH SEPARATE STUDS AND DO NOT BRIDGE THE JOINT WITH COMPONENTS OF THE STUD SYSTEM.
- WHERE REQUIRED, TEMPORARY BRACING SHALL BE PROVIDED UNTIL ERECTION IS COMPLETED.
- RESISTANCE TO BENDING AND ROTATION ABOUT THE MINOR AXIS SHALL BE PROVIDED BY MECHANICAL LATERAL BRACING WHERE REQUIRED.
- ATTACHMENTS OF SIMILAR COMPONENTS SHALL BE DONE BY WELDING, SCREW ATTACHMENT, OR BOLTING. WIRE TYING OF FRAMING COMPONENTS SHALL NOT BE PERMITTED.
- WELDING OF MEMBERS LIGHTER THAN 18 GAUGE SHALL NOT BE PERMITTED.
- SPLICES SHALL NOT BE PERMITTED.

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REVISION:

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New Office Facilities for:
D. DARTER M.D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
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03DEC2008

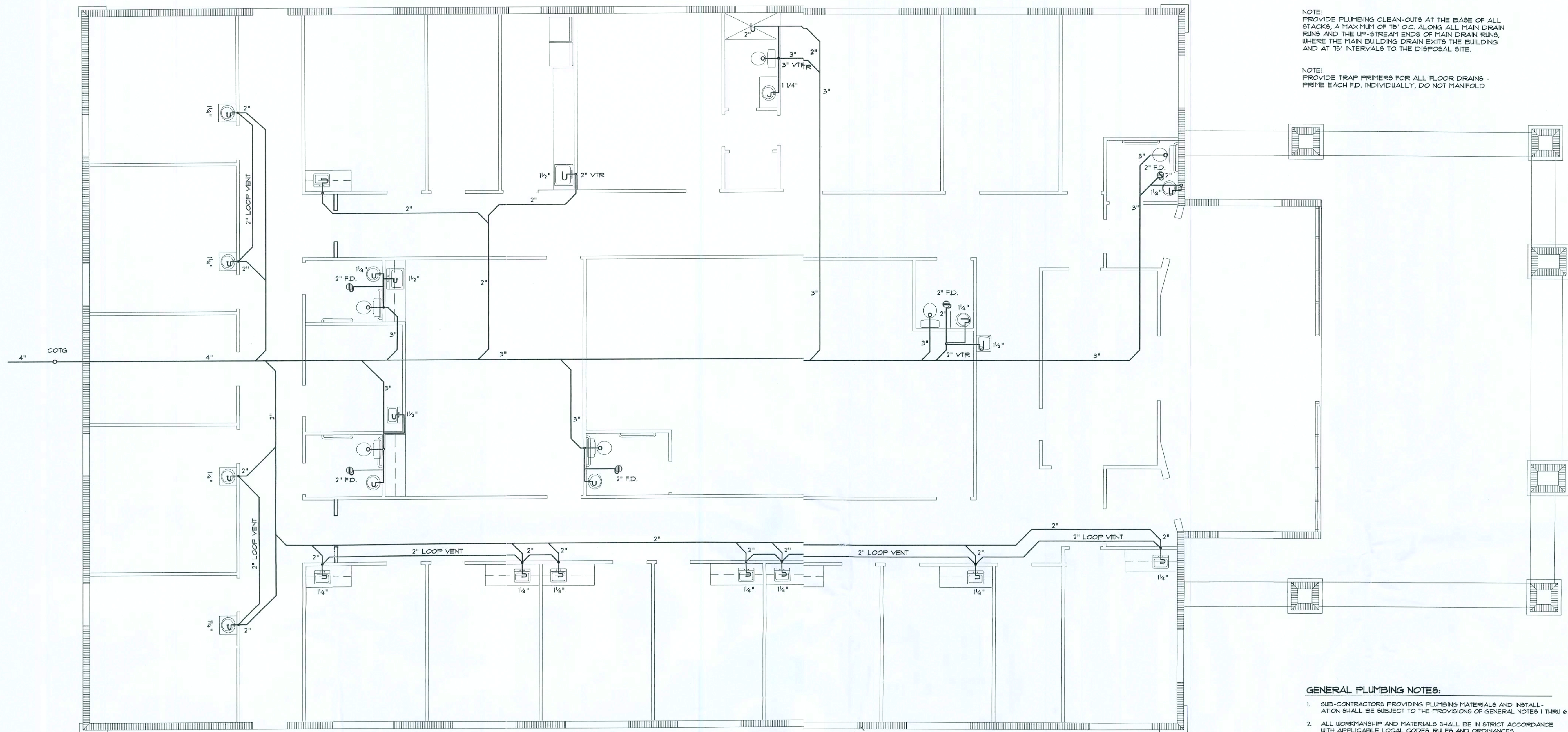
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NOTE:
PROVIDE PLUMBING CLEAN-OUTS AT THE BASE OF ALL STACKS, A MAXIMUM OF 15' O.C. ALONG ALL MAIN DRAIN RUNS AND THE UP-STREAM ENDS OF MAIN DRAIN RUNS, WHERE THE MAIN BUILDING DRAIN EXITS THE BUILDING AND AT 15' INTERVALS TO THE DISPOSAL SITE.

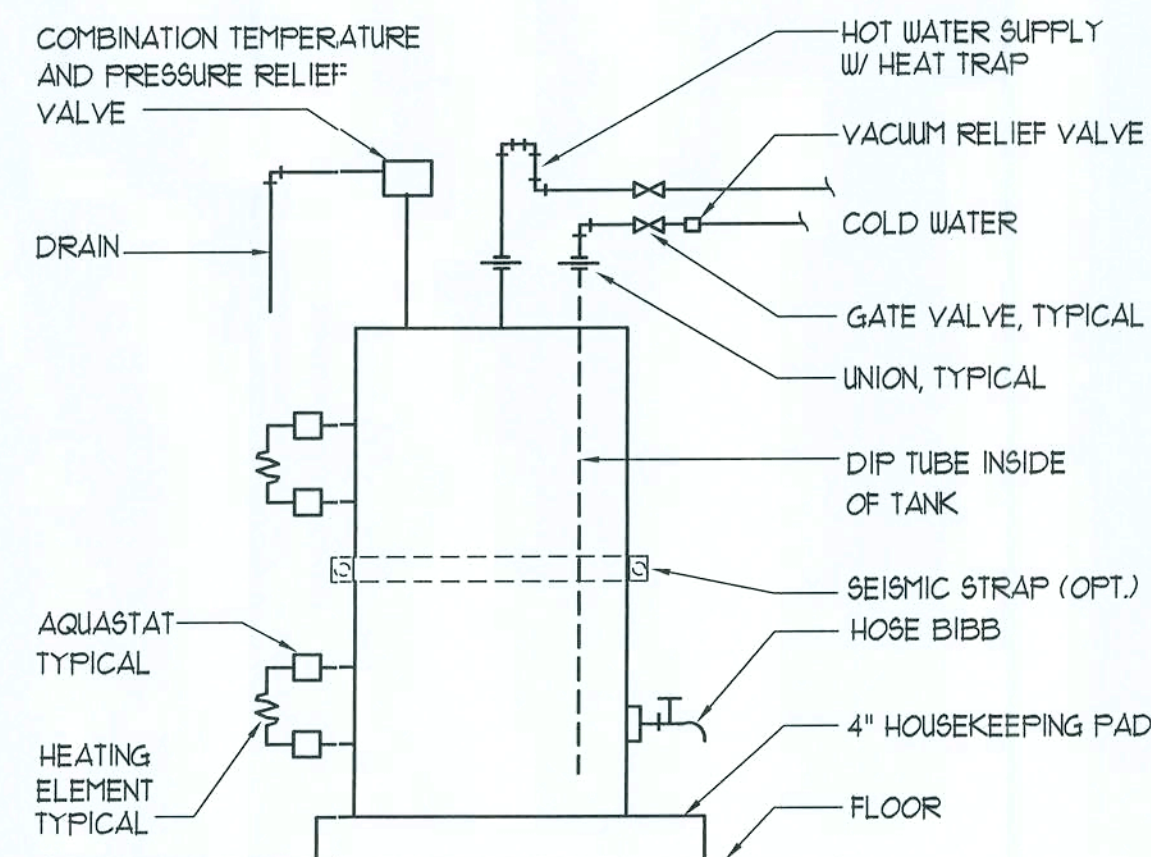
NOTE:
PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS - PRIME EACH F.D. INDIVIDUALLY, DO NOT MANFOLD

Plumbing PLAN

SCALE: NONE

GENERAL SEPTIC & DRAINFIELD NOTES:

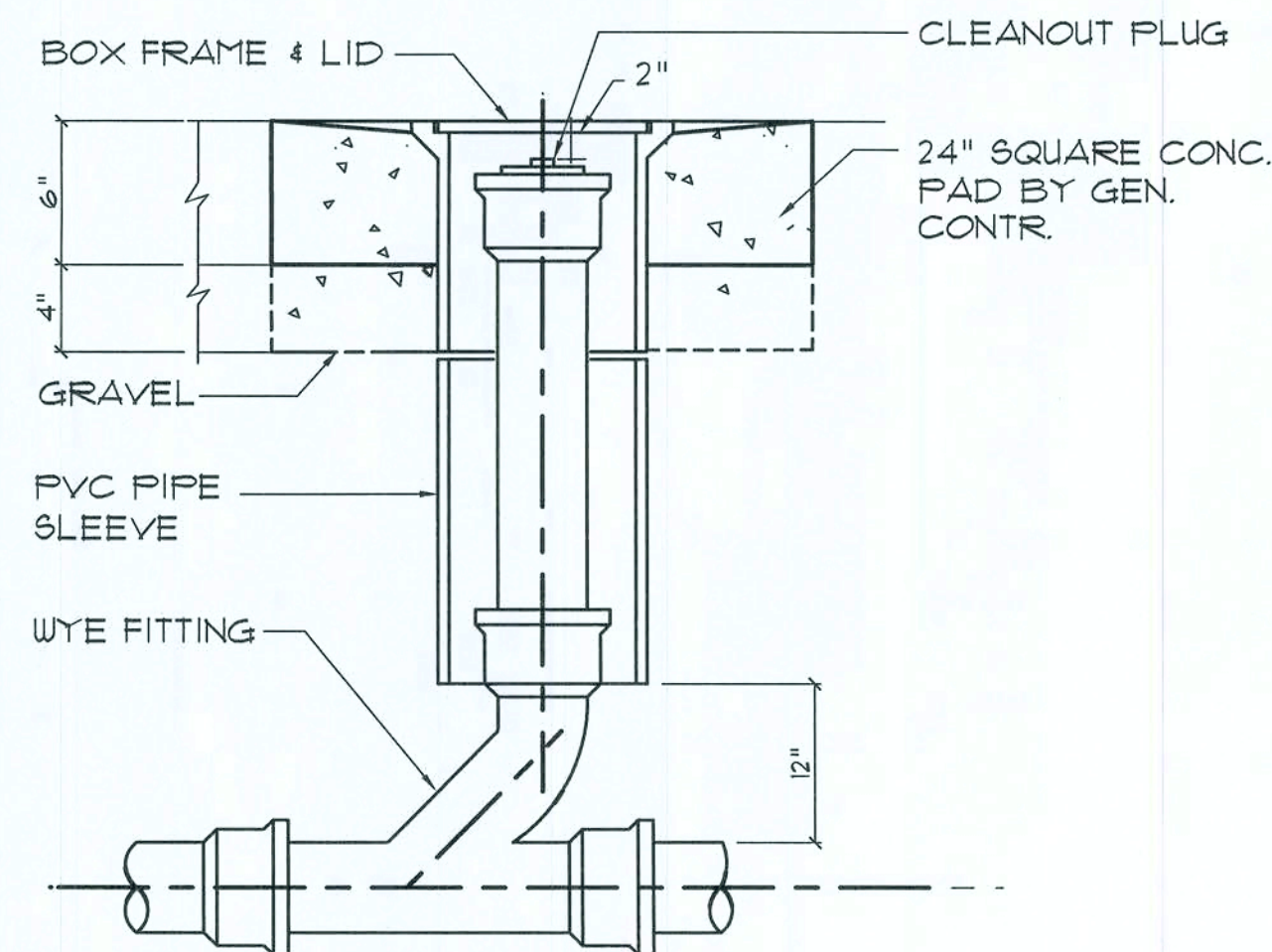
- SUB-CONTRACTORS PROVIDING SEPTIC TANKS AND DRAINFIELDS SHALL BE SUBJECT TO THE PROVISIONS OF GENERAL NOTES 1 THRU 6, THRU 6, THIS SHEET.
- LOCATION OF POTABLE WATER WELLS SHALL BE DETERMINED BY THE OWNER IN CONSULTATION WITH THE WELL DRILLING CONTRACTOR. WELLS SHALL NOT BE LOCATED CLOSER THAN 15'-0" TO ANY PROPOSED OR EXISTING SEPTIC TANK OR DRAINFIELD, EITHER ON SUBJECT PROPERTY OR ADJACENT/ADJOINING PROPERTY.
- POTABLE WATER WELLS SHALL BE A MINIMUM 4" WITH BLACK IRON CASING TO A DEPTH OF 80'-0". PUMPS SHALL BE OF THE SUBVERSIBLE TYPE, THREE WIRE SYSTEM. MINIMUM HORSEPOWER SHALL BE 1/2 H.P. OR AS DIRECTED BY THE OWNER. MOTOR STARTER SHALL BE ENCLOSED IN A WEATHERPROOF HOUSING, MOUNTED ON A 1/2" X 4" POST AT THE WELL HEAD.
- WELL HEAD SHALL PROJECT 12" ABOVE GRADE.
- ALL REQUIRED COMPONENTS FOR A COMPLETE OPERATING SYSTEM SHALL BE PROVIDED, INCLUDING ANTI-FREEZE BLEEDER FITTING, CHECKVALVE, AIR BLEEDERS, SHUTOFF VALVE, HOSE BIBB, PRESSURE REGULATOR/CONTACTOR, UNIONS AND PRESSURE GAUGE.
- PRESSURE TANK SHALL BE GALVANIZED 82 GALLON CAPACITY, UNLESS DIRECTED OTHERWISE BY THE OWNER.
- SEPTIC TANK LOCATION & DRAINFIELD INVERT SHALL BE DETERMINED BY THE LOCAL HEALTH DEPARTMENT, IN CONSULTATION W/ THE OWNER.
- SEPTIC TANKS SHALL BE OF A SIZE & CONSTRUCTION AS DETERMINED BY THE LOCAL HEALTH DEPARTMENT. TANK MATL. SHALL BE POURED CONCRETE OR FIBERGLASS AS ALLOWED BY THE SEPTIC TANK PERMIT.
- SEPTIC DRAINFIELDS SHALL BE CONSTRUCTED TO THE STANDARDS OF THE LOCAL HEALTH DEPARTMENT. DRAINFIELD PIPING SHALL BE CLAY TILE OR P.V.C. OR POLY. AS ALLOWED BY THE SEPTIC TANK PERMIT. DRAINFIELD BEDS SHALL BE 3/4" WASHED ROCK, INSTALLED THICKNESS SHALL BE AS PER SEPTIC TANK PERMIT.
- SAND FILTER BEADS, MOUND SYSTEMS, DOSING TANKS, GREASE TRAPS, DISTRIBUTION BOXES, GRINDER PUMPS, SUMP PUMPS AND OTHER SUCH RELATED ITEMS (IF REQUIRED OR REQUESTED) SHALL BE AS PER THE DESIGN STANDARDS OF THE LOCAL HEALTH DEPARTMENT.



Electric Water Heater DETAIL

SCALE: NONE

A



Outdoor Cleanout DETAIL

N.T.S.

B

GENERAL PLUMBING NOTES:

- SUB-CONTRACTORS PROVIDING PLUMBING MATERIALS AND INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF GENERAL NOTES 1 THRU 6.
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
- ALL MATERIALS SHALL BE NEW.
- ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL.
- ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THE PLUMBING SUB-CONTRACTOR'S RESPONSIBILITIES.
- PLUMBING FLOOR PLANS AND RISER DIAGRAMS (IF INCLUDED) ARE DIAGRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION.
- WATER PIPING SHALL BE C.P.V.C., SCHEDULE 40 OR SCHEDULE 80.
- P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE, VENT, RAINWATER OR CONDENSATE PIPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING CODES & OFFICIALS. P.V.C. MAY NOT BE USED TO PENETRATE CHIMNEYS OR FIRE RATED WALLS / CEILING.
- AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN, WASTE OR VENT PIPE AND FITTINGS, OR P.V.C.
- ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND WHERE PROVIDED, MARKED ACCESS PANELS.
- FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE AND APPROVED SHOCK ARRESTERS ON MAIN LINE OR RISERS.
- DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
- PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM NEAREST PLUMBING FIXTURE, DO NOT MANFOLD.
- PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES.
- PROVIDE COMBINATION COVERPLATE / CLEANOUT PLUG FOR ALL WALL CLEANOUTS, FINISH AS DIRECTED BY THE OWNER.
- FIXTURES, HARDWARE, EQUIPMENT, COLORS AND FINISHES SHALL BE AS SELECTED BY THE OWNER.

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REVISION:

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New Office Facilities for:
DR. D. DUARTE M.D.
LAKE CITY, COLUMBIA COUNTY, FLORIDA
PLUMBING PLAN

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H.V.A.C. Equipment SCHEDULE

SCALE: NONE

EQUIPMENT SPECIFICATION: EQUAL EQUIPMENT BY LISTED MFG'RS IS APPROVED									
SYS.	MK	MOD	TOTAL COOL	HEATING	EER/SEER	KW	CFM	FRESH AIR/CFM	VOLTAGE
RTU-1 5-TON	AMERICAN STANDARD PACK SYS.	4WCZ6060A1000A - 1#	58,000 BTU	HIGH = 8,000 BTU LOW = 5,200 BTU	16.0 9EER	5.35	1,850	240	208V - 1#
RTU-2 5-TON	AMERICAN STANDARD PACK SYS.	4WCZ6060A1000A - 1#	58,000 BTU	HIGH = 8,000 BTU LOW = 5,200 BTU	16.0 9EER	5.35	1,850	350	208V - 1#
RTU-3 5-TON	AMERICAN STANDARD PACK SYS.	4WCZ6060A1000A - 1#	58,000 BTU	HIGH = 8,000 BTU LOW = 5,200 BTU	16.0 9EER	5.35	1,850	250	208V - 1#
RTU-4 3-TON	AMERICAN STANDARD PACK SYS.	4WCZ6036A1000A - 1#	35,000	HIGH = 7,200 BTU LOW = 3,900 BTU	16.0 9EER	3.18	1,200	220	208V - 1#

LEGEND

- SUPPLY AIR DUCT
- RETURN AIR DUCT
- EXHAUST AIR DUCT
- 180 CFM

SUPPLY AIR DIFFUSER
- RETURN AIR DIFFUSER
- FLEX-DUCT
- BUTTERFLY DAMPER
- 1200 CFM

EXHAUST FAN
- EH

EXHAUST HOOD
- EF

EXHAUST FAN 800 CFM
- SD

SMOKE DETECTOR
- RS

REMOTE SENSOR
- T

THERMOSTAT

DESIGN REQUIREMENTS

SYSTEM DESIGN:

1. HVAC DESIGN TO BE PROVIDED BY HVAC CONTRACTOR AND APPROVED AND ACCEPTED BY OWNER.

NOTES:

1. IT IS THE INTENT OF THESE SPECIFICATIONS TO DEFINE THE WORK AND MATERIALS TYPICALLY INSTALLED BY A MECHANICAL CONTRACTOR HOWEVER, IT IS NOT INTENDED TO DEFINE A SUBCONTRACT BETWEEN THE MECHANICAL CONTRACTOR AND THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE ENTIRE PROJECT AND ANY QUESTIONS REGARDING SCOPE OF WORK SHALL BE DIRECTED TO THE GENERAL CONTRACTOR.
2. WORK SHALL INCLUDE ALL LABOR, MATERIALS, FIXTURES, EQUIPMENT, TOOLS AND SERVICE NECESSARY FOR INSTALLATION, TESTING AND ADJUSTING OF ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED IN COMPLIANCE WITH DRAWINGS AND SPECIFICATIONS.
3. DRAWINGS AND SPECIFICATIONS SHALL BE UNDERSTOOD TO COVER, ACCORDING TO THEIR INTENT AND MEANING, COMPLETE MECHANICAL SYSTEMS.
4. ALL WORK SHALL BE PERFORMED OR INSTALLED IN STRICT ACCORDANCE WITH "STANDARD MECHANICAL CODES" AND APPLICABLE RULES, REGULATIONS AND CODES OF LOCAL STATE AND FEDERAL GOVERNMENTS HAVING JURISDICTION.
5. SHOP DRAWINGS AND PRODUCT DATA SHALL BE SUBMITTED ON ALL EQUIPMENT, FIXTURES, ETC.
6. THE CONTRACTOR SHALL BALANCE AND ADJUST EACH AIR DISTRIBUTION SYSTEM SHOWN ON THE DRAWINGS, IN ACCORDANCE WITH "SMACNA" REGULATIONS.

EQUIPMENT REQUIREMENTS

SYSTEM DISCRPTION:

H.V.A.C. SYSTEMS RTU-1 THRU RTU-4. SHALL BE PACKAGED HEAT PUMP CONVERTIBLE UNITS

NOTE: ELECTRICAL REQUIREMENTS, WIRING, FUSES, STARTERS AND CONTROLS SHALL BE AS REQUIRED BY THE MANUFACTURER FOR A COMPLETE & OPERATING SYSTEM. ACCESSORY ITEMS, IE: DRIERS, RECEIVERS, MOUNTING EQUIPMENT AND THE LIKE SHALL BE PART OF THE SYSTEM AS REQUIRED.

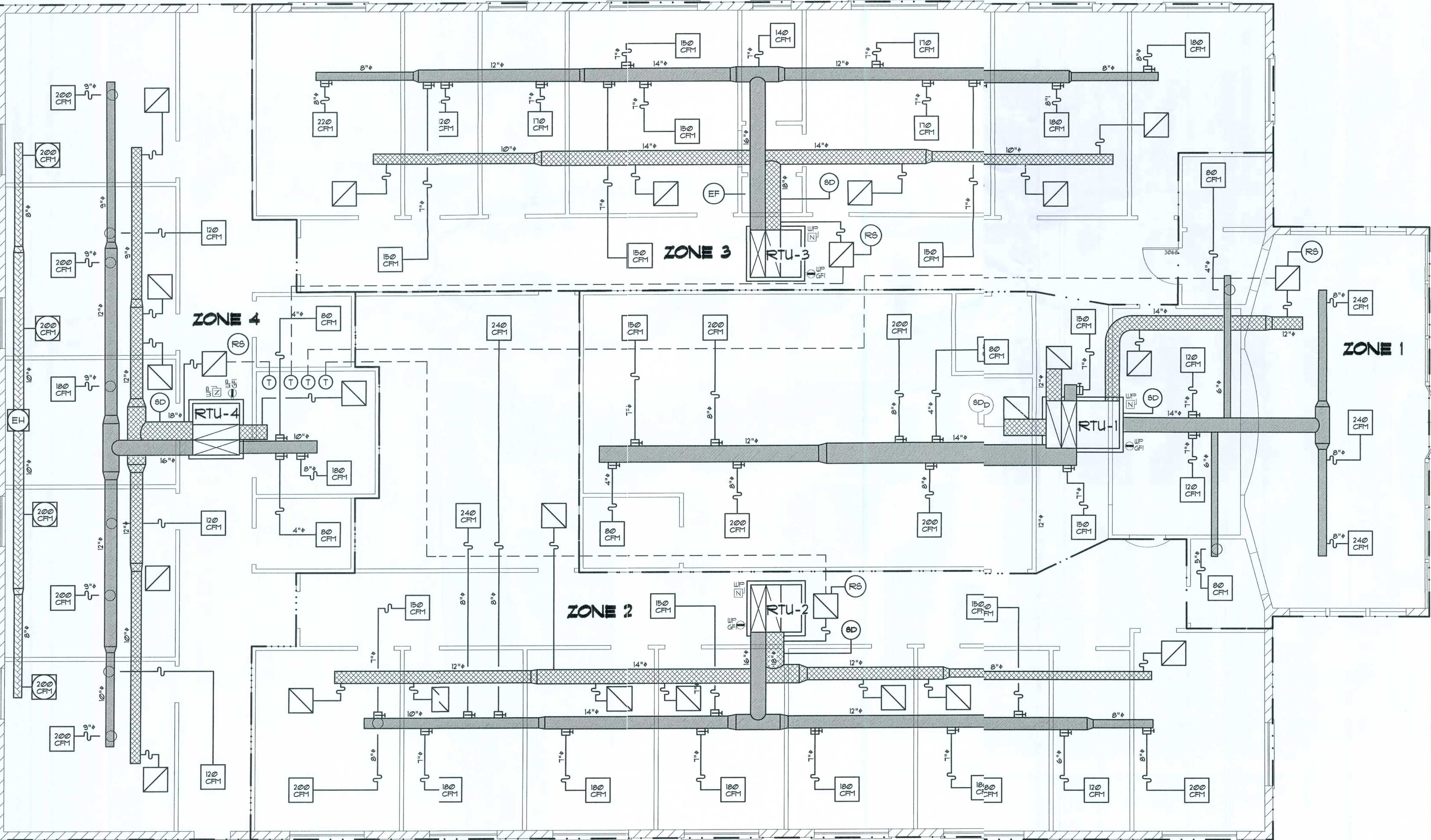
NOTE: ALL ELECTRIC MOTORS ARE 240V 1#

DUCTWORK

1. DUCTWORK SHALL BE GALVANIZED SHEET METAL W/ MIN. 2" DUCT WRAP MIN. R6 INSULATION VALUE. ATTIC AREAS, FOR ALL MAIN TRUNK LINES W/ FOIL FACED FLEX DUCT FOR ALL BRANCH DROPS.
2. ALL TURNING VANES, EXTRACTORS AND DAMPERS SHALL BE INCLUDED AND SHALL BE FABRICATED FROM GALV. SHEET METAL.
3. ALL FLENUMS SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE W/ SMACNA STANDARDS
4. EXIT ACCESS CORIDORS SHALL NOT SERVE AS SUPPLY, RETURN, EXHAUST, RELIEF OR VENTILATION AIR DUCTS. PER FLORIDA BUILDING CODE - MECHANICAL SECTION 6012

GENERAL H.V.A.C. NOTES:

1. SUB-CONTRACTORS PROVIDING HVAC INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF GENERAL NOTES.
2. HVAC SUB-CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE & OPERATING HVAC SYSTEM.
3. HVAC SYSTEM SHALL BE AS DETAILED IN THE PLANS (IF INCLUDED), OR SHALL BE AS DIRECTED BY THE OWNER IN CONSULTATION WITH THE HVAC SUB-CONTRACTOR.
4. HVAC SUB-CONTRACTOR SHALL FURNISH SHOP DRUGS FOR DUCTWORK, CONDENSING UNIT & AIR HANDLER, EXHAUST FANS AND AIR DEVICES.
5. IT IS THE HVAC SUB-CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH NFPA-90A AND ALL APPLICABLE CODES.
6. FLEXIBLE DUCT SHALL BE "THERMAFLEX R-6" INSULATED DUCT.
7. ALL EXHAUST AND OUTSIDE AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHREA AND SMACNA STANDARDS.
8. ALL AIR DEVICES SHALL FOR WALL AND CEILING APPLICATIONS SHALL BE MANUFACTURED BY TITUS, METALAIR, NAILORHART, HART & COOLIE OR AS DIRECTED BY OWNER.
9. TESTING AND BALANCING OF THE SYSTEM SHALL BE PROVIDED BY THE HVAC CONTRACTOR.
10. HVAC SUB-CONTRACTOR SHALL SUPPLY ALL CONTRACTORS, RELAYS, AND THERMOSTATS. THE ELECTRICAL SUB-CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS & CONTROL WIRING. THERMOSTATS SHALL BE APPROVED BY THE EQUIPMENT MFG'R.
11. ALL DUCT SIZES INDICATED IN THE PLANS (IF INCLUDED) ARE NET INSIDE DIMENSIONS.
12. ALL EQUIPMENT SHALL BE FULLY WARRANTED FOR 1 YEAR AND THE COMPRESSORS SHALL BE WARRANTED 5 YEARS FROM DATE OF FINAL ACCEPTANCE, BY THE OWNER.
13. ALL WORK IN THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES SO AS TO AVOID CONFLICTS OR HINDERANCE TO COMPLETION OF THE JOB.
14. FILTERS SHALL BE DISPOSABLE TYPE AND HAVE INITIAL SHARE WEIGHT ARRESTANCE OF 10% AND A CLEAN PRESSURE DROP OF 0.15. PROVIDE 2 SETS, ONE DURING CONSTRUCTION AND ONE FOR USE AT FINAL ACCEPTANCE.
15. HVAC SUB-CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY OFFSETS, TRANSITIONS & BENDS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
16. IT IS THE RESPONSIBILITY OF THE HVAC SUB-CONTRACTOR TO CO-ORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH THE ELECTRICIAN, LIGHTS AND ARCHITECTURAL ELEMENTS.
17. COORDINATE W/ THE ELECTRICIAN TO ASSURE SUITABLE SIZES OF BREAKERS, SWITCHES AND WIRING.



HYAC PLAN

SCALE: 3/16" = 1'

REVISION:

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New Office Facilities for:
DR. D. DUARTE M.D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
MECHANICAL HVAC PLAN

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03DEC2008

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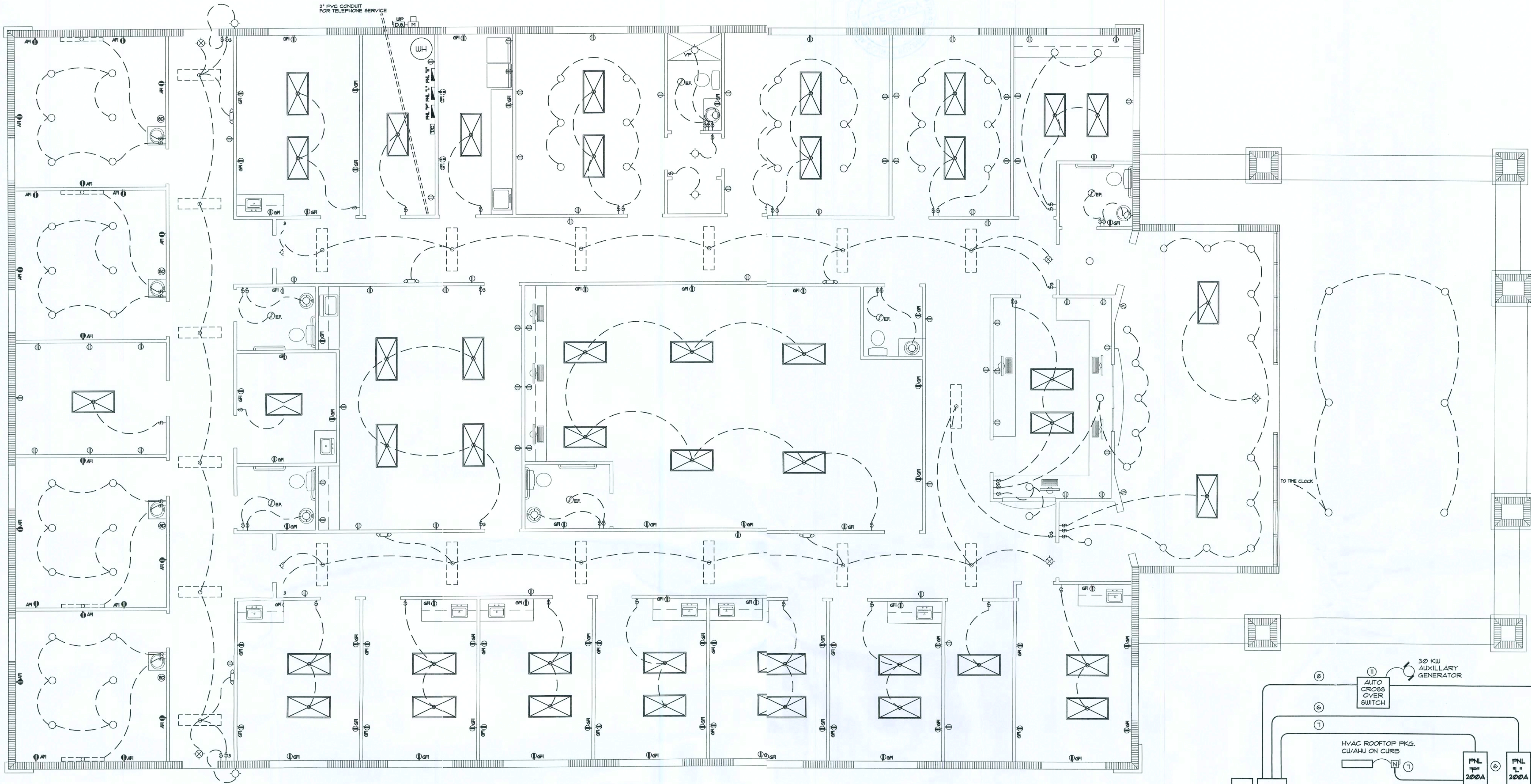
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NOTE:
EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC 100-12F.

NOTE:
ELECTRICAL SCHEDULES AND PANEL RISERS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

Electrical PLAN

SCALE: NONE

ELECTRICAL PLAN NOTES

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.

ALL RECEPTALS IN BEDROOMS SHALL BE ON ARC FAULT INTERRUPTER CIRCUITS (AFIC) PER NEC 210-12

ALL RECEPTALS IN BATHROOMS, KITCHENS AND EXTERIOR LOCATIONS SHALL BE ON GROUND FAULT INTERRUPTER CIRCUITS (GFCI).

INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.

TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DUGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADDNS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT N°. DESCRIPTION 4 BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

ELECTRICAL POWER SYMBOLS

- ① DUPLEX 120V WALL RECEPTICAL
- ② DUPLEX 120V WALL RECEPTICAL W/ GFI
- ③ DUPLEX 120V WALL RECEPTICAL W/ GFI
- ④ DUPLEX 120V FLOOR RECEPTICAL
- ⑤ 208V APPLIANCE RECEPTICAL
- ⑥ POWER JUNCTION BOX
- ⑦ MOTOR, FAN, COMPRESSOR
- ⑧ SPST WALL SWITCH
- ⑨ 3-WAY WALL SWITCH
- ⑩ NON-FUSED DISC. SWITCH
- ⑪ WEATHER PROOF NON-FUSED DISC. SW.
- ⑫ ELECTRICAL POWER PANEL
- ⑬ ELECTRICAL LIGHTING PANEL
- ⑭ ELECTRICAL EMERGENCY PANEL
- ⑮ TELEPHONE WALL OUTLET
- ⑯ 120V SMOKE DETECTOR

LIGHT FIXTURE SYMBOLS

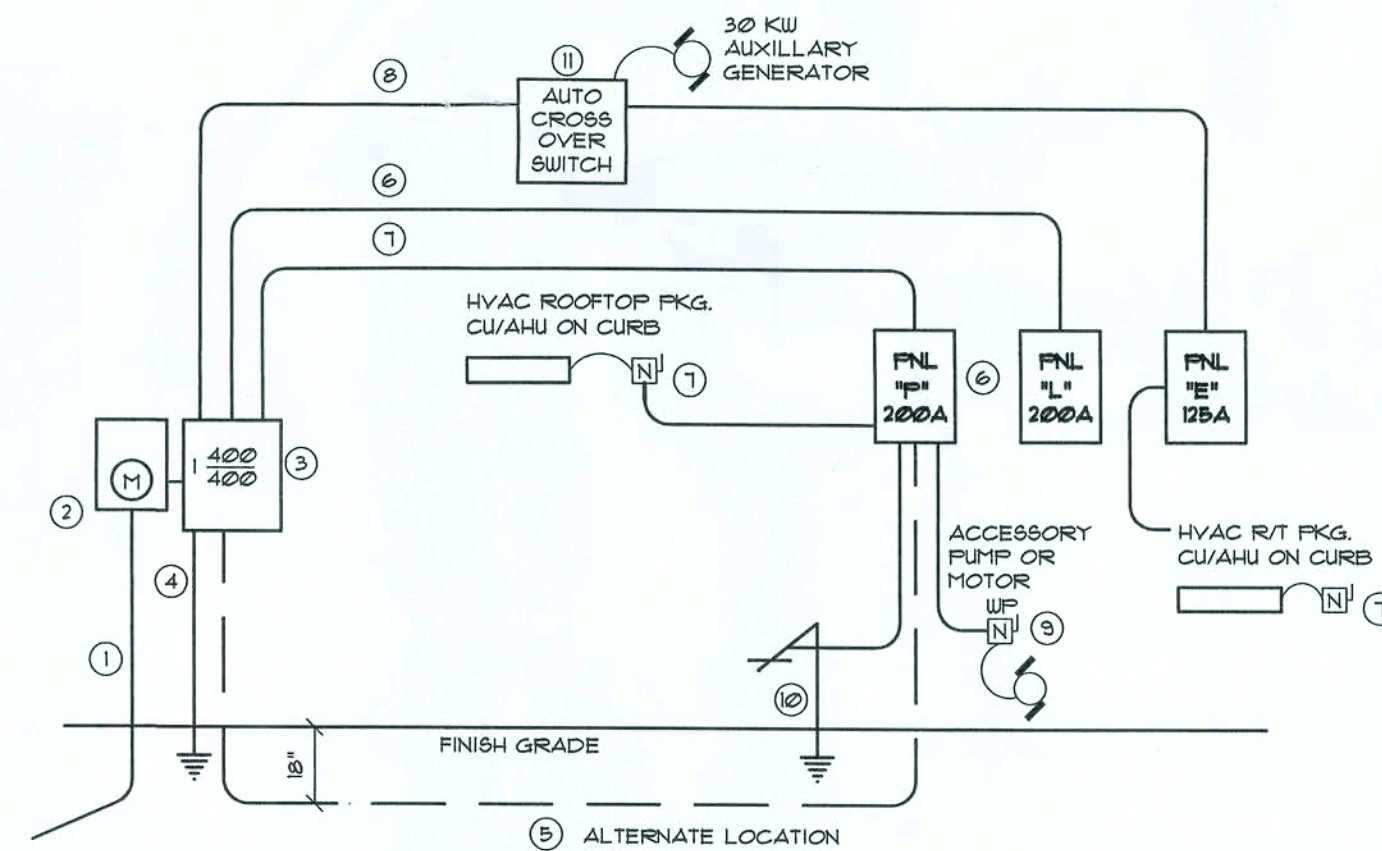
- ① 3-LAMP FLUORESENT
- ② 2-LAMP FLUORESENT
- ③ EM. LIGHT W/ BATTERY PACK
- ④ EXIT LIGHT W/ GREEN FACE
- ⑤ INC. VAPOR PROOF
- ⑥ INCANDESCENT RECESS CAN LIGHT
- ⑦ EXHAUST FAN

FIRE ALARM SYMBOLS

- ① FIRE ALARM FULL STATION
- ② FIRE ALARM STROBE LIGHT
- ③ FIRE ALARM ANNUNCIATOR
- ④ FIRE EXTINGUISHER CABINET

LOAD / SERVICE CALCULATION:

RECEPTALS - 142 @ 180W:	25560 W
2 TUBE FLU. - 20 @ 64W:	1280 W
3 TUBE FLU. - 42 @ 96W:	4032 W
INC. - 15 @ 15W:	5625 W
REFRIGERATOR	1500 W
WASHER	1500 W
DRYER	5000 W
ELW	3000 W
EM/EXIT LTS - 10 @ 50W:	500 W
BATH FANS - 5 @ 80W:	400 W
HVAC - 3 @ 12.8 KW	38400 W
HVAC - 1 @ 6.0 KW	6000 W
SUB-TOTAL LOAD:	92781 W
+ 25% L.F.T.	3020 W
TOTAL CONNECTED LOAD:	93091 W
SERVICE CALCULATION:	
93091 W / 240V = 388.30 AMPERS	
SERVICE ENTRANCE CONDUCTORS:	
6 - 3/4" THW W/ 1 - 4-CU GND / 3" C.	



- Service/Feeder Entrance Conductors: 3" rigid conduit, min. 18" deep, w/ continuous Ground Bonding Conductor. Service/Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
- Meter Enclosure, weatherproof, UL Listed.
- Main Disconnect Switch fused or Main BRKR, weatherproof, UL Listed - 400 A Rated, Fused @ 400 A
- Service entrance Ground: 3/4" x 10' long and/or concrete encased foundation steel rebar x 20'-0" long. Grounding Conductor shall be bonded to each piece of Service/Entrance Equipment, and shall be sized per Item 5, below.
- 400 AMPERE SERVICE, REFER TO CALCULATIONS @ LEFT
- Office Panel (FNL "L"), UL Listed, 200 A, MB - LIGHTING
- Office Panel (FNL "P"), UL Listed, 200 A, MB - POWER
- Office Panel (FNL "E"), UL Listed, 125 A, MB - EMERGENCY
- Equipment Disconnect Switch non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
- Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.
- 125 AMP AUTOMATIC TRANSFER SWITCH FOR FUTURE AUXILIARY GENERATOR.

NOTE:
THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS AND DISCONNECT SWITCHES SHALL BE 10000 AIC.

ELECTRICAL RISER DIAGRAM: 400A
SCALE: NONE

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REVISION:

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New Office Facilities for:
DR. D. DUARTE M.D.
LAKE CITY - COLUMBIA COUNTY, FLORIDA
ELECTRICAL PLAN

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