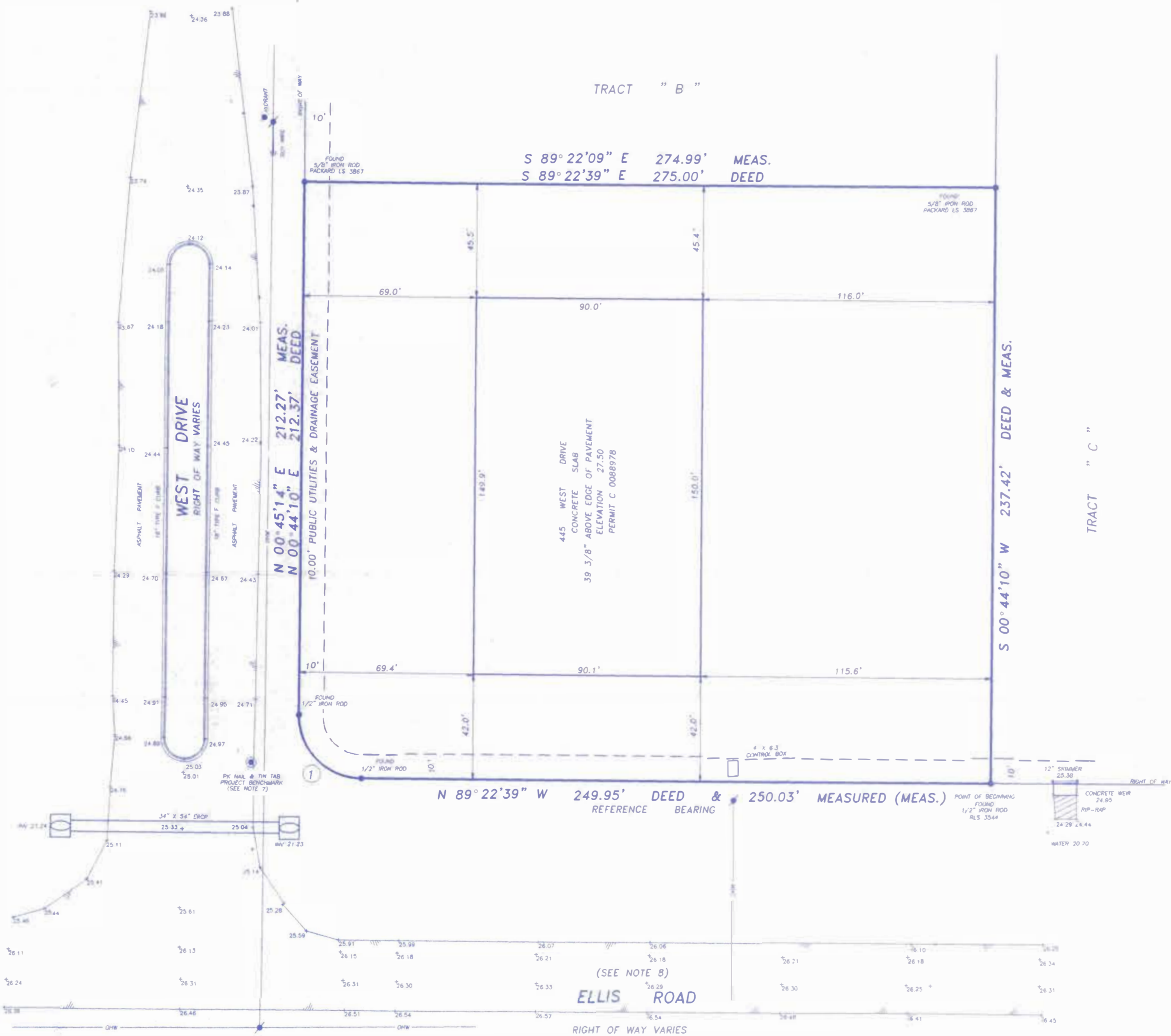


DESCRIPTION  
( OFFICIAL RECORDS BOOK 3677, PAGE 464 )

A PORTION OF TRACT B INDUSTRIAL PLAZA UNIT ONE, AS RECORDED IN PLAT BOOK 26, PAGE 103 PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGIN AT THE SOUTHEAST CORNER OF TRACT B AND RUN N 89°22'39" W ALONG THE SOUTH LINE OF SAID TRACT B, A DISTANCE OF 249.95 FEET TO A POINT OF CURVATURE OF A CURVE CONCAVE TO THE NORTHEAST, THENCE RUN NORTHWESTERLY ALONG SAID CURVE AN ARC DISTANCE OF 39.32 FEET, SAID CURVE HAVING A RADIUS OF 25.00 FEET, A DELTA OF 90°08'49", A CHORD DISTANCE OF 35.39 FEET, AND A CHORD BEARING OF N 44°19'14" W, THENCE RUN N 00°44'10" E ALONG THE EAST R/W LINE OF WEST DRIVE A DISTANCE OF 212.27 FEET, THENCE RUN S 89°22'39" E A DISTANCE OF 275.00 FEET, THENCE RUN S 00°44'10" W A DISTANCE OF 237.42 FEET TO THE POINT OF BEGINNING.

SURVEYORS' NOTES :

- BEARINGS ARE BASED ON THE SOUTH LINE OF TRACT B, INDUSTRIAL PLAZA UNIT ONE PER PLAT BOOK 26, PAGE 103 OF THE PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA AS N 89°22'39" W.
- DESCRIPTION SHOWN HEREON WAS FURNISHED TO THE SURVEYOR FOR THE PURPOSE OF THIS SURVEY.
- INTERIOR IMPROVEMENTS, IF ANY, WERE NOT LOCATED FOR THIS SURVEY EXCEPT AS SHOWN.
- ELEVATIONS ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD) BASED ON A NAIL AND DISK STAMPED LB 6360 ON THE NORTH SIDE OF ELLIS ROAD APPROXIMATELY 1500 FEET EAST OF THE PROJECT SITE, ELEVATION 26.24 FEET.
- ⚡ DENOTES POWER POLE.
- DENOTES OVERHEAD WIRE.
- PROJECT BENCHMARK IS A SET PK NAIL AND TIN TAB AT THE SOUTHWEST CORNER OF THE PROJECT SITE, ELEVATION 24.91 FEET.
- THERE IS NO ACCESS FROM ELLIS ROAD PER THE ABOVE REFERENCED PLAT OF INDUSTRIAL PLAZA UNIT ONE.
- PROPERTY LIES IN FLOOD ZONE "AE 20" PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY, NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP NUMBER 1209C0502E, COMMUNITY 125092, DATED NOVEMBER 19, 1997. AE 20 DENOTES A BASE FLOOD ELEVATION OF 20 FEET NGVD 1929.
- INV DENOTES INVERT.
- ⊞ DENOTES MITERED END SECTION.
- ERCPC DENOTES ELLIPTICAL REINFORCED CONCRETE PIPE.



① RADIUS = 25.00'  
DELTA = 90°08'49"  
ARC = 39.32'  
CHORD = N 44°19'14" W 35.39' DEED  
N 44°08'50" W 35.47' MEAS.



I HEREBY CERTIFY THAT THE ATTACHED SURVEY MEETS THE MINIMUM TECHNICAL REQUIREMENTS OF THE FLORIDA SURVEYING BOARD AND THE FLORIDA ADMINSTRATIVE CODE PURSUANT TO SECTION 473.007, F.S. AND THE FLORIDA SURVEYING BOARD'S REGULATIONS.

DEITHORN, PROFESSIONAL LAND SURVEYOR  
NO. 2472  
STATE OF FLORIDA

NOT VALID UNLESS EMBOSSED WITHIN SURVEYOR'S SEAL AREA SHOWN IN RED INK

DATE	TYPE	FIELD BOOK	REVISION	DRAWN BY
29 SEP 98	BOUNDARY	NOSP/RT/FLD 88-2-62	N / A	DEITHORN
14 OCT 98	LOCATION	NOSP/RT/FLD	N / A	DEITHORN
15 JAN 99	ADDITIONAL TOPOGRAPHY	NOSP/RT/FLD	N / A	DEITHORN
7 FEB 00	FIELD DATA	NOSP/RT/FLD	N / A	DEITHORN

SCALE 1" = 30'

PROJECT NO. 88 - 1102

DEITHORN & ASSOCIATES, INC.  
LAND SURVEYORS  
476 HIGHWAY A-1-A SUITE 4 B  
SATELLITE BEACH, FLORIDA 32937  
407-779-8681 FAX 407-779-8673  
LB 6445

CERTIFIED TO :  
WEST DRIVE CORPORATE CENTER, LLC  
CHICAGO TITLE INSURANCE COMPANY  
FIRST UNION NATIONAL BANK  
GRAY, HARRIS & ROBINSON, P.A.

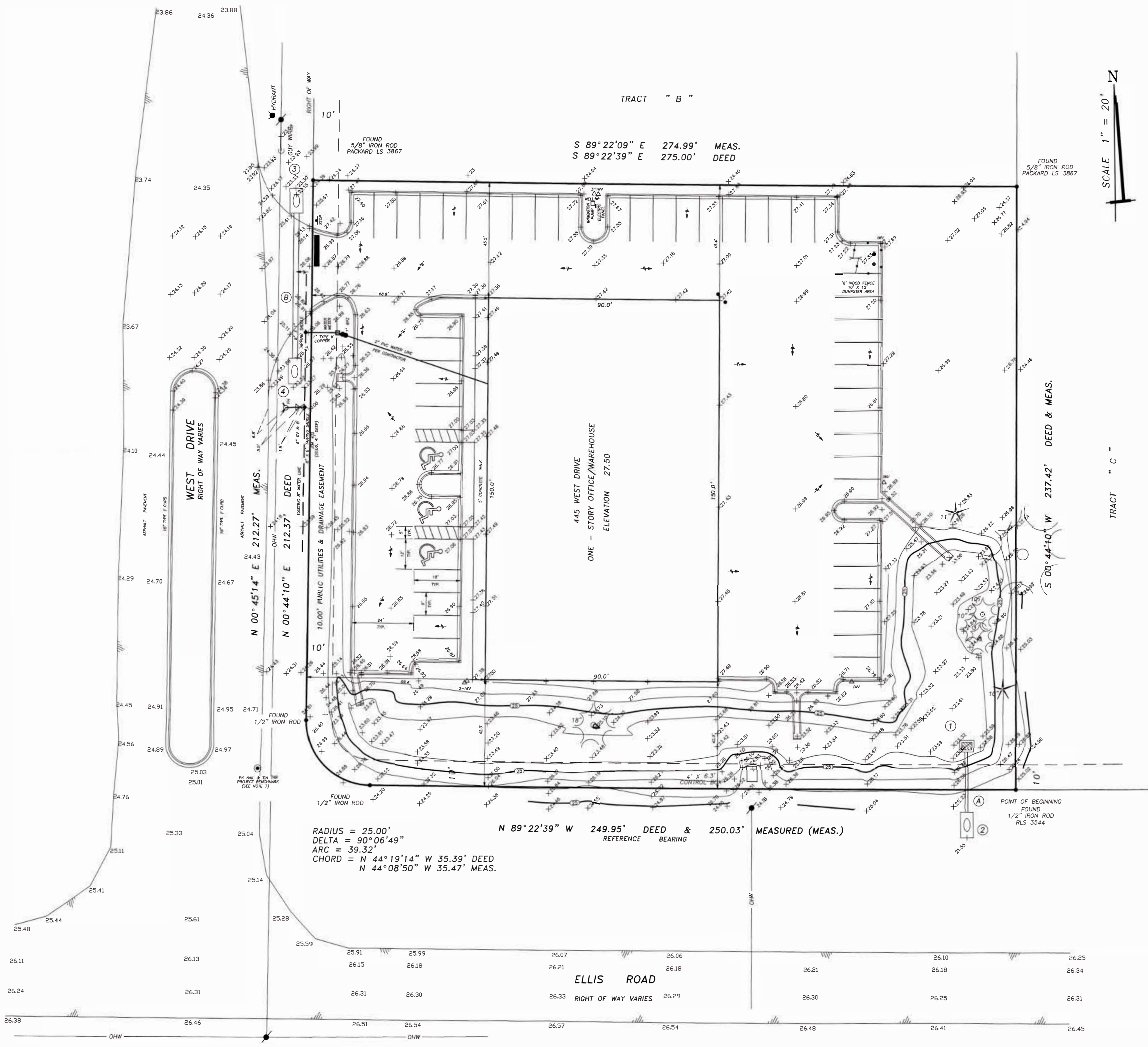
DESCRIPTION  
( OFFICIAL RECORDS BOOK 3677, PAGE 464 )

A PORTION OF TRACT B INDUSTRIAL PLAZA UNIT ONE, AS RECORDED IN PLAT BOOK 26, PAGE 103 PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGIN AT THE SOUTHEAST CORNER OF TRACT B AND RUN N 89°22'39" W ALONG THE SOUTH LINE OF SAID TRACT B; A DISTANCE OF 249.95 FEET TO A POINT OF CURVATURE OF A CURVE CONCAVE TO THE NORTHEAST, THENCE RUN NORTHWESTERLY ALONG SAID CURVE AN ARC DISTANCE OF 39.32 FEET, SAID CURVE HAVING A RADIUS OF 25.00 FEET, A DELTA OF 90°06'49", A CHORD DISTANCE OF 35.39 FEET, AND A CHORD BEARING OF N 44°19'14" W, THENCE RUN N 00°44'10" E ALONG THE EAST R/W LINE OF WEST DRIVE A DISTANCE OF 212.37 FEET, THENCE RUN S 89°22'39" E A DISTANCE OF 275.00 FEET, THENCE RUN S 00°44'10" W A DISTANCE OF 237.42 FEET TO THE POINT OF BEGINNING.

**STORM STRUCTURE AS-BUILT DATA**

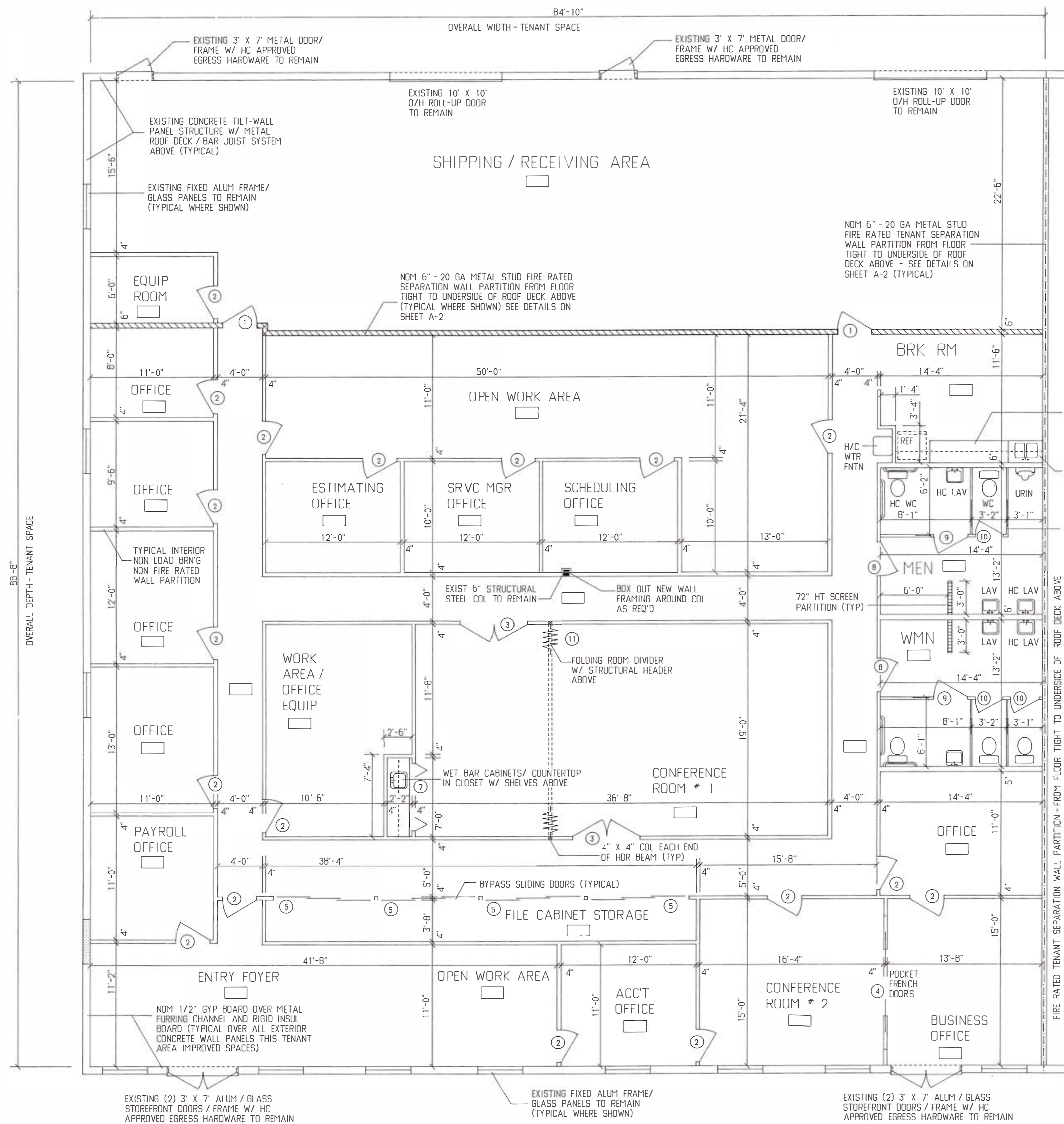
- ① GRATE 26.47 (26.50)  
TOP 36" ALUMINUM SKIMMER 26.96 (27.00)  
S INV 24.34 (25.00)  
3' X 21" SLOTTED WEIR 24.51 (24.56)  
BOTTOM 22.47
- ② 31 LF 12" RCP  
(32 LF 12" RCP)
- ③ MES INV 23.18 (MATCH)
- ④ MES INV 23.21 (MATCH)
- ⑤ 72 LF 14" X 23" ERCP  
(70 LF 14" X 23" ERCP)
- ⑥ MES INV 23.15 (MATCH)

- SURVEYORS' NOTES :**
1. BEARINGS ARE BASED ON THE SOUTH LINE OF TRACT B, INDUSTRIAL PLAZA UNIT ONE PER PLAT BOOK 26, PAGE 103 OF THE PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA AS N 89°22'39" W.
  2. BOUNDARY INFORMATION IS PER THE BOUNDARY SURVEY PREPARED BY DEITHORN & ASSOCIATES, INC. DATED 28 SEP 98.
  3. ELEVATIONS ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD) BASED ON A NAIL AND DISK STAMPED LB 6360 ON THE NORTH SIDE OF ELLIS ROAD APPROXIMATELY 1500 FEET EAST OF THE PROJECT SITE, ELEVATION 26.24 FEET.
  4. PROJECT BENCHMARK IS A SET PK NAIL AND TIN TAB AT THE SOUTHWEST CORNER OF THE PROJECT SITE, ELEVATION 24.91 FEET.
  5. PROPERTY LIES IN FLOOD ZONE "AE 20" PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY, NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP NUMBER 1209C0502E, COMMUNITY 125092, DATED NOVEMBER 19, 1997. AE 20 DENOTES A BASE FLOOD ELEVATION OF 20 FEET NGVD 1929.
  6. DENOTES POWER POLE.
  7. DENOTES OVERHEAD WIRE.
  8. INV DENOTES INVERT.
  9. ERCP DENOTES ELLIPTICAL REINFORCED CONCRETE PIPE.
  10. RCP DENOTES REINFORCED CONCRETE PIPE.
  11. & MES DENOTES MITERED END SECTION.
  12. & 1" RPZ DENOTES REDUCED PRESSURE BACKFLOW PREVENTER AND SIZE.
  13. & 6" GV&B DENOTES GATE VALVE, BOX AND SIZE.
  14. & FH DENOTES FHYDRANT ASSEMBLY.
  15. & IWW DENOTES IRRIGATION WATER VALVE.
  16. PARKING SPACES :  
3 HANDICAP SPACES AT 12' X 18'  
46 STANDARD SPACES AT 9' X 18'  
49 TOTAL SPACES
  17. INFORMATION SHOWN IN PARENTHESIS DENOTES DESIGN DATA PER THE CONSTRUCTION PLANS PREPARED BY DROOR & ASSOCIATES, INC. DATED REVISION 1, 6-11-99.
  18. DEPTHS AND ELEVATIONS ON WATER LINE ARE TO TOP OF PIPE.
  19. DENOTES FLOW DIRECTION.



**PAVING & DRAINAGE & WATER SYSTEM  
AS-BUILT SURVEY  
WEST DRIVE CORPORATE CENTER  
MELBOURNE, FLORIDA**

<p>1. VERIFY CERTIFY THAT THE ATTACHED SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES.</p> <p>DAVID A. DEITHORN, PROFESSIONAL LAND SURVEYOR STATE OF FLORIDA, NO. 2412 NOT VALID UNLESS EMBOSSED WITH SURVEYORS' SEAL AND SIGNED IN RED INK</p>		<p>SURVEYORS' SEAL</p>	
DATE	11 APR 00	TYPE	AS-BUILT SURVEY
FIELD BOOK	INPLAB # C18	REVISION	N/A
DRAWN BY	DEITHORN	PROJECT NO.	00 - 336
<p>DEITHORN &amp; ASSOCIATES, INC. LAND SURVEYORS 476 HIGHWAY A-1-A SUITE 4 B SATELLITE BEACH, FLORIDA 32937 407-779-8661 FAX 407-779-8673 LB 6443</p>		<p>TWP. 27 S., R6E. 36 E., SEC 26</p>	



**TENANT DATA:**

OFFICE AREA = 5,730 SF  
 WAREHOUSE AREA = 1,972 SF  
 TOTAL AREA = 7,702 SF

**BUILDING DATA:**

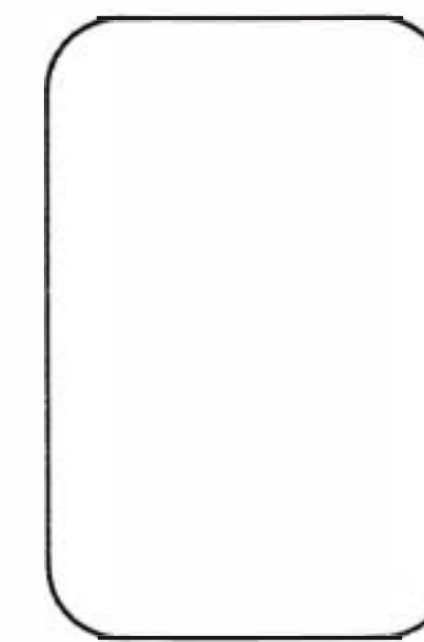
TENANT AREA = 7,702 SF (GROSS AREA)  
 CONSTRUCTION TYPE = TYPE "IV"  
 (UNSPRINKLERED, UNPROTECTED)  
 OCCUPANCY GROUP = GROUP "B"  
 (BUSINESS - PROFESSIONAL OFFICE)

**TENANT RENOVATIONS - FLOOR PLAN**

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

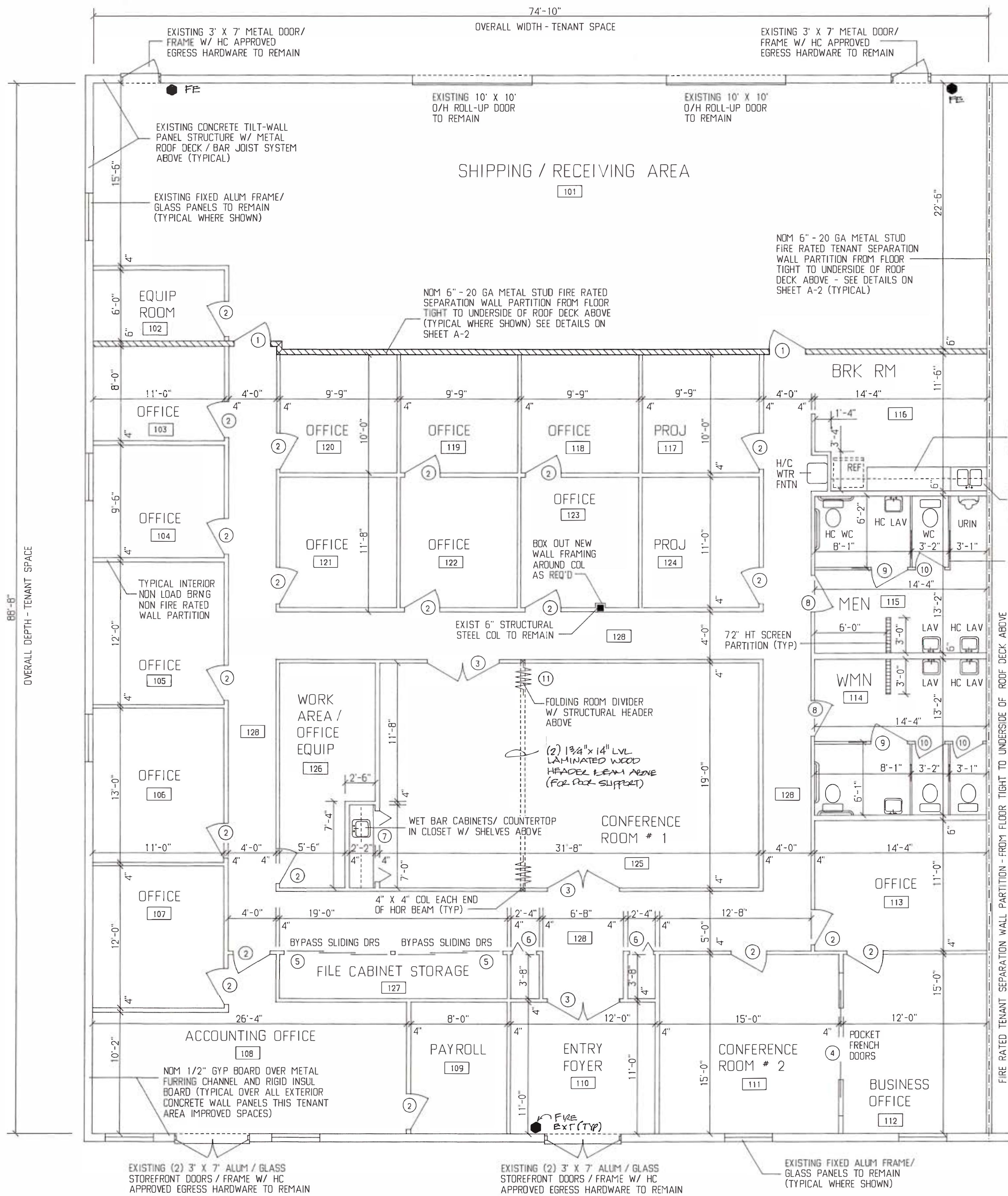
REVISIONS


**ENGINEERING & DESIGN CONCEPTS, INC.**  
 1398 PALM BAY ROAD, NE PALM BAY, FLORIDA 32909 TEL NO (407) 727-2056 FAX NO (407) 727-8465  
 TENANT RENOVATIONS - PLANS / NOTES / DETAILS FOR:  
**ASTERN CONSTRUCTION / CMS**  
 WEST DRIVE / ELLIS ROAD W MELBOURNE, FLORIDA



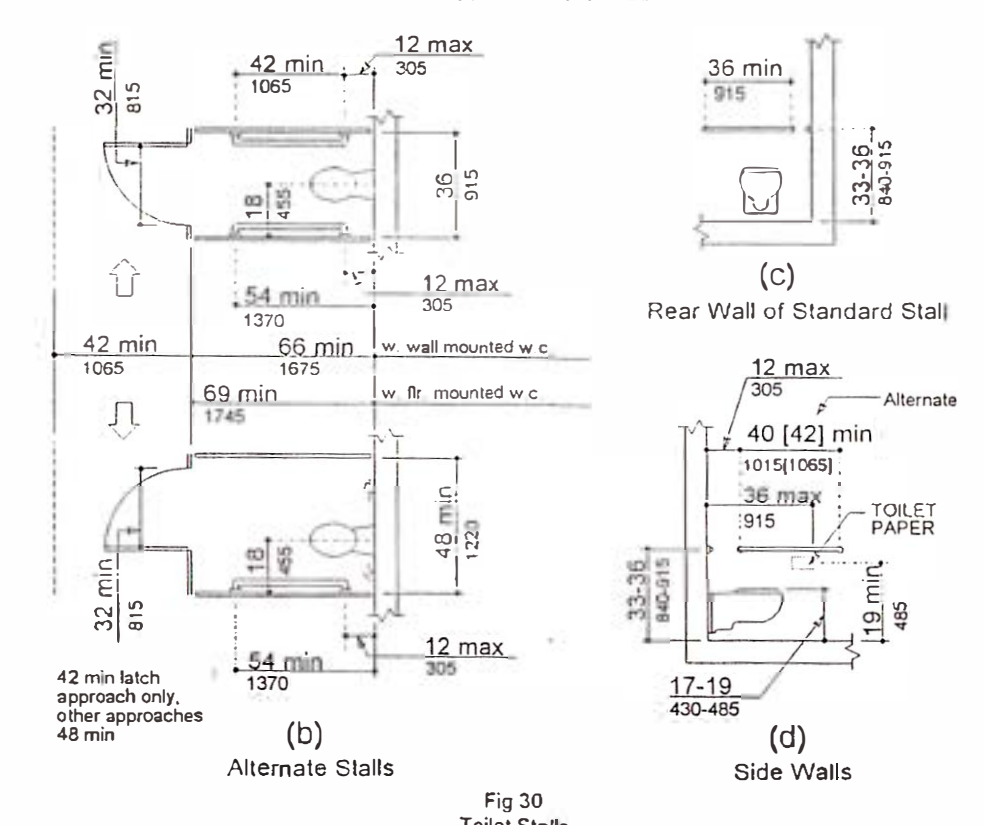
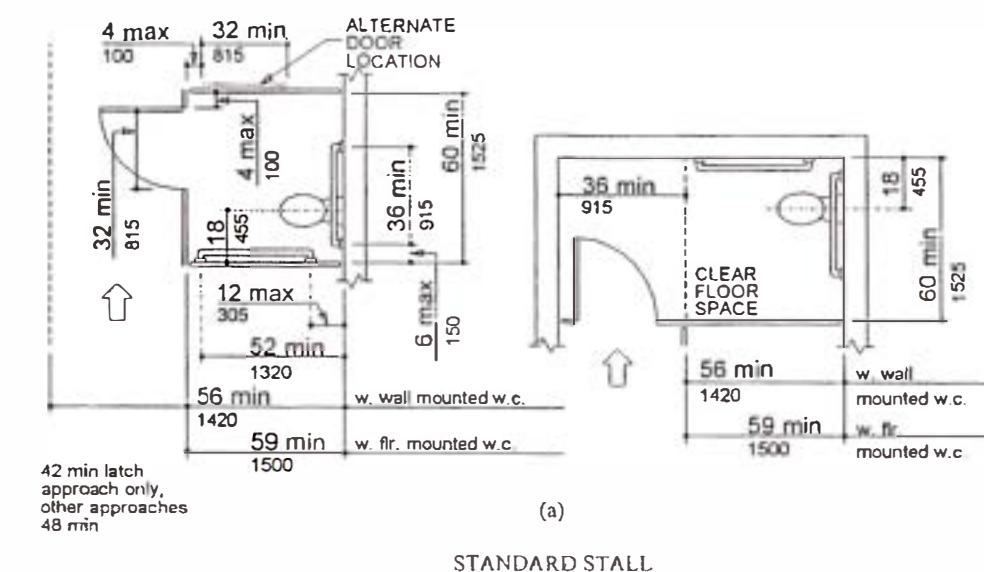
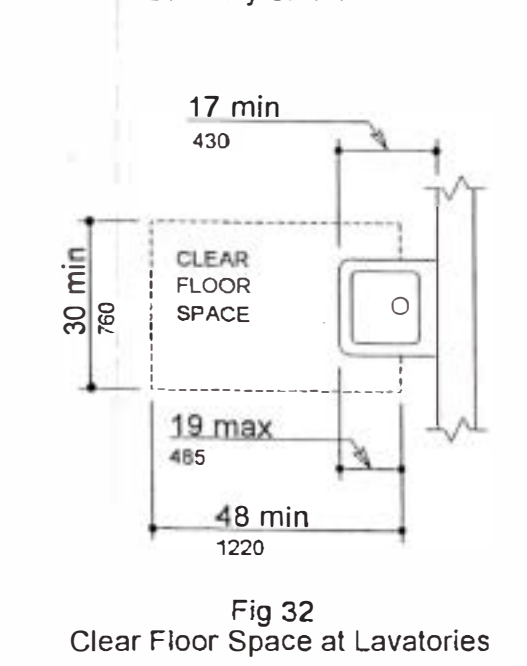
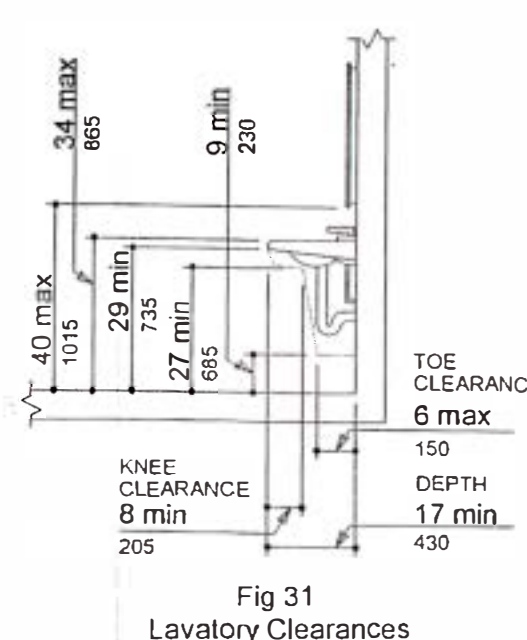
DRAWN	BOB C
CHECKED	
SCALE	AS NOTED
JOB NO.	
DATE	MAR 7, 2000
SHEET	A - 1

UP SHEET



**DOOR SCHEDULE**

- 1 3068 SC WOOD DOOR (20 MIN FIRE RATED) WITH RATED METAL FRAME, SELF CLOSURE DEVICE AND RATED HIC APPROVED NON KEYPED PASSAGE HARDWARE
- 2 3068 WOOD DOOR / FRAME WITH HIC APPROVED NON KEYPED PASSAGE HARDWARE
- 3 (2) 2068 WOOD DOOR / FRAME WITH HIC APPROVED NON KEYPED PASSAGE HARDWARE
- 4 (2) 3068 WOOD POCKET SLIDING DOORS WITH TRACK / HARDWARE REQUIRED TO PROVIDE PROPER INSTALLATION AND OPERATION
- 5 9068 (3 PANEL) WOOD BY-PASS SLIDING DOORS WITH TRACK / HARDWARE REQUIRED TO PROVIDE PROPER INSTALLATION AND OPERATION
- 6 2068 WOOD BIFOLD DOORS WITH TRACK / HARDWARE REQUIRED TO PROVIDE PROPER INSTALLATION AND OPERATION
- 7 6068 WOOD BIFOLD DOORS WITH TRACK / HARDWARE REQUIRED TO PROVIDE PROPER INSTALLATION AND OPERATION
- 8 3068 WOOD DOOR / FRAME WITH HIC APPROVED NON KEYPED PASSAGE HARDWARE AND SELF-CLOSURE DEVICE
- 9 3850 LAMINATED HIC TOILET STALL PARTITION DOOR - MOUNTED AT MIN 12" HT AFF TO BOTTOM OF DOOR PANEL - PROVIDE ALL REQ'D HARDWARE FOR PROPER INSTALLATION AND OPERATION
- 10 2650 LAMINATED TOILET STALL PARTITION DOOR - MOUNTED AT MIN 12" HT AFF TO BOTTOM OF DOOR PANEL - PROVIDE ALL REQ'D HARDWARE FOR PROPER INSTALLATION AND OPERATION
- 11 19" W X 44" H FOLDING PARTITION ROOM DIVIDER FIELD VERIFY EXACT HEIGHT OF PARTITION PRIOR TO DOOR ORDER FABRICATION - PROVIDE / INSTALL DOOR WITH ALL TRACK / HARDWARE REQ'D FOR PROPER INSTALLATION AND OPERATION



PROVIDE / INSTALL NEW LOWER / UPPER CABINETS, COUNTERTOP AS SHOWN STYLE / FINISH SELECTED BY TENANT

LOUNGE AREA SINK, SINK COUNTER SHALL BE INSTALLED TO COMPLY W/ FACGCC 4:25 - SEE NOTES THIS SHEET

LAMINATE PANEL TOILET STALL PARTITION WALLS AND DOORS STYLE / COLOR SELECTED BY TENANT (TYP WHERE SHOWN)

4.18 URINALS.

4.18.1 General. Accessible urinals shall comply with 4.18.

4.18.2 Height. Urinals shall be stall-type or wall-hung with an elongated rim at a maximum of 17 in (430 mm) above the finish floor.

4.18.3 Clear Floor Space. A clear floor space 30 in by 48 in (760 mm by 1220 mm) shall be provided in front of urinals to allow forward approach. This clear space shall adjoin or overlap an accessible route and shall comply with 4.2.4. Urinal shields that do not extend beyond the front edge of the urinal rim may be provided with 29 in (735 mm) clearance between them.

4.18.4 Flush Controls. Flush controls shall be hand operated or automatic, and shall comply with 4.27.4, and shall be mounted no more than 44 in (1120 mm) above the finish floor.

**ROOM FINISH SCHEDULE**

- 101 SHIPPING / RECEIVING AREA  
THIS AREA NOT SERVED BY HVAC SYSTEMS  
EXISTING EXPOSED CONCRETE EXTERIOR WALLS TO REMAIN  
PAINT ALL EXPOSED INTERIOR GYPSUM BOARD WALL SURFACES  
NO CEILING REQUIRED - OPEN TO ROOF DECK/STRUCTURE ABOVE
- 102 EQUIPMENT ROOM AREA  
PAINT ALL GYPSUM BOARD WALLS  
INSTALL VCT TILE WITH VINYL BASE TRIM  
INSTALL 2" X 4" LAY-IN ACOUSTICAL CEILING TILE / GRID SYSTEM  
FIELD VERIFY EXACT MOUNTING HEIGHT PRIOR TO INSTALLATION
- 103, 104 OFFICE AREAS / FILE STORAGE / CORRIDOR AREAS  
PAINT ALL GYPSUM BOARD WALLS  
INSTALL 36 OZ COMMERCIAL GRADE CARPET WITH VINYL BASE TRIM
- 105, 106  
PAINT ALL GYPSUM BOARD WALLS  
INSTALL 36 OZ COMMERCIAL GRADE CARPET WITH VINYL BASE TRIM
- 107, 108  
PAINT ALL GYPSUM BOARD WALLS  
INSTALL 36 OZ COMMERCIAL GRADE CARPET WITH VINYL BASE TRIM
- 109, 113  
INSTALL 2" X 4" LAY-IN ACOUSTICAL CEILING TILE / GRID SYSTEM  
FIELD VERIFY EXACT MOUNTING HEIGHT PRIOR TO INSTALLATION
- 111, 112 MAIN OFFICE / CONFERENCE ROOMS  
PAINT ALL GYPSUM BOARD WALLS  
INSTALL 36 OZ COMMERCIAL GRADE CARPET WITH WOOD BASE TRIM  
INSTALL 2" X 4" LAY-IN ACOUSTICAL CEILING TILE / GRID SYSTEM  
FIELD VERIFY EXACT MOUNTING HEIGHT PRIOR TO INSTALLATION
- 114, 115 MENS / WOMENS LAV AREA  
PAINT ALL GYPSUM BOARD WALLS  
INSTALL VCT TILE WITH VINYL BASE TRIM  
INSTALL 2" X 4" LAY-IN ACOUSTICAL CEILING TILE / GRID SYSTEM  
FIELD VERIFY EXACT MOUNTING HEIGHT PRIOR TO INSTALLATION  
INSTALL ALL FIXTURES, TOILET STALL PARTITIONS AND DOORS, TOILET PAPER AND PAPER TOWEL HOLDERS, MIRRORS ABOVE ALL LAV SINKS, GRAB BARS, ETC AS REQUIRED
- 116 BREAKROOM AREA  
PAINT ALL GYPSUM BOARD WALLS  
INSTALL VCT TILE WITH VINYL BASE TRIM  
INSTALL 2" X 4" LAY-IN ACOUSTICAL CEILING TILE / GRID SYSTEM  
FIELD VERIFY EXACT MOUNTING HEIGHT PRIOR TO INSTALLATION  
INSTALL COFFEE AREA CABINETS, COUNTERTOP AND SINK AS SHOWN ON FLOOR PLAN

**TENANT DATA:**  
OFFICE AREA = 5,148 SF  
WAREHOUSE AREA = 1,648 SF  
TOTAL AREA = 6,796 SF

**BUILDING DATA:**  
TENANT AREA = 6,796 SF (GROSS AREA)  
CONSTRUCTION TYPE = TYPE "IV"  
(UNSPRINKLERED, UNPROTECTED)  
OCCUPANCY GROUP = GROUP "B"  
(BUSINESS - PROFESSIONAL OFFICE)

**TENANT RENOVATIONS - FLOOR PLAN**

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

**REVISIONS**

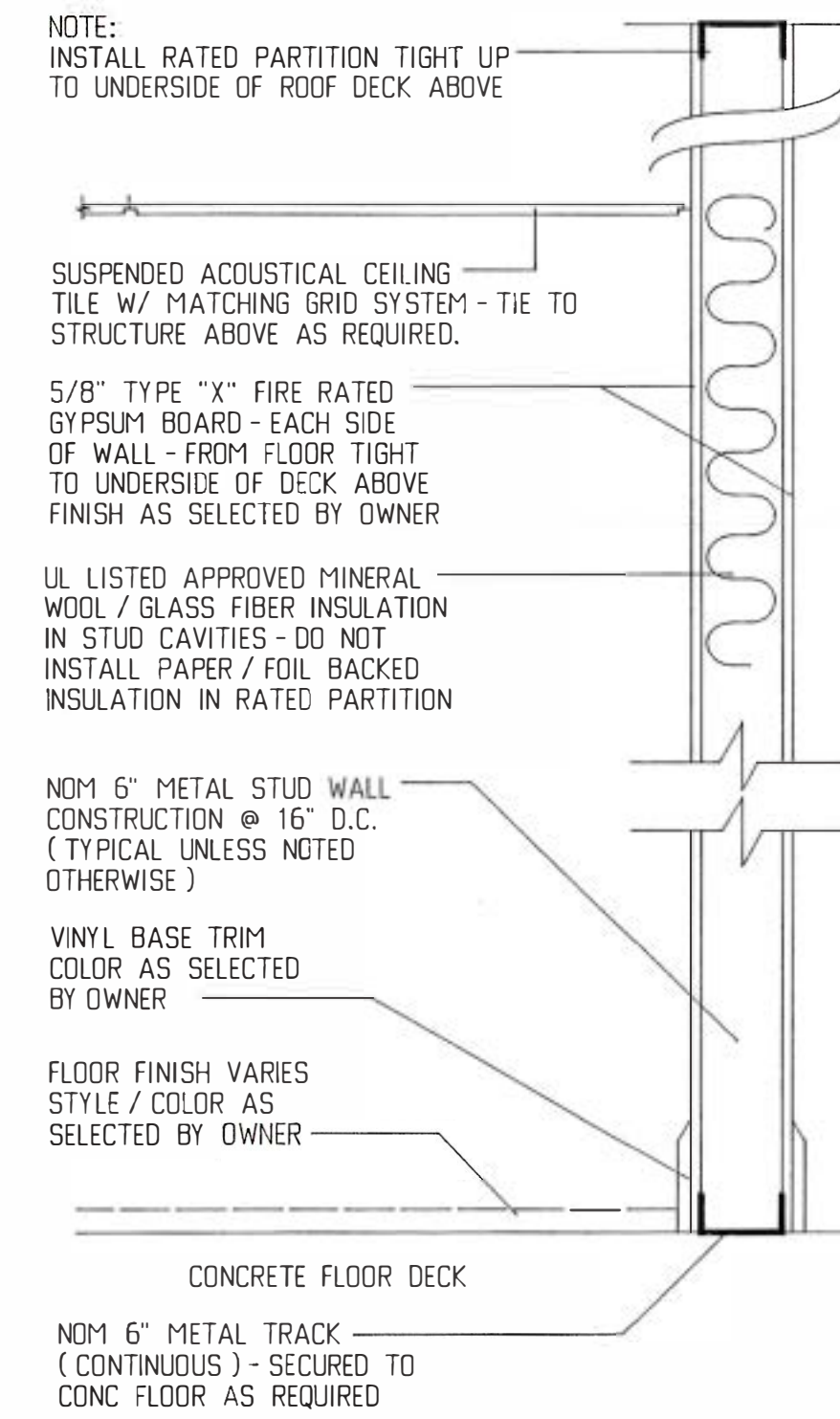

**ENGINEERING & DESIGN CONCEPTS, INC.**  
1398 PALM BAY ROAD, NE PALM BAY, FLORIDA 32905 TEL NO (407) 727-2056 FAX NO (407) 727-8465

TEENANT RENOVATIONS - PLANS / NOTES / DETAILS FOR:  
**EASTERN CONSTRUCTION / CYS**  
WEST DRIVE / ELLIS ROAD W MELBOURNE, FLORIDA

**DRAWN** BOB C  
**CHECKED**  
**SCALE** AS NOTED  
**JOB NO.**  
**DATE** MAR 7, 2000  
**SHEET**

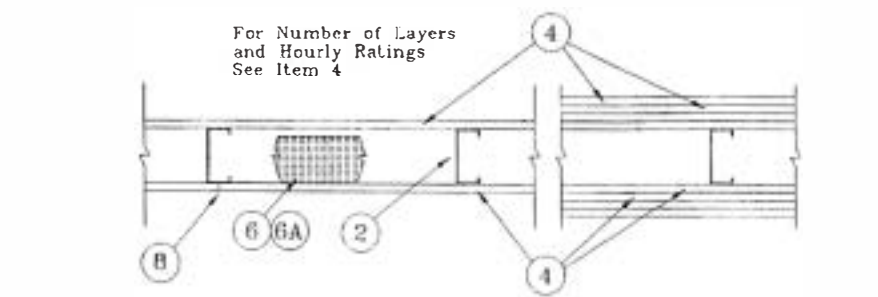
• THE AMERICANS WITH DISABILITIES ACT (ADA) PROVIDES THAT IT IS A VIOLATION OF THE ADA TO DESIGN AND CONSTRUCT A FACILITY FOR FIRST OCCUPANCY LATER THAN JANUARY 26, 1993 THAT DOES NOT MEET THE ACCESSIBILITY AND USABILITY AND REQUIREMENTS OF THE ADA EXCEPT WHERE AN ENTITY CAN DEMONSTRATE THAT IT IS STRUCTURALLY IMPRACTICAL TO MEET SUCH REQUIREMENTS. THE CLIENT ACKNOWLEDGES THAT THE REQUIREMENTS OF THE ADA WILL BE SUBJECT TO VARIOUS AND POSSIBLY CONTRADICTORY INTERPRETATIONS. THE DESIGN PROFESSIONAL, THEREFORE, WILL USE HIS OR HER REASONABLE PROFESSIONAL EFFORTS TO INTERPRET APPLICABLE ADA REQUIREMENTS AND OTHER FEDERAL, STATE AND LOCAL LAWS, RULES, CODES, ORDINANCES AND REGULATIONS AS THEY APPLY TO THE PROJECT. THE DESIGN PROFESSIONAL, HOWEVER CANNOT AND DOES NOT WARRANT OR GUARANTEE THAT THE CLIENT'S PROJECT WILL COMPLY WITH INTERPRETATIONS OF OR REQUIREMENTS AND/OR REQUIREMENTS OF OTHER FEDERAL, STATE, AND LOCAL LAWS, RULES, CODES, ORDINANCES AND REGULATIONS, AS THEY APPLY TO THE PROJECT.

A - 1  
OF SHEET



**FIRE RATED WALL SECTION**  
 NON LOAD BEARING - FIRE RATED WALL PARTITION  
 METAL STUD WALL CONSTRUCTION (NOM 20 GA)  
 SCALE 1 1/2" = 1'-0"

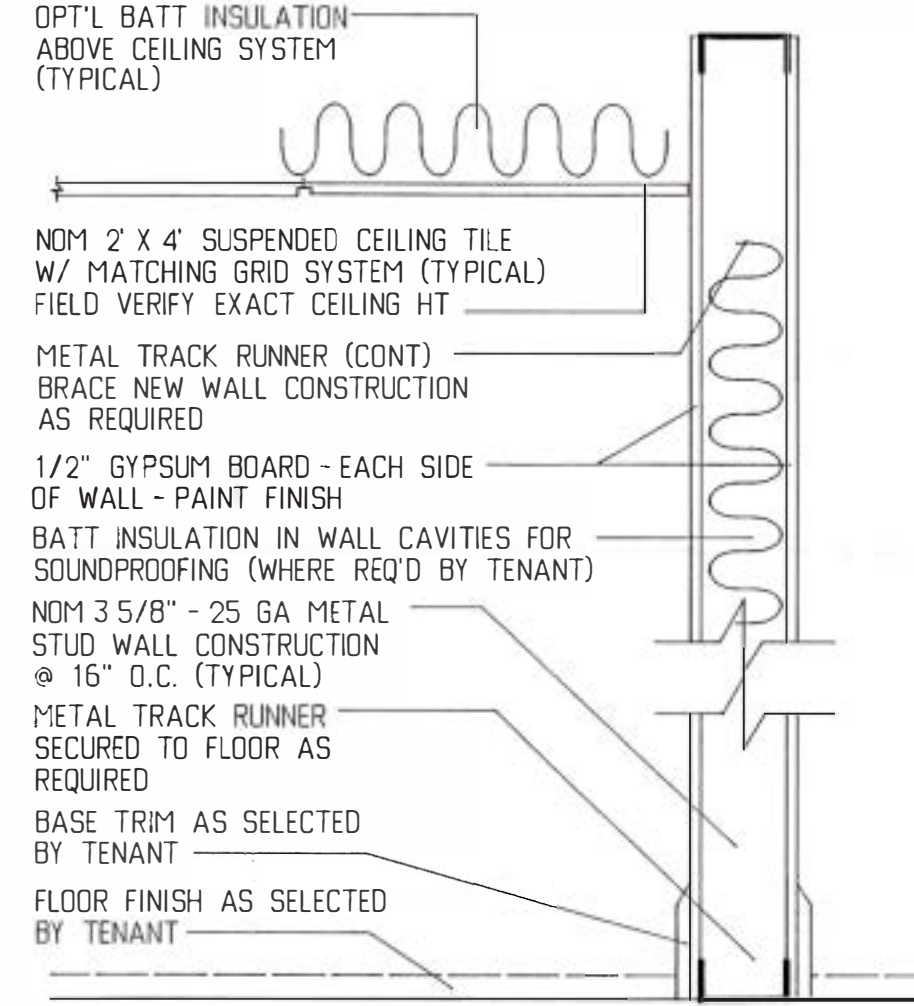
Design No. U423  
 Bearing Wall Ratings—45 min. 1, 1-1/2 or 2 Hr (See Items 4 & 6)



1. Floor and Ceiling Runners—(Not shown)—Channel shaped, fabricated from min 0.0325 in. thick (No. 20 MSG) corrosion-protected steel, that provide a sound structural connection between steel studs and adjacent assemblies such as floors, ceilings and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. OC.
2. Steel Studs—Min 0.0325 in. thick (No. 20 MSG) corrosion-protected steel studs, min 1/2 in. wide, cold formed, designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute (AISI). All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing shall not exceed 24 in. OC. Studs attached to floor and ceiling runners with 1/2 in. long Type 5-12 panhead, self-drilling, self-tapping steel screws on both sides of the studs or by welded or bolted connections designed in accordance with the AISI specifications.
3. Lateral Support Members—(Not shown)—Where required for lateral support of studs, support shall be provided by means of steel straps, channels or other similar means as specified in the design of a particular steel stud wall system.
4. Wallboard, Gypsum—Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal edge joints and horizontal butt joints on opposite sides of studs staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers and percent of design load for the 45 min, 1 hr, 1-1/2 hr, and 2 hr ratings are as follows:

Wallboard Protection on Each Side of Wall			
Rating	No. of Layers	Thickness of Panels	Percent of Design Load
45 min	1	1/2 in. thick	100
1 hr	1	5/8 in. thick	100
1-1/2 hr	2	1/2 in. thick	100
2 hr	2	5/8 in. thick	80
2 hr@	2	1/2 in. thick	100
2 hr	3	1/2 in. thick	100
2 hr	2	3/4 in. thick	100

- @Rating applicable when Batts and Blankets (Item 6) are used.  
 Canadian Gypsum Co.—1/2 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC, or IP-X2; 3/4 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC, or IP-X2; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC, or IP-X2; 3/4 in. thick ULTRACODE or Type AR or IP-X3.  
 United States Gypsum Co.—1/2 in. thick Type SCX, SHX, WRX, AR, C, WRC, or IP-X2; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC or IP-X2; 3/4 in. thick ULTRACODE or Type AR or IP-X3.  
 Yeso Panamericano SA de CV—1/2 in. thick Type SCX, SHX, WRX, AR, C, WRC or IP-X2; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC or IP-X2; 3/4 in. thick ULTRACODE, AR or IP-X3.
5. Fasteners—(Not shown)—Type 5-12 self-drilling, self-tapping steel screws used to attach panels to runners (Item 1) and studs (Item 2) or furring channels (Item 7). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1 1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 12 in. OC when panels are applied vertically. Two layer systems: First layer: 1 in. long for 1/2 and 5/8 in. thick panels or 1 1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer: 1-5/8 in. long for 1/2 in. thick panels or 2 1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Three-layer systems: First layer: 1 in. long for 1/2 in. thick panels, spaced 24 in. OC. Second layer: 1-5/8 in. long for 1/2 in. thick panels, spaced 24 in. OC. Third layer: 2 1/4 in. long for 1/2 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.
  6. Batts and Blankets—(Required as indicated under Item 4)—Non 2 in. thick mineral wool batts. Friction fitted between studs and runners. See Batts and Blankets (BKNV or B23Z) Categories for names of classified companies.
  - 6A. Batts and Blankets—(Optional, not shown)—Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or B23Z) Categories for names of classified companies.
  7. Furring Channels—(Optional on one or both sides, not shown, for single or double layer systems)—Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type 5-12 panhead steel screws.
  8. Joint Tape and Compound—Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layers.
  9. Siding, Brick or Stucco—(Optional, not shown)—Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.
  10. Caulking and Sealants—(Optional, not shown)—A bead of acoustical sealant applied around the partition perimeter for sound control.  
 United States Gypsum Co.—Type AS  
 Bearing the UL Classification Marking



**TYPICAL INTERIOR WALL SECTION**  
 NON LOAD BEARING - NON FIRE RATED WALL PARTITION  
 METAL STUD WALL CONSTRUCTION  
 SCALE 1 1/2" = 1'-0"

- INTERIOR WALL SECTION NOTES:**
1. PROVIDE SOLID WOOD BLOCKING FOR LOWER / UPPER CABINET INSTALLATION. SHELVING INSTALLATION WHERE REQUIRED.
  2. PROVIDE BATT INSULATION IN WALL CAVITIES (FOR SOUND PROOFING PURPOSES) WHERE REQUIRED. COORDINATE LOCATIONS WITH OWNER DURING BIDDING PHASE.
  3. PROVIDE SOLID BLOCKING FOR ALL WALL MOUNTED EQUIPMENT WHERE REQUIRED. COORDINATE W/ OWNER PRIOR TO CONSTRUCTION.
  4. PARTIAL HEIGHT WALL PARTITIONS SHALL BE FINISHED TO HEIGHTS INDICATED ON FLOOR PLAN.
  5. BRACE NEW WALL PARTITIONS TO STRUCTURE ABOVE AS REQUIRED.

**GENERAL NOTES**

- THE CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE PROJECT CONDITIONS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE AND PAY FOR PUBLIC LIABILITY, PROPERTY DAMAGE, AND WORKMAN'S COMPENSATION INSURANCE AND ALL REQUIRED FEES, PERMITS, INSPECTIONS AND TESTING.
- THE GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS WITH SHOP, ELECTRICAL, STRUCTURAL AND/OR SITE PLAN DRAWINGS AS APPLICABLE PRIOR TO START OF CONSTRUCTION.
- DO NOT SCALE DRAWINGS FOR DIMENSION PURPOSES. USE FIELD MEASUREMENTS OR ARCHITECT'S DIMENSIONED DRAWINGS FOR DETERMINING EXACT LOCATIONS AND CLEARANCES. IF ANY UNEXPECTED CONDITIONS ARE FOUND, THE ARCHITECT AND USA PROJECT ENGINEER ARE TO BE NOTIFIED PRIOR TO PROCEEDING.
- THE CONTRACTORS AND SUB-CONTRACTORS SHALL BID FROM COMPLETE SETS OF DRAWINGS IN ORDER TO COORDINATE WITH OTHER TRADES.
- ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS IN A FIRST CLASS WORKMAN-LIKE MANNER USING METHODS AND MATERIALS IN KEEPING WITH INDUSTRY STANDARDS, ALL APPLICABLE CODES, REGULATIONS, LOCAL AUTHORITY AND THE LATEST ASHRAE GUIDELINE 5.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- ALL WORKMANSHIP AND MATERIAL SHALL BE FREE FROM DEFECTS FOR NOT LESS THAN ONE YEAR FROM THE DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE MADE WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT AND/OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY BE DAMAGED AS A RESULT OF SUCH DEFECTS.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE APPROVED WHERE APPLICABLE. SUBSTITUTIONS FOR SPECIFIED EQUIPMENT SHALL BE LIKE APPROVAL OF ARCHITECT AND USA PROJECT ENGINEER. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ARCHITECT AND USA PROJECT ENGINEER WHERE APPLICABLE.
- THESE DOCUMENTS HAVE BEEN DESIGNED AND ACCEPTED UNDER THE JURISDICTION, PROVISIONS AND RULES OF THE SBCCI 1994 STANDARD BUILDING CODE, CHAPTER 16, SECTION 1606, THE AMERICANS WITH DISABILITIES ACT (ADA) OF 1993, FLORIDA AMERICANS WITH DISABILITIES ACCESSIBILITY IMPLEMENTATION ACT OF 1994 AND APPLICABLE LOCAL CODES AND ORDINANCES. THE DESIGN INTENT IS TO FULLY COMPLY.
- LOCKS AND RELATED HARDWARE SHALL COMPLY WITH N.F.P.A. 105-2151 FLORIDA AMERICANS WITH DISABILITIES ACCESSIBILITY GUIDELINES - 1993 FLORIDA AMERICANS WITH DISABILITIES ACCESSIBILITY IMPLEMENTATION ACT - 1994.
- HARDWARE SHALL BE LEVER TYPE AS PER ADA UNLESS NOTED OTHERWISE.
- FLOOR FINISHES SHALL BE CLASS II OR BETTER.
- ALL DOORS, FRAMES, HARDWARE, CLOSERS, HINGES, THRESH-HOLDS, ETC. IN RATED WALLS SHALL HAVE A UL LISTING FOR INTENDED USE.
- LOCKING DEVICES ON EXIT DOORS SHALL BE DIRECT ACTING, REQUIRING NO MORE THAN ONE MOTION.
- HARDWARE SHALL BE LEVER TYPE AS PER ADA UNLESS NOTED OTHERWISE.
- ALL PENETRATIONS IN RATED WALLS AND BETWEEN FLOORS SHALL BE FILLED WITH APPROVED NONCOMBUSTIBLE MATERIAL AND PROPERLY SEALED.
- ELECTRICAL OUTLETS, LOCATED IN A FIRE RATED WALL SHALL BE A MINIMUM OF 24" APART AND SHALL HAVE A UL LISTING FOR INTENDED USE.
- FIRE EXTINGUISHER TYPE, SIZE AND NUMBER REQUIRED SHALL BE DETERMINED BY THE FIRE MARSHAL AND INSPECTED AND TAGGED BY A STATE LICENSED FIRE EXTINGUISHER CO. LOCATIONS, IF SHOWN, ARE TO BE APPROVED BY THE FIRE DEPARTMENT PLAN REVIEWER.
- INTERIOR FINISHES IN CORRIDOR AND EXITS SHALL COMPLY WITH SBCCI 1994 STANDARD BUILDING CODE, CHAPTER 6, SECTION 6033. (MINIMUM INTERIOR FINISH CLASSIFICATION)

**ENGINEERING & DESIGN CONCEPTS, INC.**  
 TENANT RENOVATIONS - PLANS / NOTES / DETAILS FOR:  
**EASTERN CONSTRUCTION / CMS**  
 WEST DRIVE / ELLIS ROAD W MELBOURNE, FLORIDA  
 1358 PLYM BAY ROAD, NE PLYM BAY, FLORIDA 32905 TEL NO (407) 727-2006 FAX NO (407) 797-8465

DRAWN BOB C  
 CHECKED  
 SCALE AS NOTED  
 JOB NO.  
 DATE MAR 7, 2000  
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 OF SHEET