Laredo Community College

RRT

Construction Documents

April 11, 2002

These Construction Documents are issued for construction for the benefit of the General Contractor. General Contractor is still responsible for the original Bid Proposal Set to confirm all addendum items are included.

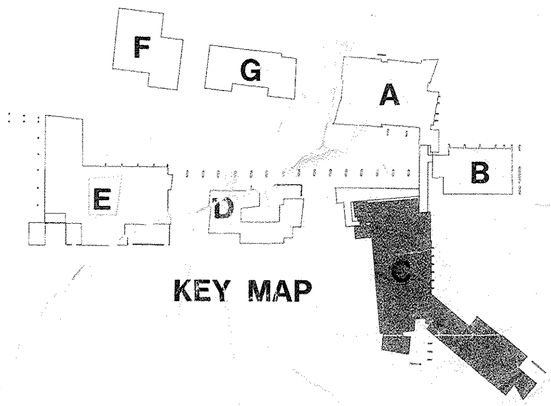
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ISSUE FOR
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CONSTRUCTION

DRAWING INDEX

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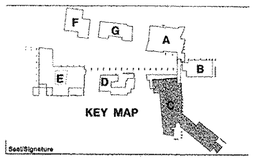
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Issue	Date & Issue Description	By	Check
--- 01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

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KEY MAP

Seal/Signature



04/11/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name
DRAWING INDEX

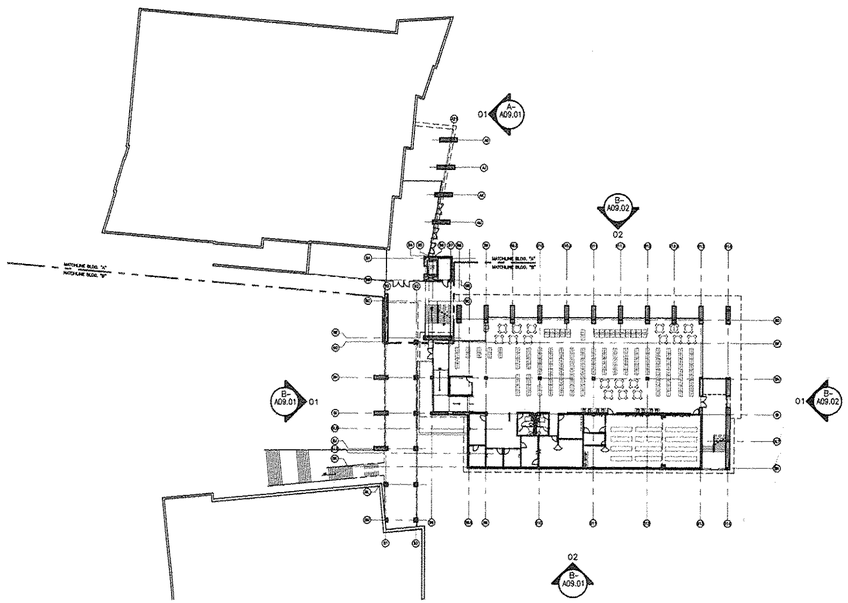
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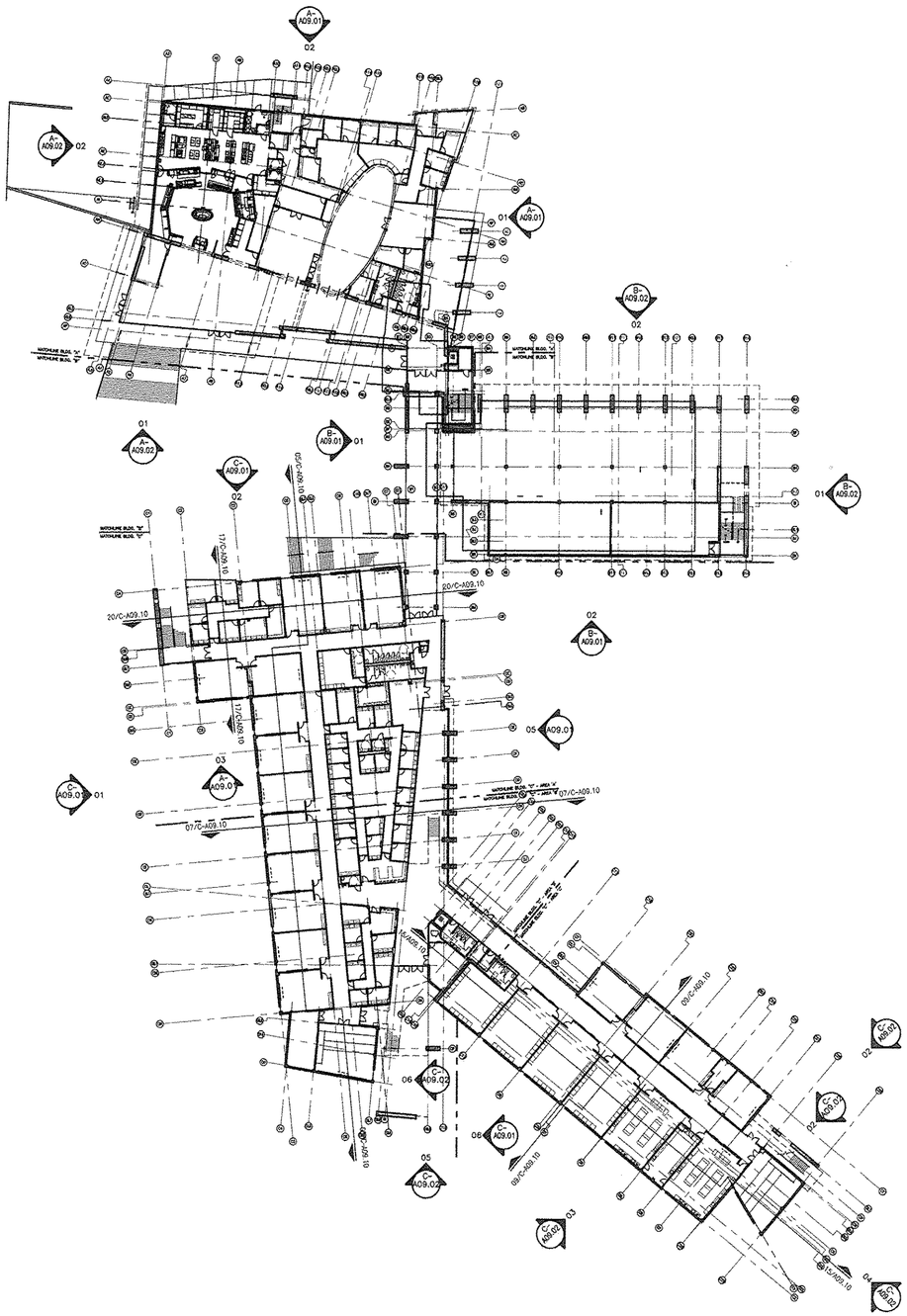
C-C00.00

True North
Ref. North

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BUILDINGS A, B & C - COMPOSITE PLAN, GROUND LEVEL 01
SCALE: 1"=30'-0"



BUILDINGS A, B & C - COMPOSITE PLAN, FIRST LEVEL 02
SCALE: 1"=30'-0"

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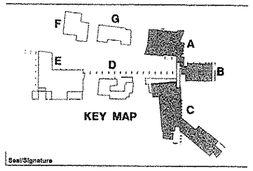
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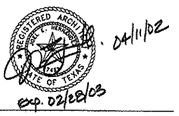
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CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDINGS A, B AND C
COMPOSITE PLAN, GRADE & 1ST LEVEL

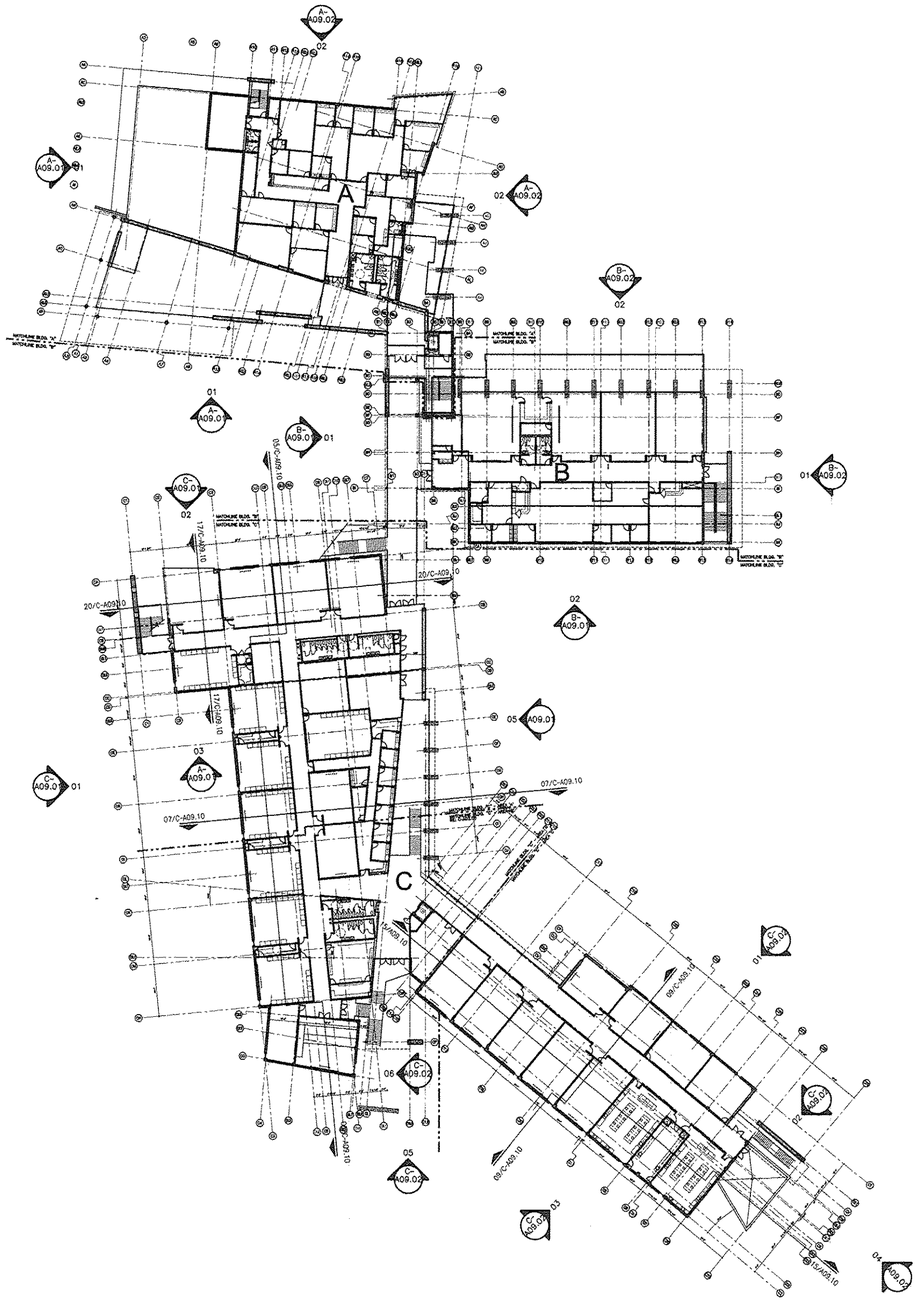
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BUILDINGS A, B & C - COMPOSITE PLAN, SECOND LEVEL 01
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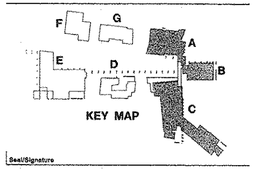
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Landscape Design
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	Issue	Date & Issue Description	By	Check
---	01	10.11.01 SCHEMATIC DESIGN & PRICING		
	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 80% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT
JAMES L. NEWMAN
STATE OF TEXAS
04/11/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDINGS A, B AND C
COMPOSITE PLAN, SECOND LEVEL

Scale
1" = 30'-0"

True North
Ref. North

C-A00.04

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ABBREVIATIONS

A

ACCES	ACCESSORY
ACOUS	ACOUSTIC(AL)
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ALT	ALTERNATE
ANNUNC	ANNUNCIATOR
ANOD	ANODIZED
APPL	APPLIANCE
ARCH	ARCHITECT(URAL)
AUTO	AUTOMATIC
AVG	AVERAGE
&	AND

B

BLDG	BUILDING
BOLLD	BOLLARD
BD	BOARD
BLKG	BLOCKING
BRDLM	BROADLOOM
BU	BUILT UP

C

CAB	CABINET
CPT	CARPET
CEM	CEMENT(ITIOUS)
CER	CERAMIC
CLG	CEILING
COATG	COATING
COR.G	COILING
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS(ATION)
CONTR	CONTRACT(OR)
COV	COVER
CMU	CONCRETE MASONRY UNIT

D

DBL	DOUBLE
DEPT	DEPARTMENT
DES	DESIGN(ED)
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DN	DOWN
$	DOLLAR (US CURRENCY)
DR	DOOR
DSCON	DISCONNECT
DWR	DRAWER

E

ELAST	ELASTOMERIC
ELEC	ELECTRICAL
EMBED	EMBED(DED)(ING)
ENGR	ENGINEER(ED)
ENTR	ENTRANCE
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP JT	EXPANSION JOINT
EXPS	EXPOSE(D)
EXT	EXTERIOR

F

FAB	FABRICATION
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FE&C	FIRE EXTINGUISHER AND CABINET
FHC	FIRE HOSE CABINET
FIN	FINISH
FLDG	FOLDING
FPLC	FIREPLACE
FR	FIRE RATING(ED)
FRMG	FRAMING
FXD	FIXED
FXTR	FIXTURE
FLR	FLOOR(ING)
FURN	FURNITURE
FWC	FABRIC WALL COVERING

G

GA	GAUGE
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GFRP	GLASS FIBER REINFORCED PLASTER
GL	GLASS
GR	GRAD(E)(ING)
GYP	GYPSUM

H

HD	HEAD
HDWD	HARDWOOD
HDWE	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING

I

INFO	INFORMATION
INSTRUM	INSTRUMENT(ATION)
INSUL	INSULATION
INTLK	INTERLOCK(ING)
INT	INTERIOR
INFILTR	INFILTRATION

J

JAN	JANITOR

K

KIT	KITCHEN

L

LAV	LAVATORY
LB	POUND
£	BRITISH POUND (CURRENCY)
LT	LIGHT
LVLG	LEVELING
LVR	LOUVER

M

MAX	MAXIMUM
MFD	MANUFACTURED
MFR	MANUFACTURER
MECH	MECHANICAL
MET	METAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLWK	MILLWORK
MOIST	MOISTURE
MOT	MOTOR(IZED)
MTD	MOUNTED

N

NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE

O

ORNA	ORNAMENTAL
OVFL	OVERFLOW
OVHD	OVERHEAD
OPNG	OPENING(S)
OPR	OPERABLE

P

PTN	PARTITION
PEDTR	PEDESTRIAN
PBD	PARTICLE BOARD
PNL	PANEL
POLYST	POLYSTYRENE
PORT	PORTABLE
PREFIN	PREFINISHED
PREFAB	PREFABRICATED
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLSTC	PLASTIC
PLYWD	PLYWOOD
PRTECN	PROTECTION

R

RDR	READER
RCES	RECESSED
RCPT	RECEPTACLE
REF	REFER(ENCE)
REFL	REFLECTED
REFR	REFRIGERATOR
REQD	REQUIRED
RESIS	RESIST(ANT)(IVE)
REINF	REINFORCE(D)(ING)(MENT)
RESIL	RESILIENT
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING

S

SCR	SCRIBE
SECUR	SECURITY
SF	SQUARE FEET
SGL	SINGLE
SHORG	SHORING
SIM	SIMILAR
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRFR	STOREFRONT
STRUCT	STRUCTURAL
SURF	SURFACE
SUSP	SUSPENDED
SYS	SYSTEM(S)

T

THK	THICK
TLT	TOILET
TRAF	TRAFFIC
TRANS	TRANSPARENT
TRTD	TREATED
T&G	TONGUE AND GROOVE
TYP	TYPICAL

U

UNDERLAY	UNDERLAYMENT
UTIL	UTILITY
UNO	UNLESS NOTED OTHERWISE

V

VEH	VEHICLE
VERT	VERTICAL
VIF	VERIFY IN FIELD

W

W/	WITH
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
W/O	WITHOUT
WT	WEIGHT
WTRPRF	WATERPROOFING

GRAPHIC SYMBOLS (CONT.)

ELEVATION INDICATIONS

- STONE
- BRICK/CONCRETE BLOCK
- FINISHED WOOD
- GLASS

SECTION INDICATIONS

- SAND OR GROUT
- EARTH OR NATURAL GROUND
- POROUS FILL (GRAVEL)
- STONE
- CONCRETE
- BRICK
- CONCRETE MASONRY UNIT
- METAL
- NON-FERROUS ALUMINUM
- PLYWOOD
- WOOD (FINISH)
- WOOD (CONTINUOUS)
- WOOD (BLOCKING) INTERRUPTED MEMBER
- INSULATION (LOOSE OR BATT)
- INSULATION (RIGID)
- GLASS (LARGE SCALE)
- GYPSUM BOARD
- PLASTER WITH LATH
- ACOUSTICAL TILE
- CARPET
- FABRIC WRAPPED PANEL

GRAPHIC SYMBOLS (CONT.)

REFLECTED CEILING

- ACOUSTICAL CEILING AND GRID
- MAIN RUNNER
- FLUORESCENT LIGHT FIXTURE
- NIGHT LIGHT/24 HR. CIRCUIT
- EXISTING TO BE REMOVED
- UNDER CABINET FLUORESCENT FIXTURE
- FLUORESCENT STRIP FIXTURE
- FLUORESCENT PENDANT FIXTURE
- CEILING HEIGHT CHANGE
- DIMENSION OF CEILING ABOVE FINISH FLOOR
- CEILING FINISH
- CEILING MOUNTED EXIT SIGN, SHOWS QUANTITY OF FACE(S) AND DIRECTION OF ARROW(S)
- RECESSED DOWNLIGHT
- ADJUSTABLE DOWNLIGHT
- RECESSED WALL WASHER
- TRACK LIGHTING
- SURFACE MOUNTED LIGHT FIXTURE
- WALL SCONCE
- EXHAUST FAN
- SMOKE DETECTOR
- STROBE
- FIRE SPRINKLER
- SPEAKER
- MOTION DETECTOR
- ACCESS DOOR
- SECURITY CAMERA
- THERMOSTAT
- LIGHT SWITCH
- DIMMER SWITCH
- PROJECTION SCREEN
- RETURN AIR
- SUPPLY AIR
- CIRCULAR DIFFUSER
- LINEAR DIFFUSER
- E — DENOTES EXISTING TO REMAIN
- R — DENOTES EXISTING, RELOCATED FIXTURE

FINISH

- WALL FINISH / BASE FINISH / EXTENT OF FINISH
- WALL FINISH / EXTENT OF FINISH
- WALL FINISH / WAINSCOT FINISH / BASE FINISH / EXTENT OF FINISH
- SPECIAL FINISH
- FLOOR FINISH
- CHANGE IN FLOOR FINISH

GRAPHIC SYMBOLS (CONT.)

POWER & COMMUNICATION

- WALL MOUNTED DUPLEX
- WALL MOUNTED FOURPLEX
- WALL MOUNTED DEDICATED DUPLEX
- WALL MOUNTED SEPARATE DUPLEX
- WALL MOUNTED DEDICATED FOURPLEX
- WALL MOUNTED HALF DEDICATED FOURPLEX
- WALL MOUNTED SPECIAL OUTLET
- WALL MOUNTED TELEPHONE RECEPTACLE
- WALL MOUNTED TELE/DATA RECEPTACLE
- WALL MOUNTED DATA RECEPTACLE
- AV — WALL MOUNTED A/V RECEPTACLE
- TV — WALL MOUNTED TV RECEPTACLE
- FLUSH FLOOR MOUNTED TELEPHONE RECEPTACLE
- FLUSH FLOOR MOUNTED TELE/DATA RECEPTACLE
- FLUSH FLOOR MOUNTED DATA RECEPTACLE
- FLUSH FLOOR MOUNTED DUPLEX
- FLUSHFLOOR MOUNTED FOURPLEX
- FLUSH FLOOR MOUNTED DEDICATED DUPLEX
- FLUSH FLOOR MOUNTED DEDICATED FOURPLEX
- FLUSH FLOOR MOUNTED SEPARATE DUPLEX
- FLUSH FLOOR MOUNTED SEPARATE FOURPLEX
- FLUSH FLOOR MOUNTED DUPLEX WITH TELE/DATA RECEPTACLE
- FLUSH FLOOR MOUNTED DEDICATED DUPLEX WITH TELE/DATA RECEPTACLE
- FLUSH FLOOR MOUNTED SEPARATE DUPLEX WITH TELE/DATA RECEPTACLE
- FLUSH FLOOR MOUNTED A/V RECEPTACLE
- FLUSH FLOOR MOUNTED TV RECEPTACLE
- POKE-THRU TEL. MONUMENT
- POKE-THRU TELE/DATA MONUMENT
- POKE-THRU DATA POWER MONUMENT
- POKE-THRU DUPLEX POWER MONUMENT
- POKE-THRU FOURPLEX POWER MONUMENT
- POKE-THRU DEDICATED DUPLEX POWER MONUMENT
- POKE-THRU DEDICATED FOURPLEX POWER MONUMENT
- POKE-THRU SEPARATE DUPLEX POWER MONUMENT
- POKE-THRU SEPARATE FOURPLEX POWER MONUMENT
- AV — POKE-THRU A/V MONUMENT
- TV — POKE-THRU TV MONUMENT
- FLUSH WALL MOUNTED POWER JUNCTION BOX WITH HARDWARE CONNECTION
- FLOOR POKE-THRU JUNCTION BOX WITH HARDWARE CONNECTION
- COMBINATION FLOOR POKE-THRU JUNCTION BOX WITH HARDWARE CONNECTION
- C — CARD READER
- D — INTERCOM DEVICE
- DR — DOOR RELEASE BUTTON
- B — DOOR BELL PUSH BUTTON
- DOOR BELL
- H — ELECTROMAGNETIC DOOR HOLD OPEN
- EL — ELECTRIC LOCKSET (SEE HARDWARE SCHEDULE)
- ML — MAGNETIC LOCK (SEE HARDWARE SCHEDULE)
- MS — SECURITY SYSTEM DOOR MONITOR CONTACT (SEE HARDWARE SCHEDULE)
- IA — INTRUSION ALARM (SEE SECURITY DRAWINGS)
- KS — KEY SWITCH (SEE SECURITY DRAWINGS)
- EQUIPMENT ITEM – SEE SCHEDULE
- PP — POWER POLE
- FS — FIRE WARDEN STATION
- FP — FIRE ALARM PULL BOX

GRAPHIC SYMBOLS

CONSTRUCTION

- 1 / A — COLUMN GRID
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- NEW PARTITION
- A — REFERENCE TO PARTITION TYPE
- 1 HR. RATED PARTITION
- 1 1/2 HR. RATED PARTITION
- 2 HR. RATED PARTITION
- 3 HR. RATED PARTITION
- 4 HR. RATED PARTITION
- SMOKE PARTITION
- EGRESS PATH PRIMARY
- EGRESS PATH SECONDARY
- ELEVATION DATUM POINT
- OFFICE / 04F06 — ROOM NAME / ROOM NUMBER
- XXXXX — DOOR NUMBER (WITH SCHEDULE)
- XXX / XXX — DOOR TYPE / HARDWARE GROUP
- XXXXX / XXXXX — DOOR NUMBER (WITHOUT SCHEDULE) / HARDWARE GROUP / DOOR TYPE
- ALIGN — ALIGN WITH ESTABLISHED SURFACES
- XX — SHEET NOTE
- REVISION REFERENCE
- LOCATION ON ROW WHERE SHOWN / DIRECTION OF ELEVATION / ROW ON ELEVATION SHEET WHERE SHOWN / SHEET WHERE SHOWN
- DETAIL NUMBER / SHEET WHERE SHOWN / DESCRIPTION OF SIMILAR OR OPPOSITE / FLOOR LEVEL AND AREA OF PHASE
- AREA TO BE DETAILED
- MILLWORK / MILLWORK SCHEDULE TAG (IF USED)
- FHC — FIRE HOSE CABINET
- FE — FIRE EXTINGUISHER WITHOUT CABINET
- FEC — FIRE EXTINGUISHER CABINET
- FV — FIRE VALVE WITHOUT CABINET
- FVC — FIRE VALVE CABINET

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Second Campus

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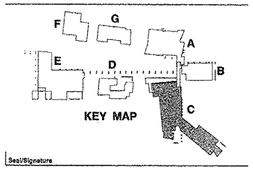
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ISSUE FOR
JUN 18 2002
CONSTRUCTION



KEY MAP

Seal/Signature

REGISTERED ARCHITECT — JAMES C. MARTIN — STATE OF TEXAS
04/11/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
ABBREVIATIONS AND
GENERAL NOTES

Scale
NO SCALE

True North
Ref. North

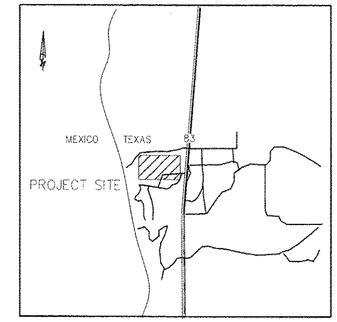
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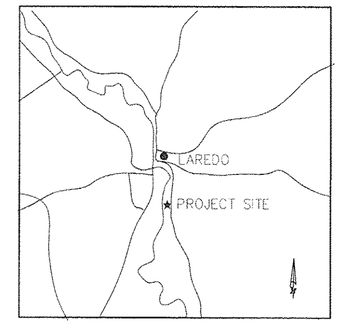
PROJECT INFORMATION

APPLICABLE CODES AND REGULATIONS:	2000 INTERNATIONAL BUILDING CODE 2000 INTERNATIONAL PLUMBING CODE 2000 INTERNATIONAL MECHANICAL CODE 2000 INTERNATIONAL ELECTRICAL CODE 2000 INTERNATIONAL FIRE CODE TEXAS ACCESSIBILITY STANDARDS
PROJECT LOCATION:	CORNER OF HIGHWAY 83 AND LOPE DE VEGA DRIVE SOUTH OF SANTA RITA SUBDIVISION LAREDO, TEXAS
BLOCK AND LOT NO.:	TRACT 1, CALLED 59.7167 ACRES WEBB COUNTY, LAREDO, TEXAS
ZONING:	--
OCCUPANCY TYPE:	
BUILDING AREA:	
CONSTRUCTION TYPE:	TYPE II-B NON RATED, FULLY SPRINKLERED
BEARING WALL - EXTERIOR	NR/NC
NON BEARING WALL - EXTERIOR	NR/NC
PARTITIONS - PERMANENT	1 HR UL DES. NO. U465
EXIT CORRIDORS	1 HR UL DES. NO. U465
STAIR ENCLOSURES	1 HR UL DES. NO. U465
SHAFT ENCLOSURES	1 HR UL DES. NO. U469
ELECTRICAL ROOMS	1 HR UL DES. NO. U465
PROJECT DATUM ELEVATION:	F.F. = 412'-0" AT FIRST FLOOR

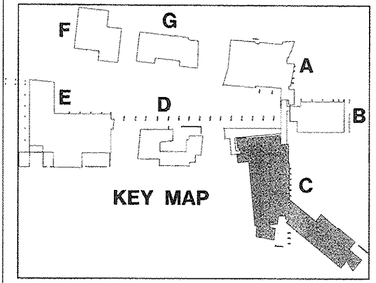
VICINITY MAP



LOCATION MAP



BUILDING KEY MAP



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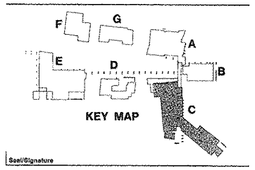
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JUN 1 8 2002
~~CONSTRUCTION~~



Seal/Signature

REGISTERED ARCHITECT
STATE OF TEXAS

04/11/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
SITE MAP AND
CODE REQUIREMENTS

Scale
NO SCALE

True North

Ref. North

C-A00.20

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WINDOW SCHEDULE BUILDING C- FIRST LEVEL AREA A

MARK	FRAME SIZE W x H	WNDW ELEV	FR MAT'L	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	REMARKS
C101	21'-4" X 9'-6"	6	ALUM.	———	2/T-A12.13	3/T-A12.13	
C101A	21'-4" X 9'-6"	6	ALUM.	———	14/C-A09.30	8/C-A09.30	
C101B	2'-7 1/2" X 27'-4"	7	ALUM.	———	2/T-A12.13	3/T-A12.13	
C101C	1'-11 3/4" x 8'-3 1/2"	9A	ALUM.	———	5/C-A09.30	———	
C101D	100'-3 1/2"	9	ALUM.	———	2/T-A12.13	3/T-A12.13	
C102	14'-3 1/2" x 9'-1 3/4"	4	ALUM.	———	7/T-A12.13	8/T-A12.13	
C109A	6'-0" X 23'-2"	11	ALUM.	———	7/T-A12.13	8/T-A12.13	
C110A	6'-0" X 23'-2"	11	ALUM.	———	7/T-A12.13	8/T-A12.13	
C111A	6'-0" X 23'-2"	11	ALUM.	———	7/T-A12.13	8/T-A12.13	
C117A	6'-0" X 23'-2"	11	ALUM.	———	7/T-A12.13	8/T-A12.13	
C118A	0'-8" X 32'-0"	12A	ALUM.	———	26/C-A9.30	———	
C119A	28'-4 3/4" X 32'-0"	12	ALUM.	———	2/T-A12.13	———	
C119B	28'-0" X 32'-0"	13	ALUM.	———	2/T-A12.13	———	
C123A	2'-8" X 8'-6"	4	ALUM.	———	2/C-A12.01	8/C-A12.01	
C123B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C123C	2'-8" X 8'-6"	4	ALUM.	———	2/C-A12.01	8/C-A12.01	
C123D	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C125A	2'-8" X 8'-6"	4	ALUM.	———	2/C-A12.01	8/C-A12.01	
C125B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C126A	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C126B	2'-8" X 8'-6"	4	ALUM.	———	2/C-A12.01	8/C-A12.01	
C127A	2'-8" X 8'-6"	4	ALUM.	———	2/C-A12.01	8/C-A12.01	
C127B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	

WINDOW SCHEDULE BUILDING C - FIRST LEVEL AREA B

C143	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	9/T-A12.12	10/T-A12.12	
C144	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	9/T-A12.12	10/T-A12.12	
C145	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	9/T-A12.12	10/T-A12.12	
C146	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	9/T-A12.12	10/T-A12.12	
C149A	2'-8" X 8'-6"	4	ALUM.	———	2/C-A12.01	8/C-A12.01	
C149B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C150A	2'-8" X 8'-6"	4	ALUM.	———	2/C-A12.01	8/C-A12.01	
C150B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C151A	2'-8" X 8'-6"	4	ALUM.	———	2/C-A12.01	8/C-A12.01	
C151B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C152A	2'-8" X 8'-6"	4	ALUM.	———	2/C-A12.01	8/C-A12.01	
C152B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C153A	2'-8" X 8'-6"	4	ALUM.	———	2/C-A12.01	8/C-A12.01	
C153B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C155A	6'-0" X 23'-2"	11	ALUM.	———	7/T-A12.13	8/T-A12.13	
C161	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	9/T-A12.12	10/T-A12.12	
C162	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	9/T-A12.12	10/T-A12.12	
C163	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	9/T-A12.12	10/T-A12.12	
C164A	18'-1" X 5'-2"	20	ALUM.	11/T-A12.12	9/T-A12.12	10/T-A12.12	
C164B	10'-9" X 5'-2"	17	ALUM.	11/T-A12.12	9/T-A12.12	10/T-A12.12	
C165A	10'-7" X 5'-2"	18	ALUM.	11/T-A12.12	9/T-A12.12	10/T-A12.12	
C165B	13'-10" X 5'-2"	19	ALUM.	11/T-A12.12	9/T-A12.12	10/T-A12.12	
C175A	95'-1 x 26'-3 1/2"	10	ALUM.	———	2/T-A12.13	3/T-A12.13	

WINDOW SCHEDULE BUILDING C - FIRST LEVEL AREA C

C181A	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C181B	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C181C	2'-8" X 2'-6"	5	ALUM.	1/C-A12.01	2/C-A12.01	9/C-A12.01	
C182A	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C182B	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C182C	2'-8" X 2'-6"	5	ALUM.	1/C-A12.01	2/C-A12.01	9/C-A12.01	
C183A	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C183B	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C183C	2'-8" X 2'-6"	5	ALUM.	1/C-A12.01	2/C-A12.01	9/C-A12.01	
C184A	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C184B	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C184C	2'-8" X 2'-6"	5	ALUM.	1/C-A12.01	2/C-A12.01	9/C-A12.01	
C185A	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C185B	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C185C	2'-8" X 2'-6"	5	ALUM.	1/C-A12.01	2/C-A12.01	9/C-A12.01	
C186B	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C187A	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C187B	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C187C	2'-8" X 2'-6"	5	ALUM.	1/C-A12.01	2/C-A12.01	9/C-A12.01	
C188A	6'-0" X 9'-0"	3	ALUM.	1/C-A12.01	2/C-A12.01	3/C-A12.01	
C188B	6'-0" X 9'-0"	3	ALUM.	1/C-A12.01	2/C-A12.01	3/C-A12.01	
C189A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C189B	2'-8" X 2'-6"	5	ALUM.	1/C-A12.01	2/C-A12.01	9/C-A12.01	
C190A	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C191A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C191B	2'-8" X 2'-6"	5	ALUM.	1/C-A12.01	2/C-A12.01	9/C-A12.01	
C192A	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C192B	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C193A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C193B	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C193C	2'-8" X 2'-6"	5	ALUM.	1/C-A12.01	2/C-A12.01	9/C-A12.01	
C194B	14'-0" X 9'-6"	16	ALUM.	———	2/T-A12.13	———	

LOUVER SCHEDULE BUILDING C - FIRST LEVEL

CL01	2'-8" x 8'-6"	21	ALUM.		5/C-A12.01	11/C-A12.01

DOOR SCHEDULE BUILDING C - FIRST LEVEL AREA A

MARK	DOOR SIZE W x H	DR ELEV	DR MATL	FRAME SIZE W x H	FR ELEV	FR MAT.	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	H.W.	FIRE RATING LABEL	REMARKS
C101	PR 3'-0" x 8'-0"	A	AL/GLS	21'-4" X 9'-6"	6	AL	-	2/T-A12.13	4/T-A12.13	1		
C101A	PR 3'-0" x 8'-0"	A	AL/GLS	21'-4" X 9'-6"	6	AL	-	2/T-A12.13	4/T-A12.13	2		
C101B	PR 3'-0" x 8'-0"	A	AL/GLS	24'-0" X 9'-6"	8	AL	-	2/T-A12.13	4/T-A12.13	2		
C102	PR 3'-0" x 8'-0"	A	AL/GLS	6'-4" X 9'-6"	15	AL	7/A-A12.01	10/A-A12.01	18/A-A12.01	1		
C103	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	12		
C104	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	6		
C105	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	6		
C106	PR 3'-0" x 7'-0"	V	S.C.W.D.	6'-3" x 7' 1-1/2"	2	AL	-	5/T-A12.12	6/T-A12.12	29	60 MIN.	
C107	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	9		
C107A	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	9		
C108	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	10		
C108A	3'-0" x 7'-0"	P	S.C.P.L.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	9		
C109	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C110	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C111	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C112	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	10		
C113	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C114	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C115	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C116	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C117	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C118	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C119	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C120	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C121	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C123	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C124	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C125	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C126	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C127	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C128	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	11		
C129	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	26		
C130	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C131	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C132	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C133	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C134	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C135	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C136	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C137	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C138	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	15		
C139	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	15		
C140	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C141	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C143	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C144	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C145	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C146	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		

DOOR SCHEDULE BUILDING C - FIRST LEVEL - AREA B

C149	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C150	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C151	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C152	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C153	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C154	PR 3'-0" x 7'-0"	V	S.C.W.D.	6'-3" x 7' 1-1/2"	2	AL	-	5/T-A12.12	6/T-A12.12	29	60 MIN.	
C155	PR 3'-0" x 7'-0"	U	S.C.W.D.	6'-3" x 7' 1-1/2"	2	AL	-	5/T-A12.12	6/T-A12.12	17		
C156	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C157	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C158	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C158A	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C159	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C160	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C161	3'-0" x 7'-0"	P	S.C.W.D.	3'-3"- X 7'-1 1/2'	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C162	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" X 7'-1 1/2"	3	AL	-	5/T-A12.12	6/T-A12.12	5		
C163	3'-0" x 7'-0"	P	S.C.W.D.	4'-8" x 8'-8"	4	AL	-	5/T-A12.12	6/T-A12.12	5		
C164	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	26		
C164A	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	26		
C164B	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	26		
C165	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	10		
C166	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C167	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C168	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C169	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C170	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	10		
C171	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C172	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C173	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C174	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C175	PR 3'-0" x 8'-0"	A	AL/GLS.	10'-0" X 9'-6"	15A	AL	-	10/A-A12.01	18/A-A12.01	1		
C175A	PR 3'-0" x 8'-0"	A	AL/GLS.	95'-1" X 26'-3 1/2"	10	AL	-	2/T-A12.13	3/T-A12.13	1		
C175B	PR 3'-0" x 8'-0"	A	AL/GLS.	95'-1" X 26'-3 1/2"	10	AL	-	2/T-A12.13	3/T-A12.13	1		
C175C	PR 3'-0" x 8'-0"	A	AL/GLS.	19'-2" X 9'-6"	14	AL	-	10/A-A12.01	18/A-A12.01	1		
C175D	PR 3'-0" x 8'-0"	A	AL/GLS.	19'-2" X 9'-6"	14	AL	-	10/A-A12.01	18/A-A12.01	1		
C176	PR 3'-0" x 7'-0"	V	S.C.W.D.	6'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	29	60 MIN.	
C176A	3'-0" x 7'-0"	Q	S.C.W.D.	3'-4" x 7'-2"	1	AL	-	5/T-A12.12	6/T-A12.12	29		
C178	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	6		
C179	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	11		

DOOR SCHEDULE BUILDING C - FIRST LEVEL - AREA C

MARK	DOOR SIZE W x H	DR ELEV	DR MATL	FRAME SIZE W x H	FR ELEV	FR MAT.	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	H.W.	FIRE RATING LABEL	REMARKS
C180	3'-0" x 7'-0"	P	S.C.P.L.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	6		
C181	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C182	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C182A	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C183	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C183A	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C184	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C184A	PR 3'-0" x 7'-0"	P	S.C.W.D.	6'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C185	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C185A	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C186	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	10		
C186A	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C186B	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C187	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C187A	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C188	PR 3'-0" x 7'-0"	U	S.C.W.D.	6'-3" x 7' 1-1/2"	2	AL	-	5/T-A12.12	6/T-A12.12	17		
C189	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C190	4'-0" x 7'-0"	Q	S.C.W.D.	4'-3" x 7' 1-1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	11		
C191	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C192	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C193	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7' 1-1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C194	PR 3'-0" x 8'-0"	A	AL/GLS.	14'-0" X 9'-6"	16	AL	-	4/T-A12.13	5/T-A12.13	9A		

BLDG. C., DOOR AND WINDOW SCHEDULE - FIRST LEVEL **01**
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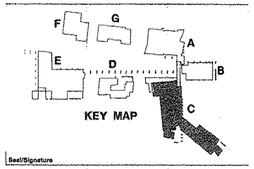
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	Issue	Date & Issue Description	By	Check
---	01	10.11.01 SCHEMATIC DESIGN & PRICING		
	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		
06		05.07.02 ADDENDUM NO. 3		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature



WINDOW SCHEDULE BUILDING C - SECOND LEVEL - AREA A

MARK	FRAME SIZE W x H	WNDW ELEV	FR MAT'L	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	REMARKS
C201A	21'-4" X 9'-6"	6	ALUM.	———	2/T-A12.13	3/T-A12.13	
C210	6'-0" X 23'-2"	11	ALUM.	———	7/T-A12.13	8/T-A12.13	
C210A	6'-0" X 23'-2"	11	ALUM.	———	7/T-A12.13	8/T-A12.13	
C212A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C212B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C215A	4'-0" X 4'-1 1/2"	3A	ALUM.	11/T-A12.12	10/T-A12.12	9/T-A12.12	
C215B	4'-0" X 4'-1 1/2"	3A	ALUM.	11/T-A12.12	10/T-A12.12	9/T-A12.12	
C217A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C217B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C219A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C219B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C220A	4'-8" X 4'-1 1/2"	3A	ALUM.	11/T-A12.12	10/T-A12.12	9/T-A12.12	
C226	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	10/T-A12.12	9/T-A12.12	
C227	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	10/T-A12.12	9/T-A12.12	
C228	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	10/T-A12.12	9/T-A12.12	
C231	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	10/T-A12.12	9/T-A12.12	
C232	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	10/T-A12.12	9/T-A12.12	
C237A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C237B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	

WINDOW SCHEDULE BUILDING C - SECOND LEVEL - AREA B

MARK	FRAME SIZE W x H	WNDW ELEV	FR MAT'L	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	REMARKS
C233	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	10/T-A12.12	9/T-A12.12	
C234	2'-2" X 9'-0"	3	ALUM.	11/T-A12.12	10/T-A12.12	9/T-A12.12	
C239A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C239B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C240A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C240B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C242A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C242B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C243A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	

WINDOW SCHEDULE BUILDING C - SECOND LEVEL - AREA C

MARK	FRAME SIZE W x H	WNDW ELEV	FR MAT'L	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	REMARKS
C256A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C256B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C256C	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C257A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C257B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C257C	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C258A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C258B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C258C	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C259A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C259B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C259C	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C260A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C260B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C260C	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C261A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C261B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C263A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C263B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C264A	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C264B	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C264C	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C265A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C265B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C266A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C266B	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	
C266C	0'-8" X 8'-6"	4A	ALUM.	———	2/C-A12.01	8/C-A12.01	
C267A	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C267B	2'-8" X 8'-6"	4	ALUM.	1/C-A12.01	2/C-A12.01	8/C-A12.01	
C267C	2'-8" X 2'-6"	5	ALUM.	———	2/C-A12.01	9/C-A12.01	

DOOR SCHEDULE BUILDING C - SECOND LEVEL - AREA A

MARK	DOOR SIZE W x H	DR ELEV	DR MATL	FRAME SIZE W x H	FR ELEV	FR MATL	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	H.W.	FIRE RATING LABEL	REMARKS
C201	PR 3'-0" x 8'-0"	A	AL/GLS.	21'-4" X 9'-6"	6	AL	-	2/T-A12.13	3/T-A12.13	1		
C201A	PR 3'-0" x 8'-0"	A	AL/GLS.	21'-4" X 9'-6"	6	AL	-	2/T-A12.13	3/T-A12.13	2		
C202	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	11		
C203	PR 3'-0" x 7'-0"	V	S.C.W.D.	6'-3" x 7'-1 1/2"	2	AL	-	5/T-A12.12	6/T-A12.12	29	60 MIN.	
C204	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	11		
C205	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	6		
C206	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	6		
C207	PR 3'-0" x 8'-0"	A	AL/GLS.	6'-4" X 9'-6"	15	AL	7/C-A12.01	10/C-A12.01	18/C-A12.01	1		
C208	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C209	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C210	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C211	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C212	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	10		
C213	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	11		
C214	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C214A	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C215	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	10		
C217	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C218	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C218A	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C219	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C220	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	10		
C221	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	10		
C222	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C222A	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C223	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	26		
C224	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C225	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C226	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C227	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C228	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C230	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	9		

DOOR SCHEDULE BUILDING C - SECOND LEVEL - AREA B

MARK	DOOR SIZE W x H	DR ELEV	DR MATL	FRAME SIZE W x H	FR ELEV	FR MATL	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	H.W.	FIRE RATING LABEL	REMARKS
C231	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C232	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C233	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C234	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	5		
C235	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	26		
C236	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C237	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C238	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C238A	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C239	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C240	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C241	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C241A	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C242	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C243	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	10		
C244	PR 3'-0" x 7'-0"	U	S.C.W.D.	6'-3" x 7'-1 1/2"	2	AL	-	5/T-A12.12	6/T-A12.12	17		
C245	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C245A	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C246	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	10		
C247	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	11		
C247A	3'-0" X 7'-0"	q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C248	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	11		
C249	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	6		
C250	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	6		
C251	PR 3'-0" x 8'-0"	A	AL/GLS.	10'-0" X 9'-6"	15A	AL	-	10/A-A12.01	18/A-A12.01	1		
C252	PR 3'-0" x 8'-0"	A	AL/GLS	19'-2" X 9'-6"	14	AL	-	10/A-A12.01	18/A-A12.01	1		
C252A	PR 3'-0" x 8'-0"	A	AL/GLS	19'-2" X 9'-6"	14	AL	-	10/A-A12.01	18/A-A12.01	1		
C254	PR 3'-0" x 7'-0"	V	S.C.W.D.	6'-3" x 7'-1 1/2"	2	AL	-	5/T-A12.12	6/T-A12.12	29	60 MIN.	
C255	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	11		

DOOR SCHEDULE BUILDING C - SECOND LEVEL - AREA C

MARK	DOOR SIZE W x H	DR ELEV	DR MATL	FRAME SIZE W x H	FR ELEV	FR MATL	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	H.W.	FIRE RATING LABEL	REMARKS
C256	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C257	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C258	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C259	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C260	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C261	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C261A	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C262	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C262A	3'-0" x 7'-0"	Q	S.C.P.L.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C262B	3'-0" x 7'-0"	Q	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	7		
C263	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C263A	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C264	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	10		
C265	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1	AL	-	5/T-A12.12	6/T-A12.12	10		
C266	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C267	3'-0" x 7'-0"	P	S.C.W.D.	3'-3" x 7'-1 1/2"	1A	AL	-	5/T-A12.12	6/T-A12.12	10		
C268	PR 3'-0" x 8'-0"	A	AL/GLS.	14'-0" X 9'-6"	15	AL	1/C-A12.01	10/C-A12.01	18/C-A12.01	30		
C268A	PR 3'-0" x 8'-0"	A	AL/GLS.	6'-3" x 7'-2"	1	AL	-	10/C-A12.01	18/C-A12.01	1		

BLDG. C., DOOR AND WINDOW SCHEDULE - SECOND LEVEL 01

SCALE: N.T.S.

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Food Service Consultant
Frank Clements Associates, Inc.
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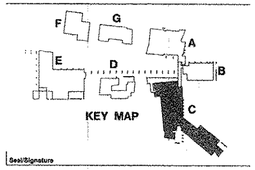
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1202 Houston St. Suite 200
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Security Consultant
HMA Consulting, Inc.
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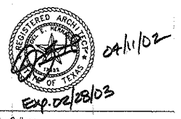
Landscape Design
SLA Studio Land
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	Issue	Date & Issue Description	By	Check
—	01	10.11.01 SCHEMATIC DESIGN & PRICING		
	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		
3	06	05.29.02 ADDENDUM NO. 3		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature



04/11/02
Exp. 08/08/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
DOOR AND WINDOW SCHEDULE
BUILDING C - SECOND LEVEL

Scale
NO SCALE

C-A00.30A

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FINISH SCHEDULE BUILDING C - FIRST LEVEL - AREA 'A'

RM. NO.	ROOM NAME	FLOOR: CARPET	V.C.T.	TERRAZZO	GYM FLOOR	2"x2" CERAMIC TILE	SEALED CONCRETE	QUARRY TILE	STAINED CONCRETE	BASE: CONCRETE	RESILIENT BASE	CERAMIC TILE COVE	WOOD	QUARRY TILE	GLAZED TILE	WALL: FACE BRICK	CMU-PAINTED	WOOD PANELING	CMU-EPOXY PAINT	CERAMIC TILE	GYP. BD.-PAINT	CERAMIC TILE @ 5'-0"	GLAZING	CEILING: 2'x2' LAY IN TYPE 'A'	2'x2' LAY IN TYPE 'B'	GYP. BD.-PAINT	PLASTER	EXPOSED STRUCT.	CEILING HEIGHT	REMARKS
C101	ENTRY		●						●		●												●	●					VARIES	(1)(2)	
C101A	HALLWAY		●						●		●												●	●					VARIES	(1)(2)	
C102	HALLWAY								●		●												●	●					9'-4"	(1)(2)	
C103	CUSTODIAN					●					●											●		●						9'-4"	
C104	WOMENS						●			●										●						●				9'-4"	
C105	MENS						●			●										●						●				9'-4"	
C106	MECHANICAL							●			●										●								●	9'-4"	
C107	A/V STORAGE		●								●										●			●						9'-4"	
C108	RESOURCE CENTER		●								●										●			●						9'-4"	
C108A	STUDENT TEACHER SUP.						●				●										●			●						9'-4"	
C109	CHILD DEV CLASSRM LAB		●								●										●			●						9'-4"	
C110	CHILD DEV CLASSRM LAB		●								●										●			●						9'-4"	
C111	CHILD DEV CLASSRM LAB		●								●										●			●						9'-4"	
C112	HALLWAY	●									●										●			●						9'-4"	
C113	OFFICE	●									●										●			●						9'-4"	
C114	WORKROOM		●								●										●			●						9'-4"	
C115	FILE / STORAGE		●								●										●			●						9'-4"	
C116	OFFICE	●									●										●			●						9'-4"	
C117	OFFICE	●									●										●			●						9'-4"	
C118	OFFICE	●									●										●			●						9'-4"	
C119	DEPT. CHAIR OFFICE	●									●										●			●						9'-4"	
C120	OFFICE	●									●										●			●						9'-4"	
C121	DEPT. CHAIR OFFICE	●									●										●			●						9'-4"	
C122	HALLWAY								●		●										●			●						9'-4"	
C123	CHILD DEV CLASSRM LAB		●								●										●			●						9'-4"	
C124	GENERAL CLASSROOM		●								●										●			●						9'-4"	
C125	GENERAL CLASSROOM		●								●										●			●						9'-4"	
C126	GENERAL CLASSROOM		●								●										●			●						9'-4"	
C127	GENERAL CLASSROOM		●								●										●			●						9'-4"	
C128	IDF					●					●										●			●						9'-4"	
C129	HALLWAY	●									●										●			●						9'-4"	
C129A	HALLWAY	●									●										●			●						9'-4"	
C130	FAC. WK / MAIL ROOM		●								●										●			●						9'-4"	
C131	OFFICE	●									●										●			●						9'-4"	
C132	OFFICE	●									●										●			●						9'-4"	
C133	OFFICE	●									●										●			●						9'-4"	
C134	OFFICE	●									●										●			●						9'-4"	
C135	OFFICE	●									●										●			●						9'-4"	
C136	OFFICE	●									●										●			●						9'-4"	
C137	OFFICE	●									●										●			●						9'-4"	
C138	WOMENS				●					●										●			●						9'-4"	
C139	MENS				●					●										●			●						9'-4"	
C140	OFFICE	●									●										●			●						9'-4"	
C141	OFFICE	●									●										●			●						9'-4"	
C142	A&S ADMIN WK STATIONS	●									●										●			●						9'-4"	
C143	OFFICE	●									●										●			●						9'-4"	
C144	OFFICE	●									●										●			●						9'-4"	
C145	OFFICE	●									●										●			●						9'-4"	
C146	OFFICE	●									●										●			●						9'-4"	
C148	HALLWAY	●									●										●			●						9'-4"	
C158A	CUSTODIAN					●					●										●			●						8'-0"	

FINISH SCHEDULE BUILDING C - FIRST LEVEL - AREA 'B'

RM. NO.	ROOM NAME	FLOOR: CARPET	V.C.T.	TERRAZZO	RUBBER FLOOR	2"x2" CERAMIC TILE	SEALED CONCRETE	QUARRY TILE	STAINED CONCRETE	BASE: CONCRETE	RESILIENT BASE	CERAMIC TILE COVE	WOOD	QUARRY TILE	GLAZED TILE	WALL: FACE BRICK	CMU-PAINTED	WOOD PANELING	CMU-EPOXY PAINT	CERAMIC TILE	GYP. BD.-PAINT	GLAZING	CEILING: 2'x2' LAY IN TYPE 'A'	2'x2' LAY IN TYPE 'B'	GYP. BD.-PAINT	PLASTER	EXPOSED STRUCT.	CEILING HEIGHT	REMARKS
C149	GENERAL CLASSROOM		●							●											●		●					9'-4"	
C150	GENERAL CLASSROOM		●							●											●		●					9'-4"	
C151	GENERAL CLASSROOM		●							●											●		●					9'-4"	
C152	GENERAL CLASSROOM		●							●											●		●					9'-4"	
C153	GENERAL CLASSROOM		●							●											●		●					9'-4"	
C154	MECHANICAL						●			●											●						●	9'-4"	
C155	LECTURE HALL	●				●				●											●		●					VARIES	(2)
C156	OFFICE	●								●											●		●					9'-4"	
C157	OFFICE	●								●											●		●					9'-4"	
C158	ADJ. FACULTY WKRM.		●							●											●		●					9'-4"	
C159	OFFICE	●								●											●		●					9'-4"	
C160	OFFICE	●								●											●		●					9'-4"	
C161	OFFICE	●								●											●		●					9'-4"	
C162	OFFICE	●								●											●		●					9'-4"	
C163	OFFICE	●								●											●		●					9'-4"	
C164	RECEPTION	●								●											●		●					9'-4"	
C164A	HALLWAY	●								●											●		●					9'-4"	
C164B	HALLWAY	●								●											●		●					9'-4"	
C165	RECEPTION	●								●											●		●					9'-4"	
C166	ADMIN. OFFICE	●								●											●		●					9'-4"	
C167	FILE ROOM		●							●											●		●					9'-4"	
C168	FACULTY OFFICE	●								●											●		●					9'-4"	
C169	FACULTY OFFICE	●								●											●		●					9'-4"	
C170	HALLWAY	●								●											●		●					9'-4"	
C171	FACULTY OFFICE	●								●											●		●					9'-4"	
C172	FACULTY OFFICE	●								●											●		●					9'-4"	
C173	WORKROOM		●							●											●		●					9'-4"	
C174	ADMIN. STAFF	●								●											●		●					9'-4"	
C175	ENTRY						●		●	●											●	◔	●					9'-4"	(1)(2)
C175A	HALLWAY					●			●	●											●	◔	●					VARIES	(1)(2)
C175B	ENTRY					●			●	●											●	◔	●					VARIES	(1)(2)
C175C	ENTRY					●			●	●											●	◔	●					VARIES	(1)(2)
C175D	HALLWAY					●			●	●											●	◔	●					VARIES	(1)(2)
C176	MECHANICAL						●			●											●						●	9'-4"	
C176A	MACHINE ROOM						●			●											●						●	9'-4"	
C177	ELEVATOR																											9'-4"	
C178	WOMENS					●					●										●				●			8'-6"	
C179	STORAGE		●								●										●		●		●			8'-6"	

FINISH SCHEDULE BUILDING C - FIRST LEVEL - AREA 'C'

C180	MEN				●				●					●						●					●			8'-6"	
C181	LANGUAGE LAB		●						●					●						●				●	●			9'-4"	
C182	GENERAL LAB		●						●					●						●				●	●			9'-4"	
C183	GENERAL LAB		●						●					●						●				●	●			9'-4"	
C184	GENERAL LAB		●						●					●						●				●	●			9'-4"	
C185	GEN. SCIENCE LAB		●						●					●						●				●	●			9'-4"	
C186	PREP. ROOM		●						●					●						●				●	●			9'-4"	
C187	GEN. SCIENCE LAB		●						●					●						●				●	●			9'-4"	
C188	LECTURE HALL	●			●				●					●						●				●	●			VARIES	(2)
C189	GENERAL CLASSROOM		●						●					●						●				●	●			9'-4"	
C190	MECHANICAL						●							●						●							●	9'-4"	
C191	GENERAL CLASSROOM		●						●					●						●				●	●			9'-4"	
C192	GENERAL CLASSROOM		●						●					●						●				●	●			9'-4"	
C193	GENERAL CLASSROOM		●						●					●						●				●	●			9'-4"	
C194	HALLWAY							●	●											●				●	●			9'-4"	

REMARKS LEGEND

1. REFERENCE SHEET A_____ FOR FLOOR PATTERN
2. REFERENCE REFLECTED CEILING PLANS FOR CEILING HEIGHT, CEILING MATERIAL AND CEILING PATTERN
3. REFERENCE INTERIOR ELEVATION FOR LIMITS OF WALL FINISH MATERIAL AND PATTERN
4. REFERENCE SPECIFICATIONS, SECTION _____ FOR FLOOR, CEILING AND WALL FINISHES
5. REFERENCE ENLARGED PLAN OF SHOWER FOR FINISHES

A. All of the rooms in Building C that indicate carpet are to receive carpet type C-3.

BLDG. C, ROOM FINISH SCHEDULE - FIRST LEVEL, AREAS A,B,C 01

SCALE: N.T.S.

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Second Campus

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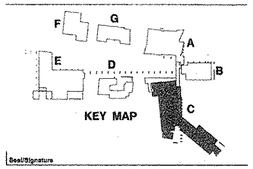
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△	Issue	Date & Issue Description	By	Check
---	01	10.11.01		
		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		
1		06.25.02		
		ADDENDUM NO.7		

SUBMITTAL

ISSUE FOR
JUNE 27, 2002
CONSTRUCTION



Seal/Signature



04/11/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
ROOM FINISH SCHEDULE
BUILDING C, FIRST LEVEL, AREAS A,B,C

Scale
NO SCALE

C-A00.31

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FINISH SCHEDULE BUILDING C - SECOND LEVEL - AREA 'A'

RM. NO.	ROOM NAME	FLOOR: CARPET	V.C.T.	TERRAZZO	GYM. FLOOR	2"x2" CERAMIC TILE	SEALED CONCRETE	QUARRY TILE	STAINED CONCRETE	CONCRETE	BASE: RESILIENT BASE	CERAMIC TILE COVE	WOOD	QUARRY TILE	GLAZED TILE	WALL: FACE BRICK	CMU-PAINTED	WOOD PANELING	CMU-EPOXY PAINT	CERAMIC TILE	GYP.BD.-PAINT	CERAMIC TILE @ 5'-0"	GLAZING	CEILING: 2'x2' LAY IN TYPE 'A'	2'x2' LAY IN TYPE 'B'	GYP. BD.-PAINT	PLASTER	EXPOSED STRUCT.	CEILING HEIGHT	REMARKS
C201	ENTRY								●		●												◔						VARIES	(1)(2)
C202	MDF	●									●													●						9'-0"	
C203	MECHANICAL	●									●										●								●	-	
C204	JANITOR						●				●													●						8'-0"	
C205	MENS				●							●								●						●				9'-4"	
C206	WOMENS				●							●								●						●				9'-4"	
C207	HALLWAY		●								●										●			●						9'-4"	
C208	CIS COMPUTER LAB		●								●										●			●						9'-4"	
C209	CIS COMPUTER LAB		●								●										●			●						9'-4"	
C210	CIS COMPUTER LAB		●								●										●			●						9'-4"	
C211	CIS COMPUTER LAB		●								●										●			●						9'-4"	
C212	CET LAB		●								●										●			●						9'-4"	
C213	CUSTODIAN						●				●										●			●						8'-0"	
C214	STORAGE		●								●										●			●						9'-4"	
C215	WKRM TECH SUPPORT		●								●										●			●						9'-4"	
C216	CORRIDOR		●								●										●			●						9'-4"	
C217	CET LAB		●								●										●			●						9'-4"	
C218	STORAGE		●								●										●			●						9'-4"	
C219	CET LAB		●								●										●			●						9'-4"	
C220	TUTORIAL		●								●										●			●						9'-0"	
C221	CET LAB		●								●										●			●						9'-4"	
C222	STORAGE		●								●										●			●						9'-4"	
C223	HALLWAY	●									●										●			●						9'-4"	
C224	O.E. CLASSROOM		●								●										●			●						9'-4"	
C225	FAC. OFFICE	●									●										●			●						9'-4"	
C226	FAC. OFFICE	●									●										●			●						9'-4"	
C227	FAC. OFFICE	●									●										●			●						9'-4"	
C228	FAC. OFFICE	●									●										●			●						9'-4"	
C229	HALLWAY	●									●										●			●						9'-4"	

FINISH SCHEDULE BUILDING C - SECOND LEVEL - AREA 'B'

RM. NO.	ROOM NAME	FLOOR: CARPET	V.C.T.	TERRAZZO	RUBBER FLOOR	2"x2" CERAMIC TILE	SEALED CONCRETE	QUARRY TILE	STAINED CONCRETE	CONCRETE	BASE: RESILIENT BASE	CERAMIC TILE COVE	QUARRY TILE	GLAZED TILE	FACE BRICK	CMU-PAINTED	WOOD PANELING	CMU-EPOXY PAINT	CERAMIC TILE	GYP.BD.-PAINT	CERAMIC TILE @ 5'-0"	GLAZING	CEILING: 2'x2' LAY IN TYPE 'A'	2'x2' LAY IN TYPE 'B'	GYP. BD.-PAINT	PLASTER	EXPOSED STRUCT.	CEILING HEIGHT	REMARKS
C230	AEC FILE / STORAGE		●								●										●			●						9'-4"	
C231	FAC. OFFICE	●									●										●			●						9'-4"	
C232	AEC ADMIN. STAFF	●									●										●			●						9'-4"	
C233	AEC ADMIN. STAFF	●									●										●			●						9'-4"	
C234	FAC. OFFICE	●									●										●			●						9'-4"	
C235	RECEPTION	●									●										●			●						9'-4"	
C236	GENERAL CLASSROOM		●								●										●			●						9'-4"	
C237	CET LAB		●								●										●			●						9'-4"	
C238	STORAGE		●								●										●			●						9'-4"	
C239	CET LAB		●								●										●			●						9'-4"	
C240	CET LAB		●								●										●			●						9'-4"	
C241	STORAGE		●								●										●			●						9'-4"	
C242	CET LAB		●								●										●			●						9'-4"	
C243	CONFERENCE SEMINAR	●									●										●			●						9'-4"	(2)
C244	LECTURE HALL	●			●						●										●			●						VARIES	(2)
C245	EQUIPMENT STORAGE		●								●										●			●						9'-4"	
C246	D.E. INSTRUCTION		●								●										●			●						9'-4"	
C247	JANITOR						●				●										●	●								8'-0"	
C247A	STORAGE						●				●										●			●						9'-4"	
C248	STORAGE						●				●										●			●						9'-4"	
C249	WOMENS					●						●								●						●				9'-4"	
C250	MENS					●						●								●						●				9'-4"	
C251	HALLWAY		●					●			●										●			●						9'-4"	
C251A	HALLWAY		●					●			●										●			●						VARIES	(1)(2)
C252	ENTRY		●					●			●											◔		●						VARIES	(1)(2)
C253	ELEVATOR																													-	
C254	MECHANICAL						●				●										●								●	9'-4"	
C255	IDF						●				●										●			●						9'-4"	

FINISH SCHEDULE BUILDING C - SECOND LEVEL - AREA 'C'

C256	GENERAL CLASSROOM		●								●										●			●						9'-4"	
C257	COMPUTER LAB		●								●										●			●						9'-4"	
C258	COMPUTER LAB		●								●										●			●						9'-4"	
C259	COMPUTER LAB		●								●										●			●						9'-4"	
C260	COMPUTER LAB		●								●										●			●						9'-4"	
C261	CHEMISTRY LAB		●								●										●			●						9'-4"	
C262	PREPERATION ROOM		●								●										●			●						9'-4"	
C263	MICROBIOLOGY LAB		●								●										●			●						9'-4"	
C264	LANGUAGE LAB		●								●										●			●						9'-4"	
C265	LANGUAGE LAB		●								●										●			●						9'-4"	
C266	GENERAL CLASSROOM		●								●										●			●						9'-4"	
C267	GENERAL CLASSROOM		●								●										●			●						9'-4"	
C268	HALLWAY								●		●										●			●						9'-4"	

REMARKS LEGEND

1. REFERENCE SHEET A_____ FOR FLOOR PATTERN
2. REFERENCE REFLECTED CEILING PLANS FOR CEILING HEIGHT, CEILING MATERIAL AND CEILING PATTERN
3. REFERENCE INTERIOR ELEVATION FOR LIMITS OF WALL FINISH MATERIAL AND PATTERN
4. REFERENCE SPECIFICATIONS, SECTION _____ FOR FLOOR, CEILING AND WALL FINISHES
5. REFERENCE ENLARGED PLAN OF SHOWER FOR FINISHES

ROOM FINISH SCHEDULE, BLDG. C, SECOND LEVEL, AREA A,B,C 01

SCALE: N.T.S.

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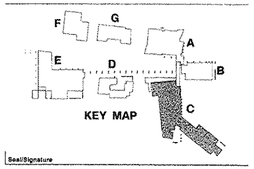
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--	10.11.01 SCHEMATIC DESIGN & PRICING		
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03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

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CONSTRUCTION



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04/11/02

Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

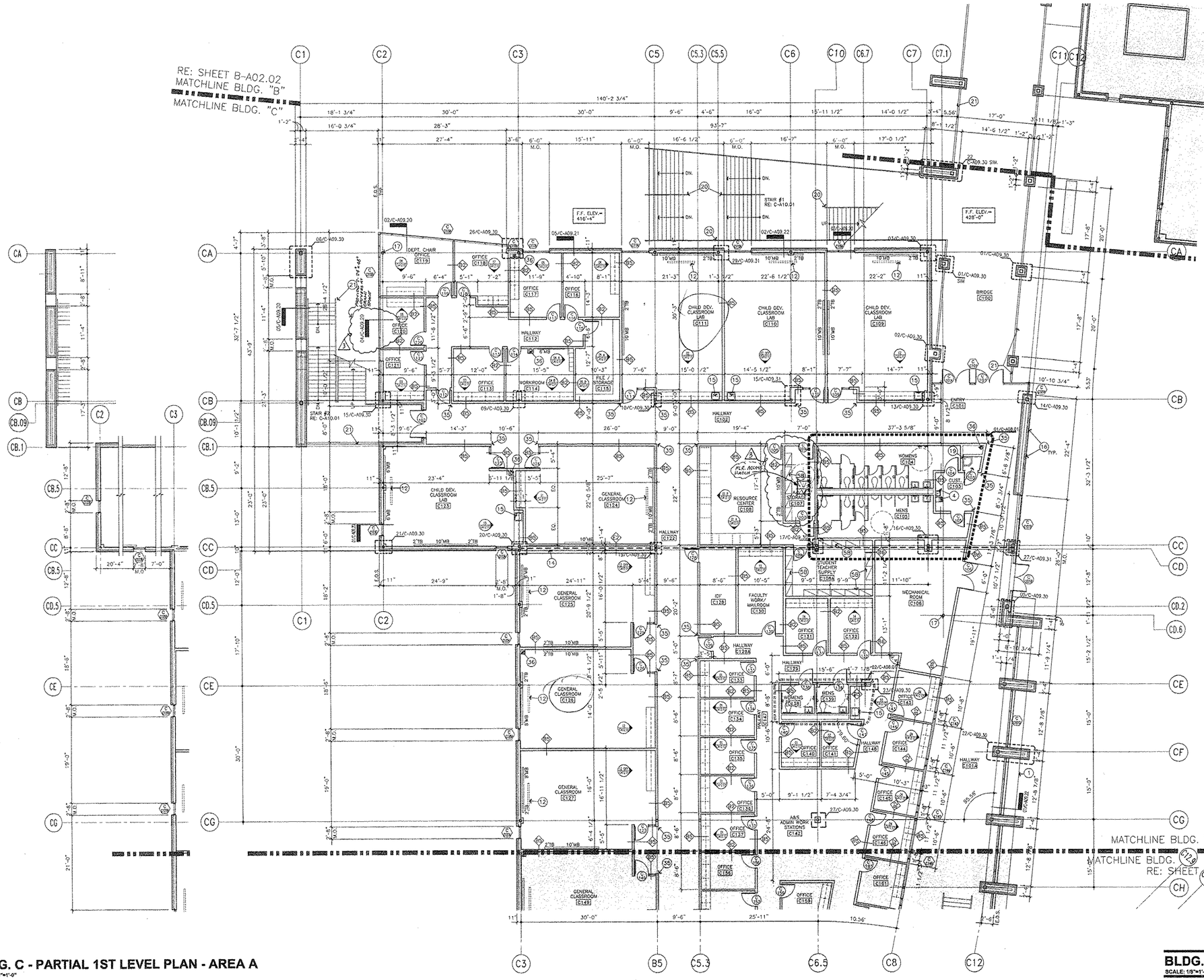
CAD File Name

Description
ROOM FINISH SCHEDULE
BUILDING C, SECOND LEVEL, AREA A,B,C

Scale
NO SCALE

C-A00.32

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BLDG. C - PARTIAL 1ST LEVEL PLAN - AREA A

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

BLDG. C - FIRST LEVEL PLAN - AREA A 01

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

NOTE: CONTRACTOR TO VERIFY EXACT COLUMN LOCATIONS AND DIMENSIONS WITH STRUCTURAL PLANS

BLDG. C - KEYNOTES 03

1. LINE OF SLAB/ROOF ABOVE.
2. 1" EPOXY RESIN COUNTER TOP
3. RETAINING WALL REF: TO STRUCTURAL.
4. DRINKING FOUNTAIN(S) AS SPECIFIED, REF: M.E.P. DRAWINGS.
5. METAL SHELVING AS SPECIFIED, REFER TO SIZES BELOW UNLESS NOTED OTHERWISE.
   A. 12" DEEP C. 24" DEEP E. 36" DEEP
   B. 18" DEEP D. 30" DEEP F. 42" DEEP
6. LIMITS OF POND, REF: TO CIVIL SHEET.
7. BOOKSHELVES AS SPECIFIED, CONTRACTOR FURNISHED AND INSTALLED.
8. CENTER PARTITION ON COLUMN CENTERLINE
9. SLIDING PARTITION AND TRACK AS SPECIFIED, REF: DOOR SCHEDULE.
10. PLASTER SOFFIT ABOVE, REF: R.C.P. DRAWINGS.
11. ELECTRONIC SECURITY DEVICE AS SPECIFIED, REF: TO M.E.P. DRAWINGS
12. CEILING MOUNTED, MANUAL OVERHEAD PROJECTION SCREEN, RE:08/TA12.43
13. CLOCK AS SPECIFIED, REF: M.E.P. DRAWINGS.
14. 1" CONTINUOUS EXPANSION JOINT W/COVER AS SPEC.
15. SINK AS SPECIFIED, REF: M.E.P. DRAWINGS.
16. BRICK REVEAL
17. EXPOSED STEEL COLUMN, PAINT
18. FUME HOOD AS SPECIFIED, REF: M.E.P. DRAWINGS.
19. JANITORS SINK AS SPECIFIED, REF: M.E.P. DRAWINGS.
20. 1-1/2" DIA. CONTINUOUS ALUM. PIPE HANDRAIL @ 2'-10" AND STEEL GUARDRAIL @ 3'-6" A.F.F.
    EXTEND 12" HORIZ. BEYOND TOP & BOTTOM LANDING
    A. WALL MOUNTED - RETURN ENDS TO WALL
    B. FLOOR MOUNTED - W/POSTS SPACED EQUALLY @ 4'-0" O.C. MAX RETURN ENDS TO POST @ EACH END
21. 3'-6" HIGH STEEL PIPE GUARDRAIL AND 2'-6" HIGH STEEL PIPE HANDRAIL PAINT
22. MAIL BOXES AS SPECIFIED, CONTRACTOR SUPPLIED AND INSTALLED.
23. LOCKERS AS SPECIFIED, CONTRACTOR SUPPLIED AND INSTALLED.
24. EQUIPMENT BY OTHERS AS SPECIFIED.
25. LINE OF FURRDOWN ABOVE, REF: ELEVATIONS.
26. 8" DIA. STEEL COLUMN, PAINT.
27. 4" DIA. STEEL DIAGONAL PIPE.
28. CENTER PARRITON WITH CENTERLINE OF WINDOW MULLION.
29. ALIGN PARTITION WITH EDGE OF COLUMN.
30. LOW WALL.
31. CONCRETE RAMP, REF: STRUCTURAL PLANS.
32. EPOXY RESIN SINK BY CASEWORK MANUFACTURER
33. ACCESSIBLE FUME HOOD, RE: MEP DRAWINGS
34. ACCESSIBLE EPOXY RESIN SINK
35. CORNER GUARD
36. ROOF DRAIN LEADER

BLDG. C - GENERAL NOTES 02

1. ALL PARTITIONS ON THIS SHEET ARE NOTED AS SUCH (X) REFER TO SHEET TA 12.00 AND TA 12.01 FOR TYPES
2. ALL FLOOR FINISH CHANGES TO OCCUR AT CENTERLINE OF DOOR(S) UNLESS NOTED OTHERWISE.
3. FOR INTERIOR ELEVATIONS REFER TO SHEETS A-A 11.01
4. FOR TYPICAL CHALKBOARD(S) & TACKBOARD(S) MOUNTING HEIGHTS, REFER TO SPECIFICATIONS
5. ALL FLOOR PLAN DIMENSIONS ARE TO FACE OF PARTITION(S) UNLESS NOTED OTHERWISE. DIMENSIONS AT CORRIDORS AND VESTIBULES ARE CLEAR DIMENSIONS.
6. ALL PRE-FAB. METAL SHELVING TO BE 12" DEEP UNLESS NOTED OTHERWISE.
7. ALL CORRIDORS AND HALLWAYS TO HAVE 3" SOUND ATTEN. BATTS ABOVE CEILING FULL WIDTH
8. PROVIDE ALUMINUM THRESHOLD SET IN FULL BED OF SEALANT AT ALL EXTERIOR DOORS.
9. PROVIDE VINYL REDUCER AT ALL DISSIMILAR FLOOR MATERIALS UNLESS NOTED OTHERWISE.
10. ALL SPACES WITH FLOOR DRAINS TO HAVE FINISHED FLOORS SLOPED TO DRAIN. VERIFY WITH ARCHITECT.
11. FOR LOCKER TYPES, RE:SPEC'S
12. COORDINATE DOWNSPOUT LOCATIONS W/ EXT. ELEVATIONS ALL DS'S TO HAVE 16 GA. MTL. BOOT & CONCRETE SPLASHBLOCK
13. PROVIDE 1/2" CONT. VERTICAL CONTROL JOINT AT ALL DOWNSPOUT LOCATIONS. RE: EXT. ELEVATIONS COORD. W/ ARCHITECT
14. ALL TACKABLE WALL SURFACES SHALL CONSIST OF CONT. VINYL WALL COVERING ON 5/8" GYP. BOARD TO 6" MIN. ABOVE CEILING AS SPEC.
15. TACKABLE WALL SURFACES ON CMU PARTITIONS SHALL BE FURRED OUT W/ CONT. 1-5/8" METAL STUDS @ 16" O.C. TO 6" MIN. ABOVE CEILING
16. REFER TO EXTERIOR ELEVATIONS FOR LIMITS AND TYPES OF BRICK AND CMU

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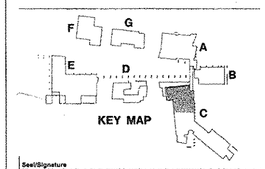
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	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		
1	06	05.07.02 ADDENDUM NO. 3		

ISSUE FOR
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CONSTRUCTION



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REGISTERED ARCHITECT — STATE OF TEXAS — 04/11/02

Exp: 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

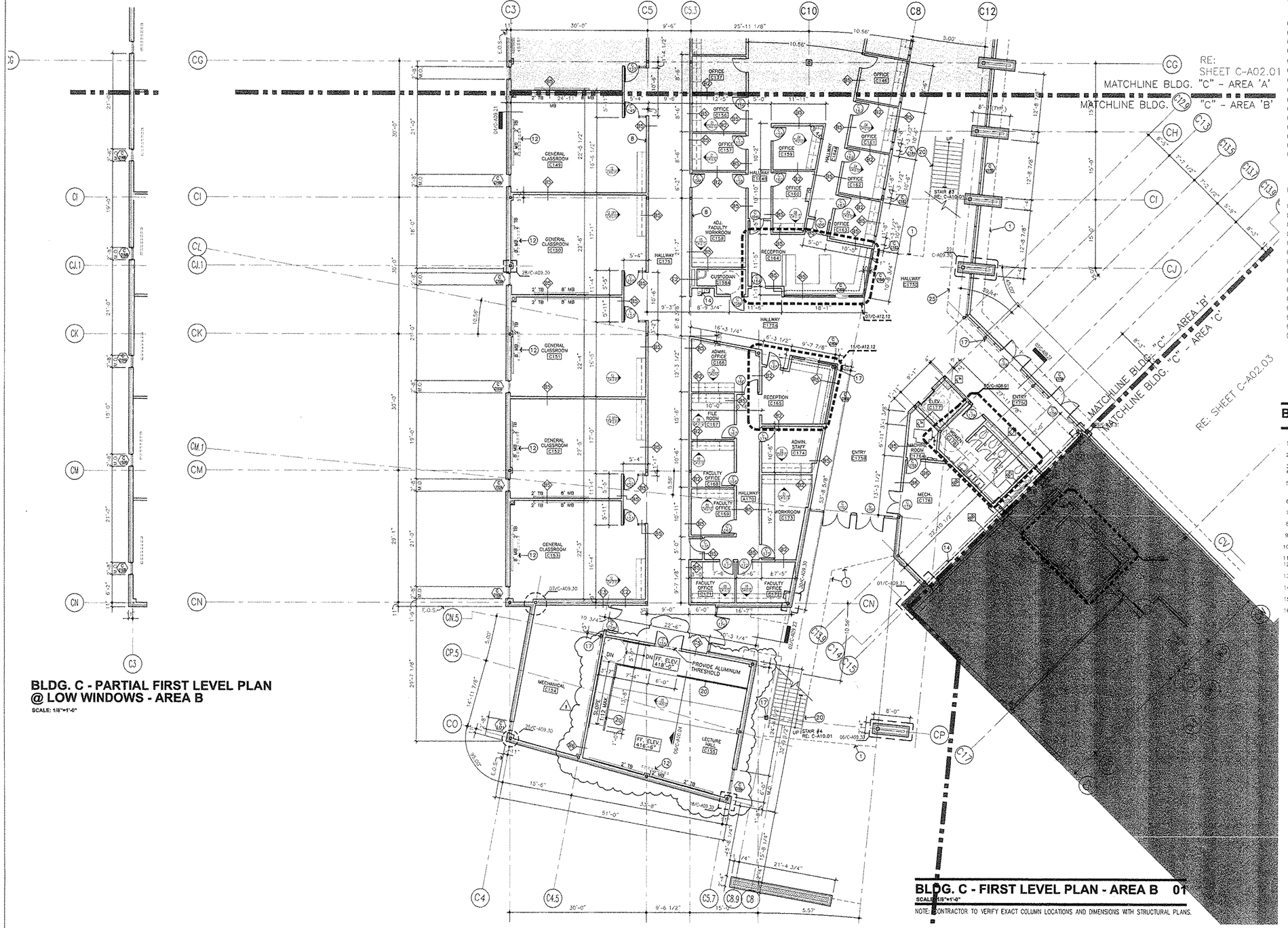
Description
BLDG. C - AREA A
FIRST LEVEL FLOOR PLAN

Scale
1/8" = 1'-0"

True North

C-A02.01

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BLDG. C - PARTIAL FIRST LEVEL PLAN @ LOW WINDOWS - AREA B

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

BLDG. C - FIRST LEVEL PLAN - AREA B 01

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

NOTE: CONTRACTOR TO VERIFY EXACT COLUMN LOCATIONS AND DIMENSIONS WITH STRUCTURAL PLANS.

BLDG. C - KEYNOTES 03

1. LINE OF SLAB/ROOF ABOVE.
2. 1" EPOXY RESIN COUNTER TOP
3. RETAINING WALL REF: TO STRUCTURAL.
4. DRINKING FOUNTAIN(S) AS SPECIFIED, REF: M.E.P. DRAWINGS.
5. METAL SHELVING AS SPECIFIED, REFER TO SIZES BELOW UNLESS NOTED OTHERWISE.
   A. 12" DEEP C. 24" DEEP E. 36" DEEP
   B. 16" DEEP D. 30" DEEP F. 42" DEEP
6. LIMITS OF POND, REF: TO CIVIL SHEET.
7. BOOKSHELVES AS SPECIFIED, CONTRACTOR FURNISHED AND INSTALLED.
8. CENTER PARTITION ON COLUMN CENTERLINE.
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14. 1" CONTINUOUS EXPANSION JOINT W/COVER AS SPEC.
15. SINK AS SPECIFIED, REF: M.E.P. DRAWINGS.
16. BRICK REVEAL
17. EXPOSED STEEL COLUMN, PAINT
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19. JANITORS SINK AS SPECIFIED, REF: M.E.P. DRAWINGS.
20. 1-1/2" DIA. CONTINUOUS ALUM. PIPE HANDRAIL @ 2'-10" AND STEEL GUARDRAIL @ 3'-6" A.F.F. EXTEND 12" HORIZ. BEYOND TOP & BOTTOM LANDING
    A. WALL MOUNTED - RETURN ENDS TO WALL
    B. FLOOR MOUNTED - W/POSTS SPACED EQUALLY @ 4'-0" O.C. MAX RETURN ENDS TO POST @ EACH END
21. 3'-6" HIGH STEEL PIPE GUARDRAIL AND 2'-6" HIGH STEEL PIPE HANDRAIL, PAINT.
22. MAIL BOXES AS SPECIFIED, CONTRACTOR SUPPLIED AND INSTALLED.
23. LOCKERS AS SPECIFIED, CONTRACTOR SUPPLIED AND INSTALLED.
24. EQUIPMENT BY OTHERS AS SPECIFIED.
25. LINE OF FURRDOWN ABOVE, REF: ELEVATIONS.
26. 8" DIA. STEEL COLUMN, PAINT.
27. 4" DIA. STEEL DIAGONAL PIPE.
28. CENTER PARTITON WITH CENTERLINE OF WINDOW MULLION.
29. ALIGN PARTITION WITH EDGE OF COLUMN.
30. LOW WALL.
31. CONCRETE RAMP, REF: STRUCTURAL PLANS.
32. EPOXY RESIN SINK BY CASEWORK MANUFACTURER
33. ACCESSIBLE FUME HOOD, RE: MEP DRAWINGS
34. ACCESSIBLE EPOXY RESIN SINK
35. CORNER GUARD
36. ROOF DRAIN LEADER

BLDG. C - GENERAL NOTES 02

1. ALL PARTITIONS ON THIS SHEET ARE NOTED AS SUCH (X) REFER TO SHEET TA 12.00 AND TA 12.01 FOR TYPES
2. ALL FLOOR FINISH CHANGES TO OCCUR AT CENTERLINE OF DOOR(S) UNLESS NOTED OTHERWISE.
3. FOR INTERIOR ELEVATIONS REFER TO SHEETS A-A 11.01
4. FOR TYPICAL CHALKBOARD(S) & TACKBOARD(S) MOUNTING HEIGHTS. REFER TO SPECIFICATIONS
5. ALL FLOOR PLAN DIMENSIONS ARE TO FACE OF WALL(S) UNLESS NOTED OTHERWISE. DIMENSIONS AT CORRIDORS AND VESTIBULES ARE CLEAR DIMENSIONS
6. ALL PRE-FAB. METAL SHELVING TO BE 12" DEEP UNLESS NOTED OTHERWISE.
7. ALL CORRIDORS AND HALLWAYS TO HAVE 3" SOUND ATTEN. BATTS ABOVE CEILING FULL WIDTH
8. PROVIDE ALUMINUM THRESHOLD SET IN FULL BED OF SEALANT AT ALL EXTERIOR DOORS.
9. PROVIDE VINYL REDUCER AT ALL DISSIMILAR FLOOR MATERIALS UNLESS NOTED OTHERWISE.
10. ALL SPACES WITH FLOOR DRAINS TO HAVE FINISHED FLOORS SLOPED TO DRAIN. VERIFY WITH ARCHITECT.
11. FOR LOCKER TYPES, RE:SPECS.
12. COORDINATE DOWNSPOUT LOCATIONS W/ EXT. ELEVATIONS ALL DS'S TO HAVE 16 GA. MTL. BOOT & CONCRETE SPLASHBLOCK
13. PROVIDE 1/2" CONT. VERTICAL CONTROL JOINT AT ALL DOWNSPOUT LOCATIONS. RE: EXT. ELEVATIONS COORD. W/ ARCHITECT
14. ALL TACKABLE WALL SURFACES SHALL CONSIST OF CONT. VINYL WALL COVERING ON 5/8" DYP. BOARD TO 6" MIN. ABOVE CEILING AS SPEC.
15. TACKABLE WALL SURFACES ON CMU PARTITIONS SHALL BE FURRED OUT W/ CONT. 1-5/8" METAL STUDS @ 16" O.C. TO 6" MIN. ABOVE CEILING
16. REFERENCE C-A08.10 FOR FLOOR FINISHES AND FLOOR PATTERNS

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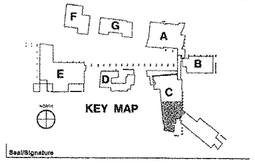
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	Issue	Date & Issue Description	By	Check
---	01	10.11.01 SCHEMATIC DESIGN & PRICING		
	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		
⚠	06	04.25.02 ADDENDUM NO. 1		

~~ISSUE FOR~~
JUN 18 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT — JOSE L. MARTINEZ — STATE OF TEXAS
04/18/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BLDG. C - AREA B
FIRST LEVEL FLOOR PLAN

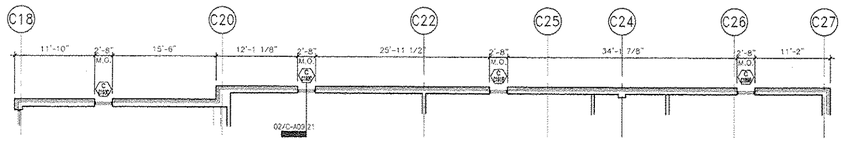
Scale
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True North

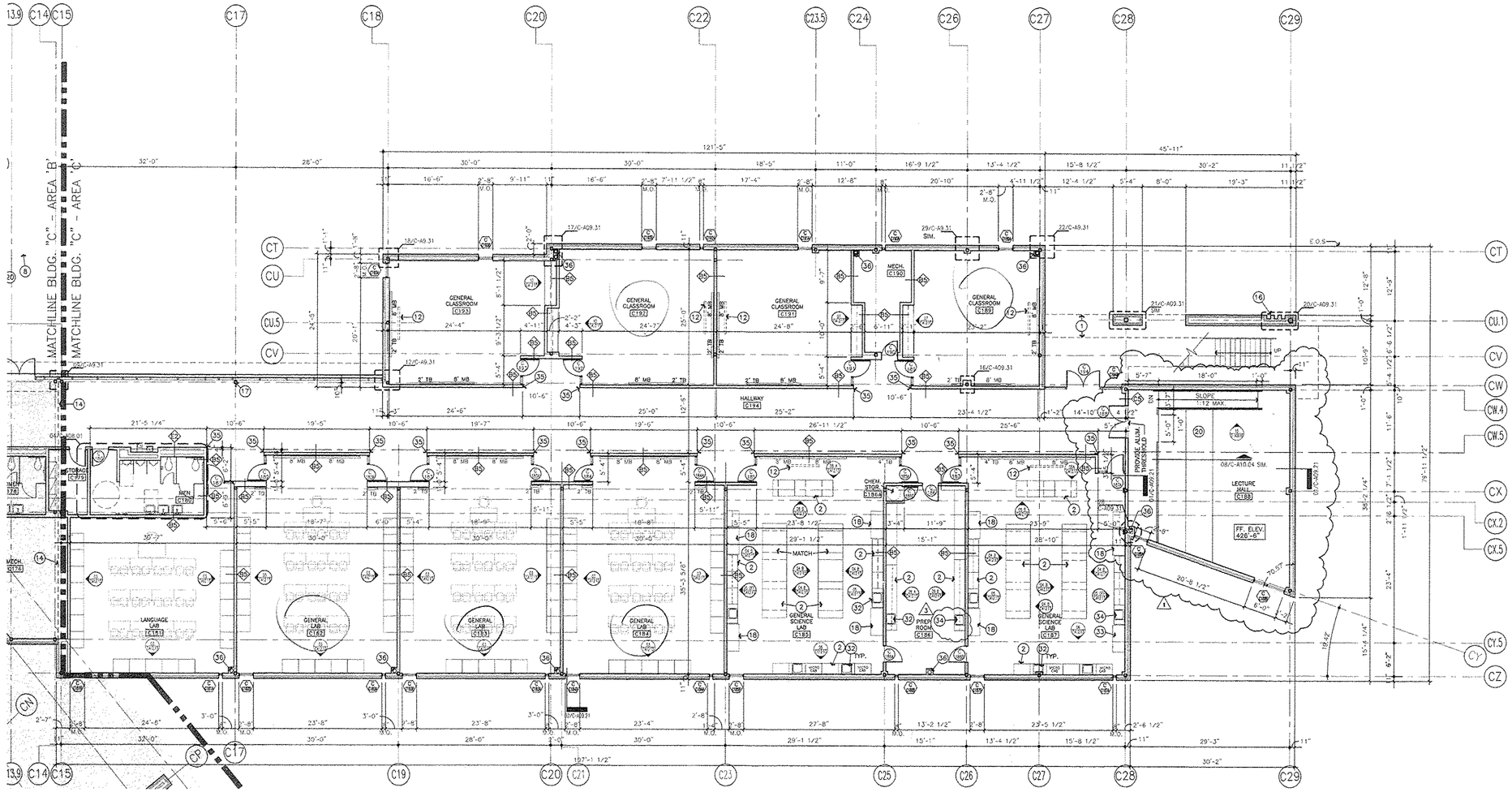
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C-A02.02

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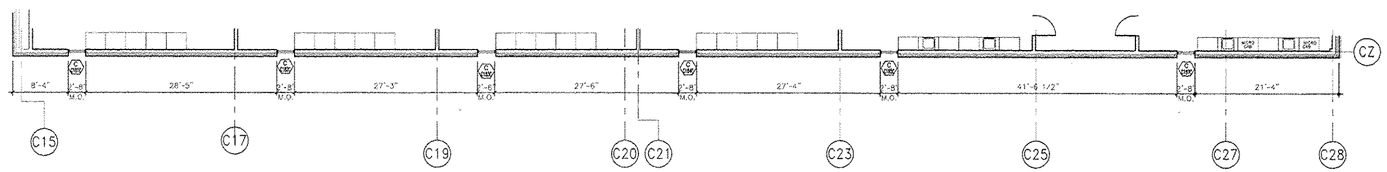
BLDG. C - PARTIAL FIRST LEVEL PLAN @ LOW WINDOWS- AREA C



BLDG. C - FIRST LEVEL PLAN - AREA C 01

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

NOTE: CONTRACTOR TO VERIFY EXACT COLUMN LOCATIONS AND DIMENSIONS WITH STRUCTURAL PLANS.



BLDG. C - PARTIAL FIRST LEVEL PLAN @ LOW WINDOWS- AREA C

NOTES - AREA C 03

1. LINE OF SLAB/ROOF ABOVE.
2. 1" EPOXY RESIN COUNTER TOP.
3. RETAINING WALL REF: TO STRUCTURAL.
4. DRINKING FOUNTAIN(S) AS SPECIFIED, REF: M.E.P. DRAWINGS.
5. METAL SHELVING AS SPECIFIED. REFER TO SIZES BELOW UNLESS NOTED OTHERWISE.
   A. 12" DEEP C. 24" DEEP E. 36" DEEP
   B. 18" DEEP D. 30" DEEP F. 42" DEEP
6. LIMITS OF POND, REF: TO CIVIL SHEET.
7. BOOKSHELVES AS SPECIFIED, CONTRACTOR FURNISHED AND INSTALLED.
8. CENTER PARTITION ON COLUMN CENTERLINE
9. SLIDING PARTITION AND TRACK AS SPECIFIED, REF: DOOR SCHEDULE.
10. PLASTER SOFFIT ABOVE, REF: R.C.P. DRAWINGS.
11. ELECTRONIC SECURITY DEVICE AS SPECIFIED, REF: TO M.E.P. DRAWINGS
12. CEILING MOUNTED, MANUAL OVERHEAD PROJECTION SCREEN, REQIB/TA12.43
13. CLOCK AS SPECIFIED, REF: M.E.P. DRAWINGS.
14. 1" CONTINUOUS EXPANSION JOINT W/COVER AS SPEC.
15. SINK AS SPECIFIED, REF: M.E.P. DRAWINGS.
16. BRICK REVEAL
17. EXPOSED STEEL COLUMN, PAINT
18. FUME HOOD AS SPECIFIED, REF: M.E.P. DRAWINGS.
19. JANITORS SINK AS SPECIFIED, REF: M.E.P. DRAWINGS.
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21. 3'-6" HIGH STEEL PIPE GUARDRAIL AND 2'-6" HIGH STEEL PIPE HANDRAIL; PAINT.
22. MAIL BOXES AS SPECIFIED, CONTRACTOR SUPPLIED AND INSTALLED.
23. LOCKERS AS SPECIFIED, CONTRACTOR SUPPLIED AND INSTALLED.
24. EQUIPMENT BY OTHERS AS SPECIFIED.
25. LINE OF FURROWN ABOVE, REF: ELEVATIONS.
26. 8" DIA. STEEL COLUMN, PAINT
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28. CENTER PARTITION WITH CENTERLINE OF WINDOW MULLION.
29. ALIGN PARTITION WITH EDGE OF COLUMN.
30. LOW WALL
31. CONCRETE RAMP, REF: STRUCTURAL PLANS.
32. EPOXY RESIN SINK BY CASEWORK MANUFACTURER
33. ACCESSIBLE FUME HOOD, RE: MEP DRAWINGS
34. ACCESSIBLE EPOXY RESIN SINK
35. CORNER GUARD
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15. TACKABLE WALL SURFACES ON CWL PARTITIONS SHALL BE FURRED OUT W/ CONT. 1-5/8" METAL STUDS @ 16" O.C. TO 6" MIN. ABOVE CEILING
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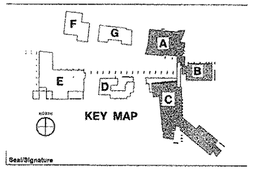
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Issue	Date & Issue Description	By	Check
--- 01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		
⚠ 06	04.25.02 ADDENDUM NO. 1		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT
STATE OF TEXAS
06/18/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BLDG. C - AREA C
FIRST LEVEL FLOOR PLAN

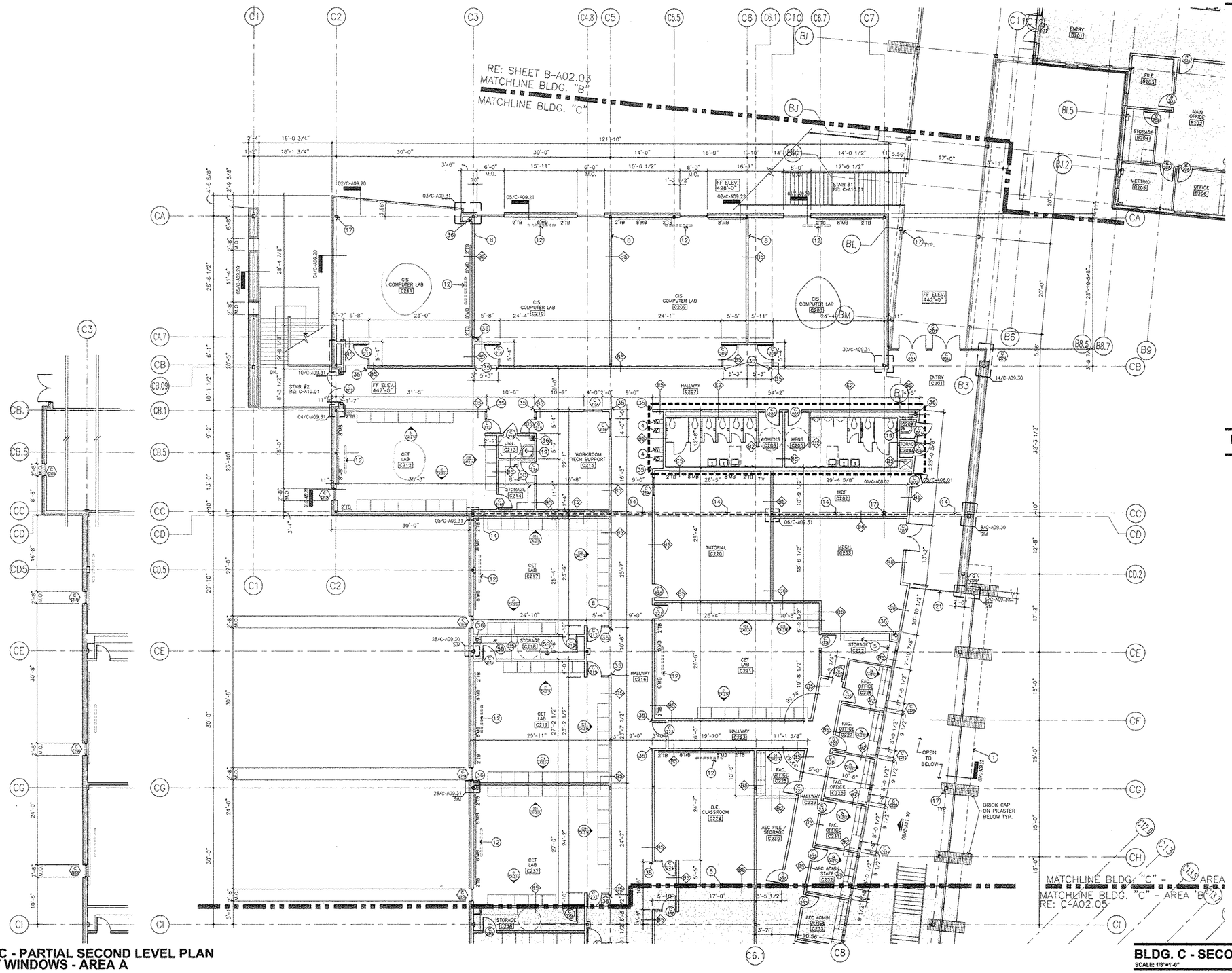
Scale
1/8" = 1'-0"

True North

Ref. North

C-A02.03

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BLDG. C - PARTIAL SECOND LEVEL PLAN @ LOW WINDOWS - AREA A

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

BLDG. C - KEYNOTES 03

1. LINE OF SLAB/ROOF ABOVE.
2. 1" EPOXY RESIN COUNTER TOP
3. RETAINING WALL REF: TO STRUCTURAL.
4. DRINKING FOUNTAIN(S) AS SPECIFIED, REF: M.E.P. DRAWINGS.
5. METAL SHELVING AS SPECIFIED, REFER TO SIZES BELOW UNLESS NOTED OTHERWISE.
   A. 12" DEEP C. 24" DEEP E. 36" DEEP
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8. CENTER PARTITION ON COLUMN CENTERLINE
9. SLIDING PARTITION AND TRACK AS SPECIFIED, REF: DOOR SCHEDULE.
10. PLASTER SOFFIT ABOVE, REF: R.C.P. DRAWINGS.
11. ELECTRONIC SECURITY DEVICE AS SPECIFIED, REF: TO M.E.P. DRAWINGS
12. CEILING MOUNTED, MANUAL OVERHEAD PROJECTION SCREEN, RE:08/TA12.43
13. CLOCK AS SPECIFIED, REF: M.E.P. DRAWINGS.
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15. SINK AS SPECIFIED, REF: M.E.P. DRAWINGS.
16. BRICK REVEAL
17. EXPOSED STEEL COLUMN, PAINT
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22. MAIL BOXES AS SPECIFIED, CONTRACTOR SUPPLIED AND INSTALLED.
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25. LINE OF FURROWN ABOVE, REF: ELEVATIONS.
26. 8" DIA. STEEL COLUMN, PAINT.
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28. CENTER PARTITON WITH CENTERLINE OF WINDOW MULLION.
29. ALIGN PARTITION WITH EDGE OF COLUMN.
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16. REFERENCE C-A08.10 FOR FLOOR FINISHES AND FLOOR PATTERNS

BLDG. C - SECOND LEVEL PLAN - AREA A 01

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

NOTE: CONTRACTOR TO VERIFY EXACT COLUMN LOCATIONS AND DIMENSIONS WITH STRUCTURAL PLANS.

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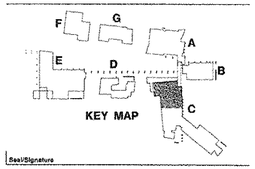
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	Issue	Date & Issue Description	By	Check
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		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



KEY MAP

Seal/Signature

REGISTERED ARCHITECT — 04/11/02 — Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BLDG. C - AREA A
SECOND LEVEL FLOOR PLAN

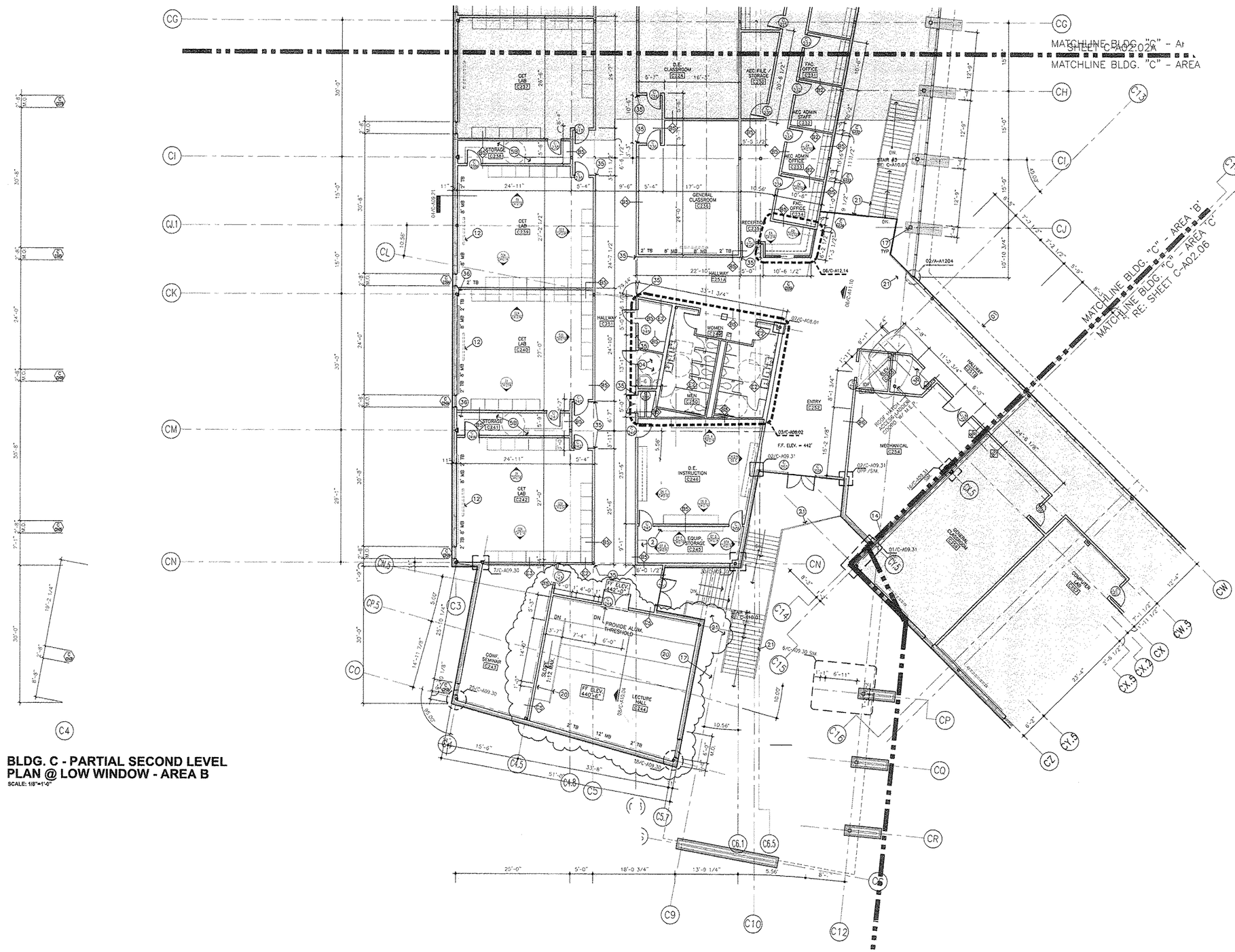
Scale
1/8" = 1'-0"

True North

Ref. North

C-A02.04

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BLDG. C - PARTIAL SECOND LEVEL PLAN @ LOW WINDOW - AREA B

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

NORTH

BLDG. C - SECOND LEVEL PLAN - AREA B 01

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

NOTE: CONTRACTOR TO VERIFY EXACT COLUMN LOCATIONS AND DIMENSIONS WITH STRUCTURAL PLANS.

BLDG. C - KEYNOTES 03

1. LINE OF SLAB/ROOF ABOVE.
2. CASEWORK AS DETAILED, REF: KEYED ELEVATION.
3. FOUNDATION WALL REF. TO STRUCTURAL.
4. DRINKING FOUNTAIN(S) AS SPECIFIED, REF: M.E.P. DRAWINGS.
5. METAL SHELVING AS SPECIFIED, REFER TO SIZES BELOW UNLESS NOTED OTHERWISE.
   A. 12" DEEP C. 24" DEEP E. 36" DEEP
   B. 15" DEEP D. 30" DEEP F. 42" DEEP
6. LIMITS OF POND, REF: TO CIVIL SHEET.
7. BOOKSHELVES AS SPECIFIED, CONTRACTOR FURNISHED AND INSTALLED.
8. TREAD STAIRS AS SPECIFIED.
9. SLIDING PARTITION AND TRACK AS SPECIFIED, REF: DOOR SCHEDULE.
10. PLASTER TREATMENT ABOVE, REF: R.C.P. DRAWINGS.
11. ELECTRONIC SECURITY DEVICE AS SPECIFIED, REF: TO M.E.P. DRAWINGS.
12. RECESS CLG. MOUNTED, MANUAL GIVENHEAD PROJ. SCREEN (6'X8') AS SPECIFIED.
13. CLOCK AS SPECIFIED, REF: M.E.P. DRAWINGS.
14. 1" CONTINUOUS EXPANSION JOINT W/COVER AS SPEC. RE.
15. SINK AS SPECIFIED, REF: M.E.P. DRAWINGS.
16. TACKBOARD/MARKERBOARD AS SPECIFIED.
17. EXPOSED STEEL COLUMN, PAINT AS SPECIFIED.
18. VENT HOOD AS SPECIFIED, REF: M.E.P. DRAWINGS.
19. JANITORS SINK AS SPECIFIED, REF: M.E.P. DRAWINGS.
20. 1-1/2" DIA. CONTINUOUS ALUM. PIPE HANDRAIL @ 34" A.F.F.
    EXTEND 12" HORIZ. BEYOND TOP & BOTTOM LANDING
    A. WALL MOUNTED - RETURN ENDS TO WALL RE.
    B. FLOOR MOUNTED - W/POSTS SPACED EQUALLY @ 4'-0" O.C. MAX RETURN ENDS TO POST @ EACH END
21. 42" HIGH ALUMINUM GUARDRAIL AS DETAILED, RE: 01/A-A09.29
22. MAIL BOXES AS DETAILED RE: 14/A-A12.12, CONTRACTOR SUPPLY AND INSTALLED
23. LOCKERS AS SPECIFIED, CONTRACTOR SUPPLIED AND INSTALLED.
24. KITCHEN & SERVING EQUIPMENT RE: FOOD SERVICE ENGS.
25. LINE OF FURRDOWN ABOVE, REF: ELEVATIONS.
26. 8" DIA. STEEL COLUMN, PAINT.
27. 4"X4" STEEL TUBE DIAGONAL PIPE, PAINTED FINISH.
28. CENTER PARTITION WITH CENTER OF WINDOW MULLION.
29. ALIGN PARTITION WITH EDGE OF COLUMN.
30. LOW WALL
31. CONCRETE RAMP, REF: STRUCTURAL PLANS.
32. COMPUTER STATIONS, REFER TO SPECS.
33. PREFINISHED METAL STRUCTURAL CORNER TRIM AS SPECIFIED.
34. ROOF HATCH & LADDER AS SPECIFIED. RE: 02 & 04 1-A09.51 FOR DETAIL.
35. BOOK DROP W/THRU WALL CHUTE. SEE SPEC.

BLDG. C - GENERAL NOTES 02

1. ALL PARTITIONS ON THIS SHEET ARE NOTED AS SUCH (X) REFER TO SHEET TA 12.00 AND TA 12.01 FOR TYPES.
2. ALL FLOOR FINISH CHANGES TO OCCUR AT CENTERLINE OF DOOR(S) UNLESS NOTED OTHERWISE.
3. FOR TYPICAL CHALKBOARD(S) & TACKBOARD(S) MOUNTING HEIGHTS, REFER TO SPECIFICATIONS
4. ALL FLOOR PLAN DIMENSIONS ARE TO FACE OF WALL(S) UNLESS NOTED OTHERWISE. DIMENSIONS AT CORRIDORS AND VESTIBULES ARE CLEAR DIMENSIONS.
5. PROVIDE ALUMINUM THRESHOLD SET IN FULL BED OF SEALANT AT ALL EXTERIOR DOORS.
6. PROVIDE VINYL REDUCER AT ALL DISSIMILAR FLOOR MATERIALS UNLESS NOTED OTHERWISE.
7. ALL SPACES WITH FLOOR DRAINS TO HAVE FINISHED FLOORS SLOPED TO DRAIN. VERIFY WITH ARCHITECT.
8. COORDINATE DOWNSPOUT LOCATIONS W/ ROOF PLAN ALL DS'S TO HAVE 16 GA. MT. BOOT & CONCRETE SPLASHBLOCK
9. 1/2" CONT. VERTICAL CONTROL JOINT AT ALL DOWNSPOUT RE: EXT. ELEVATIONS COORD. W/ ARCHITECT

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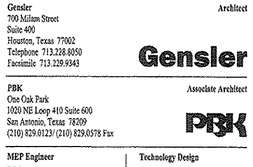
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	Issue	Date & Issue Description	By	Check
—	01	10.11.01 SCHEMATIC DESIGN & PRICING		
	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		
1	06	04.25.02 ADDENDUM NO. 1		
2	07	05.06.02 ADDENDUM NO. 2		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT
STATE OF TEXAS
06/18/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BLDG. C – AREA B
SECOND LEVEL FLOOR PLAN

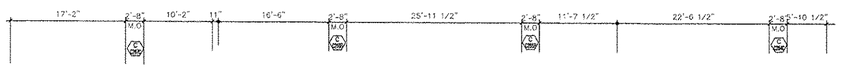
Scale
1/8" = 1'-0"

True North

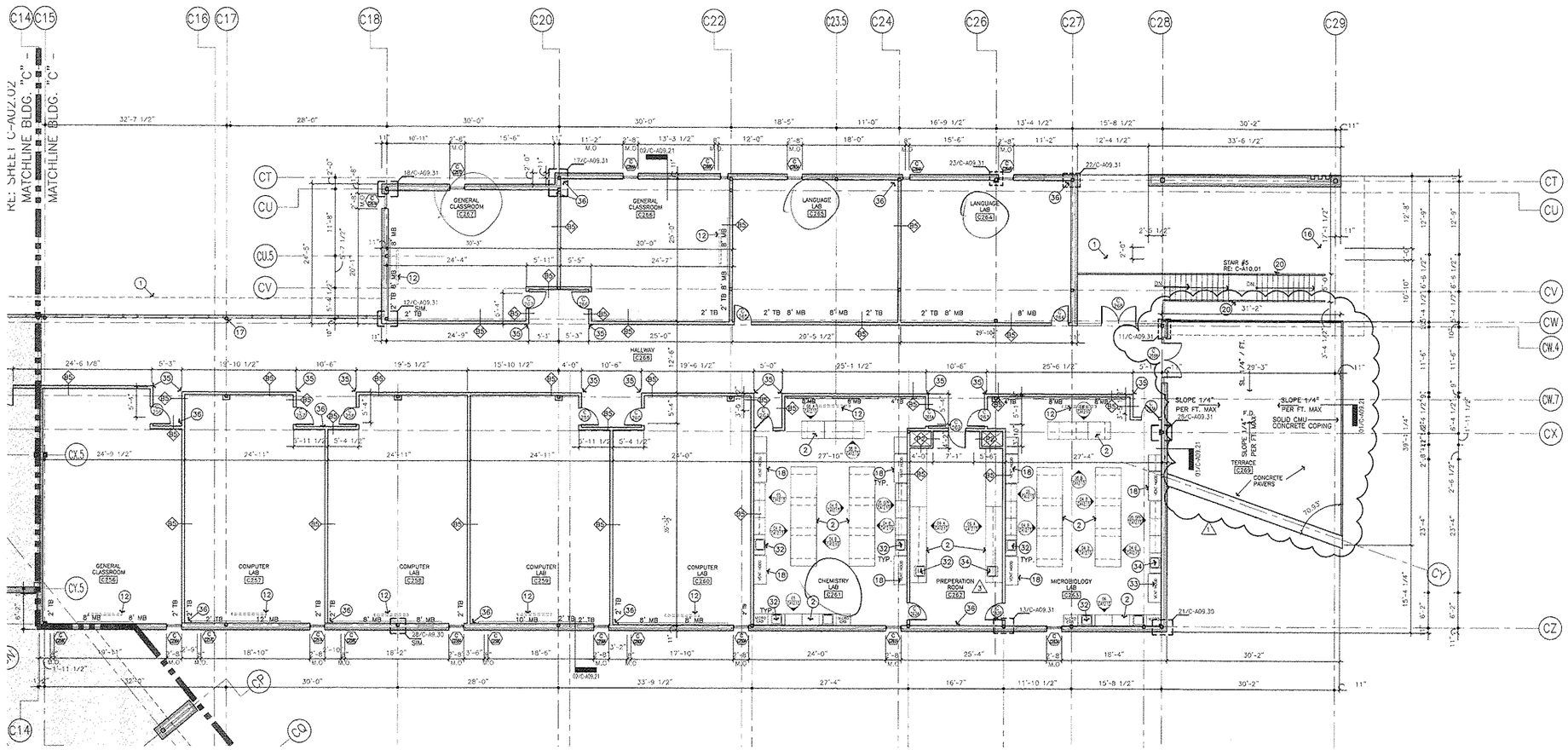
Ref. North

C-A02.05

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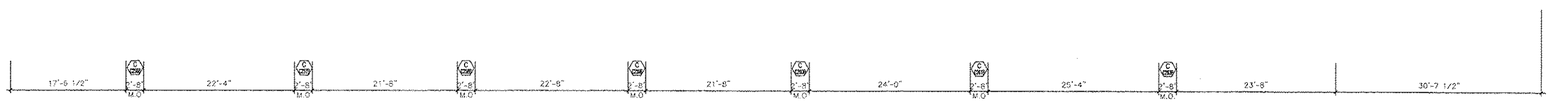
BLDG. C - PARTIAL SECOND LEVEL PLAN @ LOW WINDOWS - AREA C



BLDG. C - SECOND LEVEL PLAN - AREA C 01

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

NOTE: CONTRACTOR TO VERIFY EXACT COLUMN LOCATIONS AND DIMENSIONS WITH STRUCTURAL PLANS.



BLDG. C - PARTIAL SECOND LEVEL PLAN @ LOW WINDOWS - AREA C

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

BLDG. C - KEYNOTES 03

1. LINE OF SLAB/ROOF ABOVE.
2. CASEWORK AS DETAILED, REF: KEYED ELEVATION.
3. FOUNDATION WALL REF: TO STRUCTURAL.
4. DRINKING FOUNTAIN(S) AS SPECIFIED, REF: M.E.P. DRAWINGS.
5. METAL SHELVING AS SPECIFIED, REFER TO SIZES BELOW UNLESS NOTED OTHERWISE.
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22. MAIL BOXES AS DETAILED RE: 14/A-A12.12, CONTRACTOR SUPPLIED AND INSTALLED.
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35. BOOK DROP W/THRU WALL CHUTE, SEE SPEC.

BLDG. C - GENERAL NOTES 02

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9. 1/2" CONT. VERTICAL CONTROL JOINT AT ALL DOWNSPOUT RE: EXT. ELEVATIONS COORD. W/ ARCHITECT

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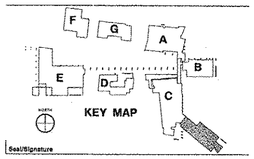
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--- 01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BLDG. C – AREA C
SECOND LEVEL FLOOR PLAN

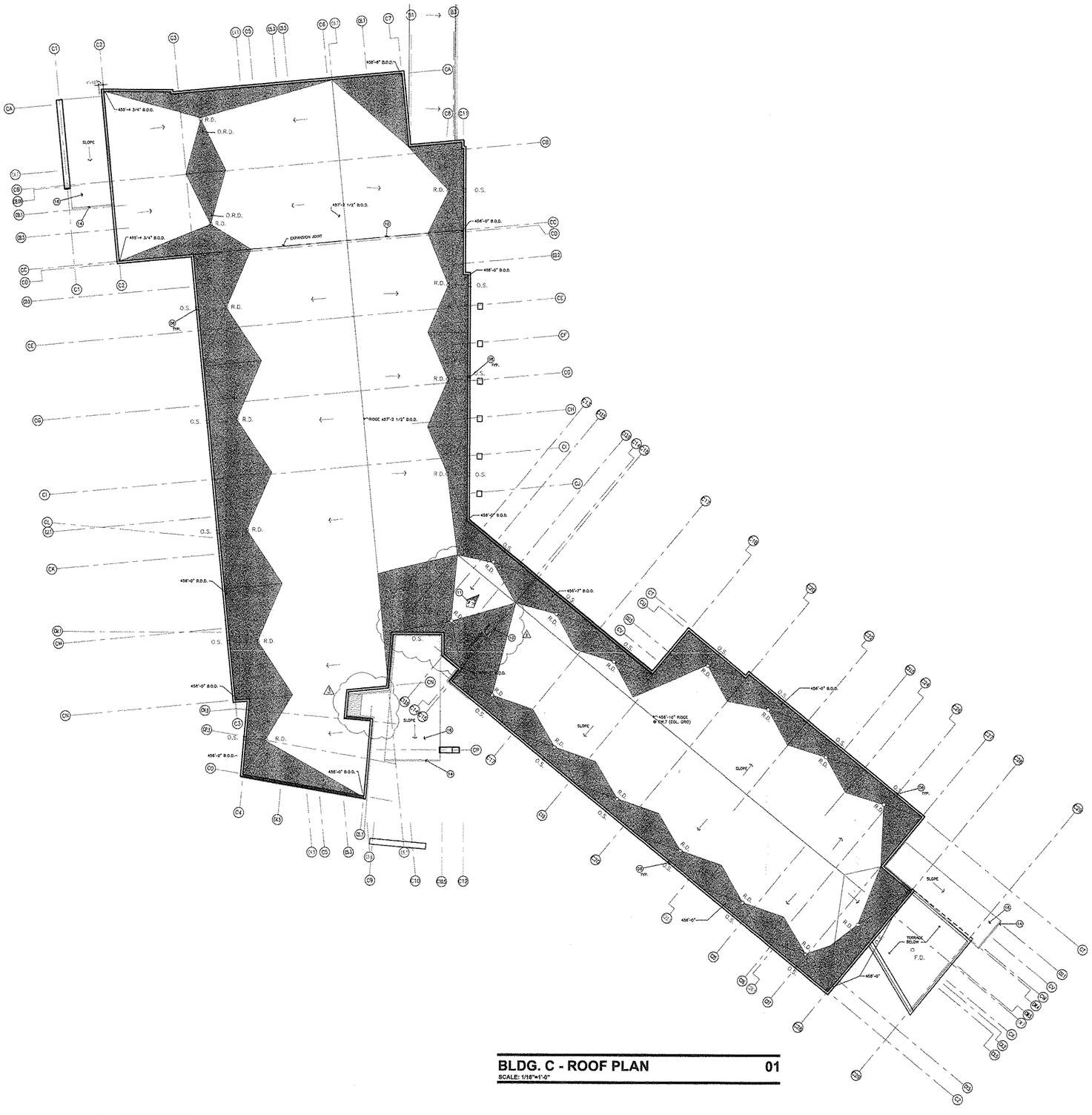
Scale
1/16" = 1'-0"

True North

Ref. North

C-A02.06

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BLDG. C - ROOF PLAN 01

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

LEGEND:

R.D.	ROOF DRAIN
O.R.D.	OVERFLOW ROOF DRAIN
O.S.	OVERFLOW SCUPPER
E.J.	EXPANSION JOINT
B.O.D.	BOTTOM OF DECK
T.O.P.	TOP OF PARAPET
	IDENTIFIES LIMITS OF ADDITIONAL RIGID TAPERED INSULATION

GENERAL NOTES:

1. REFER TO SHEETS T-09.50 AND T-09.51 FOR ROOF DETAILS
2. ROOF ELEVATIONS BASED ON ARCHITECTUREAL REFERENCE ELEVATION OF 418'-0" GROUND LEVEL
3. REFER TO BUILDING ELEVATION FOR EXACT LOCATION OF OVERFLOW SCUPPERS
4. REFER TO M.E.P. AND STRUCTUREAL DRAWINGS FOR ROOF PENETRATION AND ROOF EQUIPTMENT INFORMATION
5. ALL NOTES MAY NOT BE USED ON THIS SHEET

KEY NOTES:

(01) LINE OF EXTERIOR BUILING WALL BELOW

(02) SCHEDULED ROOFING SYSTEM OVER 3/4" FRESCO BOARD AND R-19 MIN. RIGID INSULATION

(03) SCHEDULED STANDING SEAM METAL ROOF OVER 2 LAYERS OF 30 LB. FELT PAPER AND 3/4" EXTERIOR GRADE PLYWOOD SUBSTRATE

(04) SCHEDULED STANDING SEAM METAL ROOF OVER 2 LAYERS OF 30 LB. FELT PAPER, R-19 MIN. RIGID INSULATION AND 5/8" MOISTURE RESISTANT GYPSUM BOARD

(05) TAPERED RIGID INSULATION CRICKET

(06) 22 GA. FORMED ANDOIZED ALUMINUM SCUPPER

(07) PREFABRICATED CONRETE SPLASH BLOCK

(08) 22 GA. GALVANIZED PRE-FINISHED METAL GUTTER WITH DOWNSPOUT FINISH TO MATCH METAL ROOF. PROVIDE CONCEALED BRACKET SUPPORT AND SPACER @ 36" O.C. & EXPANSION CAP AS REQUIRED

(09) EXHAUST FAN, TYP. RE: MECH.

(10) ROOF EXPANSION JOINT. RE: 05/T-A09.51

(11) ROOF ACCESS HATCH. RE: 02, 04,/T-A09.51

(12) SUPPORT COLUMN WITH CURB FLASHING, TYP. RE: 09/T-A09.50

(13) VENT THRU ROOF. RE: MECH.

(14) PERFORATED 22 GA. GALVANIZED PRE-FINISHED METAL GUTTER

(15) ROOF DRAIN DETAIL RE:

(16) SCHEDULED ROOF SYSTEM OVER ONE LAYER 30 LB. FELT

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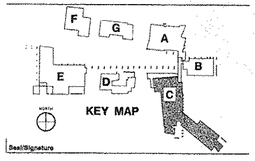
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07	05.09.02 ADDENDUM NO. 3		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature



06/18/02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
ROOF PLAN

Scale
1/16" = 1'-0"

True North

Ref. North

C-A02.07

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NORTH

BUILDING. C - AREA A - FIRST FLOOR - RCP 01

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

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SCHEDULES.
2. REFER TO M.E.P. DRAWINGS FOR DESIGN OF DUCT SIZES, CIRCUITING, ETC., REFLECTED CEILING PLANS TO GOVERN LOCATION OF ITEMS INSTALL IN CEILINGS, NOTIFY OF CONFLICTS.
3. INSTALL REGISTERS & LIGHTING FIXTURES WITHIN CEILING GRIDS, INSTALL SPRINKLER HEADS, DOWNLIGHT FIXTURES OR OTHER CEILING ELEMENTS IN THE GEOMETRIC CENTER OF CEILING TILES OR CENTER OF CORRIDOR, UNLESS NOTED OTHERWISE.
4. CENTER ALL EXIT SIGNS, SMOKE DETECTORS, ETC. ON CENTER OF CORRIDOR AND CENTERLINE OF LIGHT FIXTURES UNLESS NOTED OTHERWISE.
5. REFER TO MEP DRAWINGS FOR EXIT LIGHTS, SWITCHES, FIRE ALARM PULL, A.D.A. STROBE LOCATIONS, ETC., G.C. TO COORDINATE WITH OWNER AND ARCHITECT FOR FINAL LOCATIONS OF ALL M.E.P., LIFE SAFETY, I.T./A.V. AND SECURITY DEVICES.
6. CONTRACTOR SHALL PROVIDE THE NUMBER OF SPRINKLER HEADS & LOCATIONS AS REQUIRED BY GOVERNING CODES & AUTHORITIES AT NO ADDITIONAL COST TO THE OWNER, COORDINATE WITH ARCHITECT FOR FINAL LOCATIONS.
7. SUBMIT SPRINKLER HEAD LAYOUT SHOP DRAWINGS.
8. NO ACCESS PANELS ARE TO BE LOCATED IN GYPSUM BOARD CEILING OF LOBBY, VESTIBULE, PUBLIC CORRIDOR.
9. REFER TO I.T. DRAWINGS FOR ADDITIONAL A.V. EQUIP. INFORMATION AND LOCATIONS, PROVIDE BLOCKING AS REQUIRED FOR MOUNTING EQUIPMENT.
10. ALL EXTERIOR WALLS SHALL EXTEND TO DECK AND BE SEALED, INCLUDING WALLS ADJACENT TO SOFFITS AND ABOVE DOORS AND WINDOWS. THESE EXTERIOR WALLS SHALL BE DAMPPROOFED AND INSULATED.

KEYNOTES

1. LINE OF ROOF SOFFIT ABOVE
2. SCHEDULED MOVABLE CURTAIN WITH ATTACHMENTS
3. PAINTED ALL EXPOSED STRUCTURE RE: MEP DRAWINGS FOR LIGHTING
4. LIGHT COVE WITH CONTINUOUS STAGGERED STRIP FLUORESCENT FIXTURE RE: ELECTRICAL DWGS. AND DETAIL 15/T-A12.41
5. SCHEDULED PROJECTION SCREEN, RE: I.T. DWGS. AND DETAIL 8/T-A12.43
6. CONTINUOUS LINEAR SLOT DIFFUSER, RE: MECHANICAL DWGS.
7. SIDE WALL MOUNTED GRILLE DIFFUSER, RE: MECHANICAL DWGS.
8. SCHED. ROOF EXHAUST FAN, RE: MECH. DWGS.
9. SCHED. HEATER UNIT. RE: MECH. DWGS.
10. ROOF ACCESS HATCH. RE: E-A02.02

LEGEND

- 2x2 CEILING TILE GRID
- LPM 1-3 LINEAR PENDANT MOUNT FIXTURE
- 2'x 4' RECESSED LIGHT FIXTURE
- SUSPENDED FLOURESCENT LIGHT FIXTURE
- 3' STAGGERED STRIPS FOR SOFFIT LIGHTING
- VERTICAL OPEN WALL WASHER DOWNLIGHT
- COMPACT FLOURESCENT LOUVER AND LENSED DOWNLIGHT
- STAGE LIGHT WITH CIRCUIT MOUNT TRACK
- RECESSED DOWNLIGHT W/ LAMP RING
- CANOPY DOWNLIGHT
- SOHO HANGING LAMPS
- HANGING DECORATIVE PENDANT LAMPS
- "ATRIUM" HANGING LIGHT
- AFL 11 WIDE FLOOD
- AFL 14 NARROW FLOOD
- EXTERIOR FLOOD LAMP
- WALL MOUNTED FIXTURE
- SUPPLY GRILLE COORDINATE WITH MEP DRAWINGS
- RETURN GRILLE COORDINATE WITH MEP DRAWINGS
- LINEAR DIFFUSER COORDINATE WITH MEP DRAWINGS
- EXHAUST FAN
- EXIT SIGN
- SMOKE DETECTOR
- RECESSED CEILING SPEAKER
- PLASTER SOFFIT
- SUSPENDED GYPSUM BOARD CEILING
- 1X1" WIRE MESH
- SAT IN GRID OR 2'X2' GRID
- METAL ROOF

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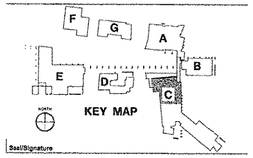
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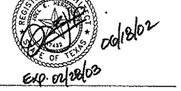
Landscape Design
SLA Studio Land
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	Issue	Date & Issue Description	By	Check
---	01	10.11.01		
		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

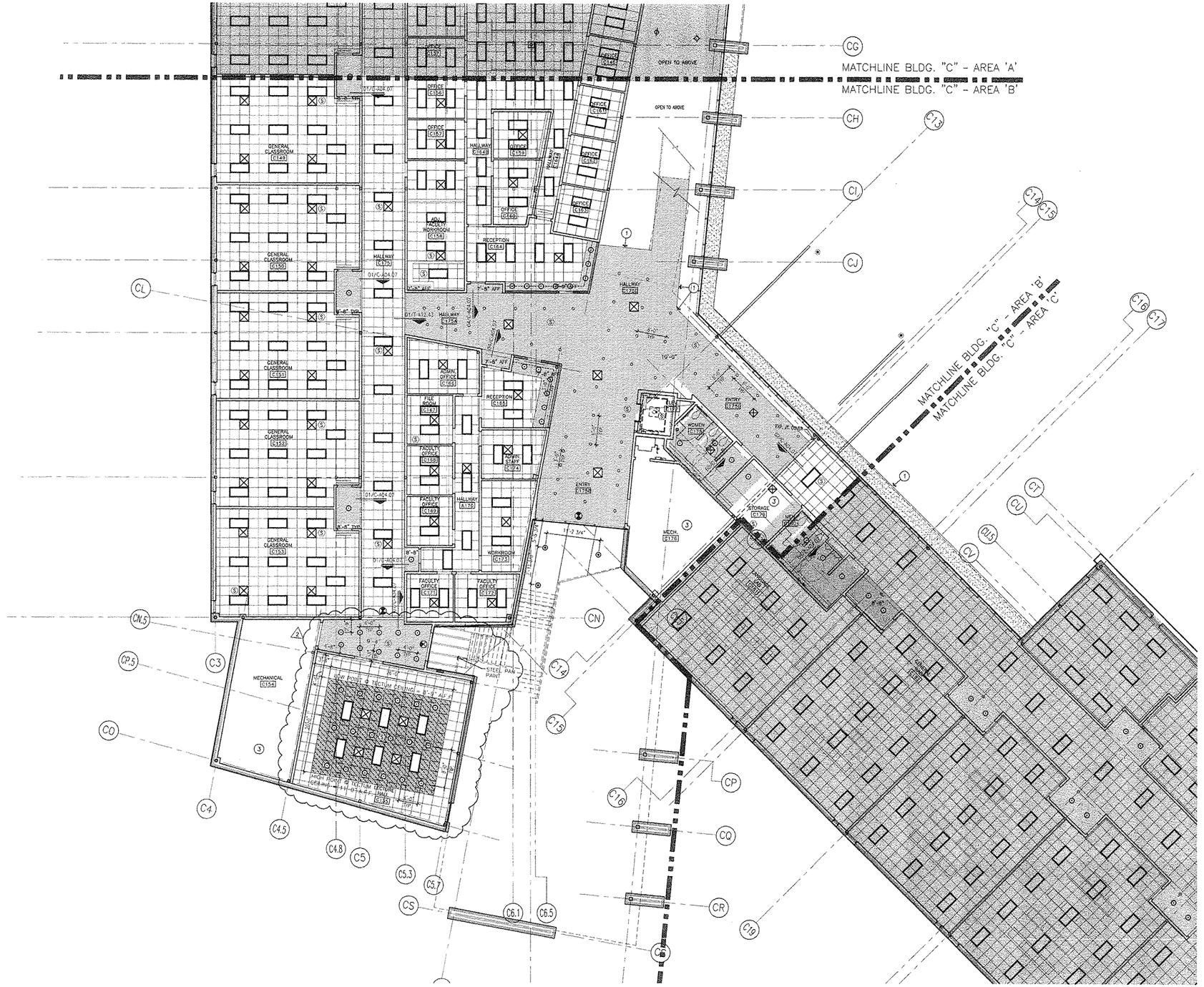
Description
BUILDING C - AREA A
FIRST FLOOR REFLECTED CEILING PLAN

Scale
1/8" = 1'-0"

True North
Ref. North

C-A04.01

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KEYNOTES

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5. SCHEDULED PROJECTION SCREEN. RE: I.T. DWGS. AND DETAIL 8/T-A12.43
6. CONTINUOUS LINEAR SLOT DIFFUSER. RE: MECHANICAL DWGS.
7. SIDE WALL MOUNTED GRILLE DIFFUSER. RE: MECHANICAL DWGS.
8. SCHED. ROOF EXHAUST FAN. RE: MECH. DWGS.
9. SCHED. HEATER UNIT. RE: MECH. DWGS.
10. ROOF ACCESS HATCH. RE: E-A02.02

LEGEND

- 2x2 CEILING TILE GRID
- LOW 1-3 LINEAR PENDANT MOUNT FIXTURE
- 2'x 4' RECESSED LIGHT FIXTURE
- SUSPENDED FLOURESCENT LIGHT FIXTURE
- 8' STAGGERED STRIPS FOR SOFFIT LIGHTING
- VERTICAL OPEN WALL WASHER DOWNLIGHT
- COMPACT FLOURESCENT LOUVER AND LENSED DOWNLIGHT
- STAGE LIGHT WITH CIRCUIT MOUNT TRACK
- RECESSED DOWNLIGHT W/ LAMP RING
- CANOPY DOWNLIGHT
- SOHO HANGING LAMPS
- HANGING DECORATIVE PENDANT LAMPS
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- EXTERIOR FLOOD LAMP
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- SUSPENDED GYPSUM BOARD CEILING
- 1/2" MIRE MESH
- 24" SL TEXTURE ON 2'x2' GRID
- METAL ROOF

NORTH

BUILDING. C - AREA B - FIRST FLOOR - RCP 01

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

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02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION

KEY MAP

Seal/Signature

REGISTERED ARCHITECT — STATE OF TEXAS — Exp. 02/28/03 — 06/18/02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

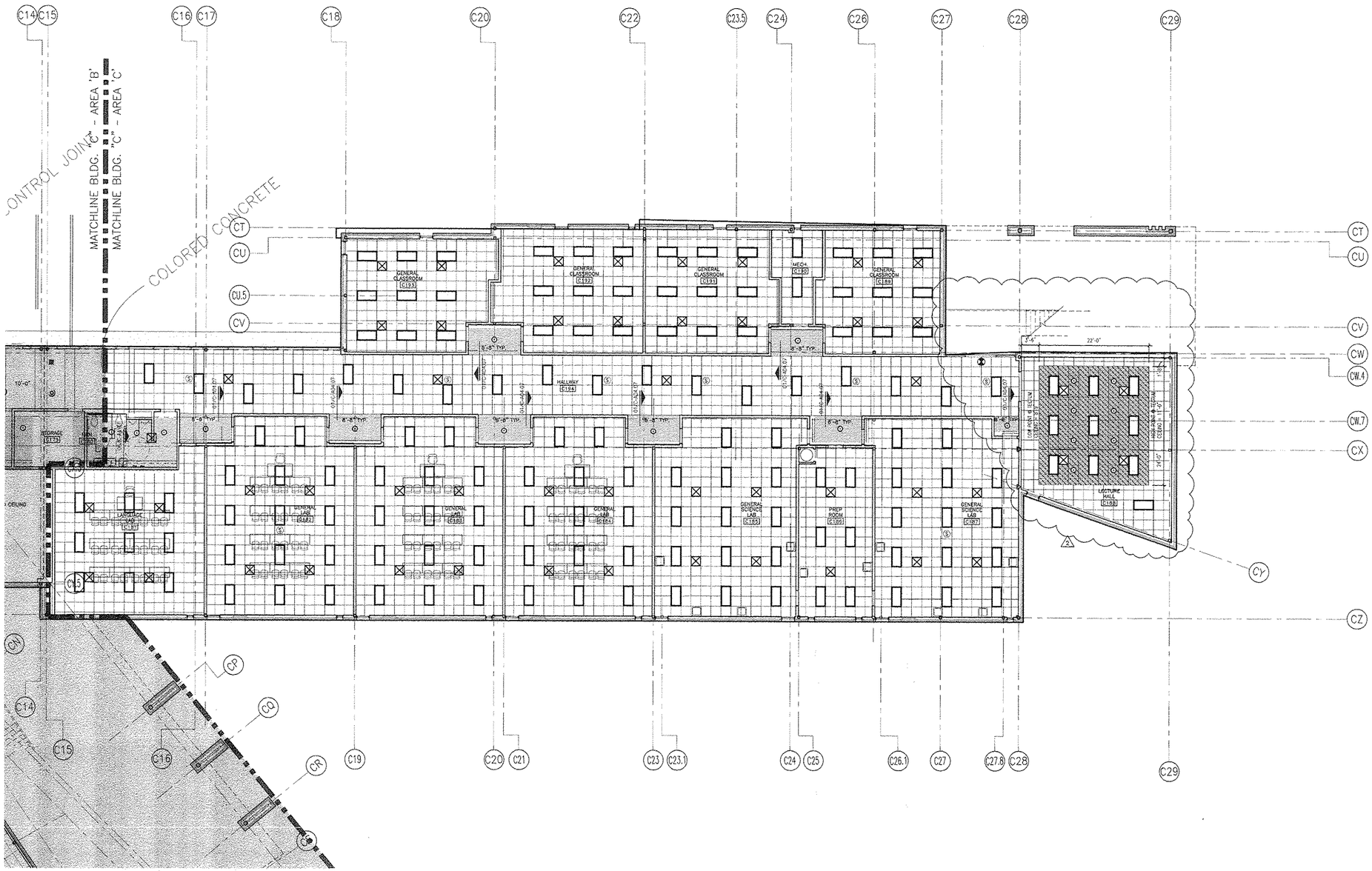
Description
BUILDING C - AREA B
FIRST FLOOR REFLECTED CEILING PLAN

Scale
1/8" = 1'-0"

C-A04.02

True North
Ref. North

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GENERAL NOTES

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10. ROOF ACCESS HATCH. RE: E-A02.02

LEGEND

- 2x2 CEILING TILE GRID
- LDN 1-3 LINEAR PENDANT MOUNT FIXTURE
- 2'x 4' RECESSED LIGHT FIXTURE
- SUSPENDED FLOURESCENT LIGHT FIXTURE
- 2" STAGGERED STRIPS FOR SOFFIT LIGHTING
- VERTICAL OPEN WALL WASHER DOWNLIGHT
- COMPACT FLUORESCENT LOUVER AND LENSED DOWNLIGHT
- STAGE LIGHT WITH CIRCUIT MOUNT TRACK
- RECESSED DOWNLIGHT W/ LAMP RING
- CANOPY DOWNLIGHT
- SEMI HANGING LAMPS
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NORTH

BUILDING. C - AREA C - FIRST FLOOR - RCP 01

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

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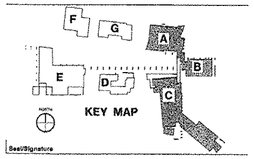
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	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C - AREA C
FIRST FLOOR REFLECTED CEILING PLAN

Scale
1/8" = 1'-0"

True North

Ref. North

C-A04.03

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NORTH

BUILDING. C - AREA A - SECOND FLOOR - RCP 01

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

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10. ROOF ACCESS HATCH. RE: E-A02.02

LEGEND

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- LOW 1-3 LINEAR PENDANT MOUNT FIXTURE
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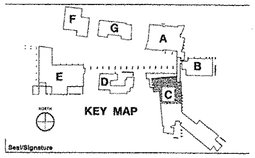
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	05	04.11.02 CONSTRUCTION DOCUMENTS		
⚠	06	05.09.02 ADDENDUM NO. 3		

ISSUE FOR
~~JUN 1 8 2002~~
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT STATE OF TEXAS
05/09/02
Exp. 08/31/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C - AREA A
SECOND FLOOR REFLECTED CEILING PLAN

Scale
1/8" = 1'-0"

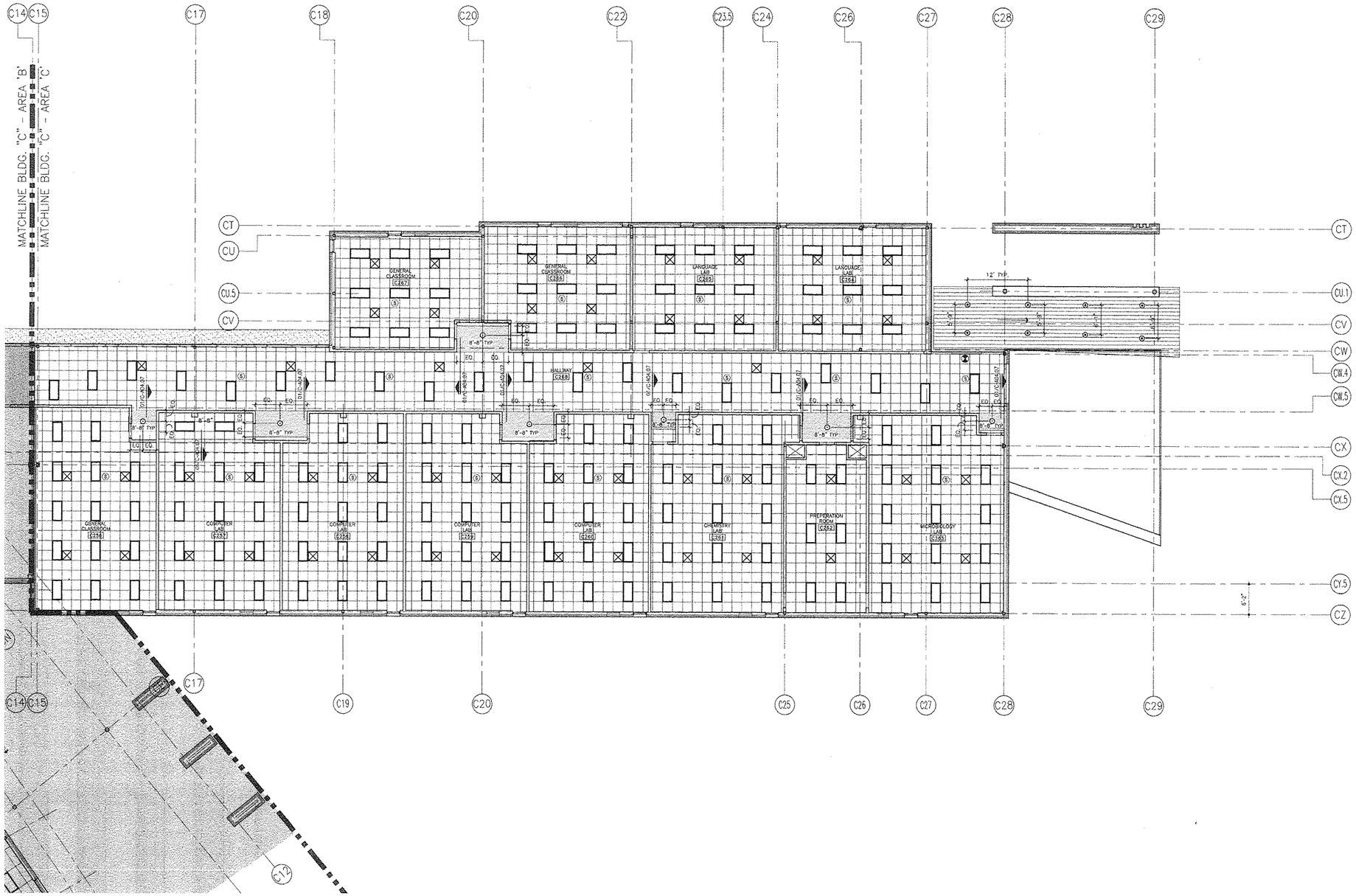
True North

Ref. North

C-A04.04

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MATCHLINE BLDG. "C" - AREA 'B'
MATCHLINE BLDG. "C" - AREA 'B'
MATCHLINE BLDG. "C" - AREA 'C'
CH
CI
CI.3
CJ
CJ.1
CK
CL
CM
CN
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CP
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CQ
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CS
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CV
C1
C1.4
C1.5
C2
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C4
C4.5
C4.8
C5
C5.3
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C6.5
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C16
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STORAGE C-231
CET LAB C-237
CLASSROOM C-236
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I.T. INSTRUCTION C-243
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ENTRY C-252
ELEC. C-254
MECHANICAL C-254
EXPANSION JOINT COVER
HALLWAY C-255
STORAGE C-247
SEATING C-246
Low point for tension string 3'10" A.F.F.
High point for tension string 11'-9" A.F.F.
LECTURE / LEARNING C-244
26'-0"
01/C-A04.07
8'-6" TYP.
8" TYP.
01/C-A12.43
ON CENTER
ON CENTER
ON CENTER



NORTH

BUILDING. C - AREA C - SECOND FLOOR - RCP 01

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

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SCHEDULES.
2. REFER TO M.E.P. DRAWINGS FOR DESIGN OF DUCT SIZES, CIRCUITING, ETC., REFLECTED CEILING PLANS TO GOVERN LOCATION OF ITEMS INSTALL IN CEILINGS, NOTIFY OF CONFLICTS.
3. INSTALL REGISTERS & LIGHTING FIXTURES WITHIN CEILING GRIDS, INSTALL SPRINKLER HEADS, DOWNLIGHT FIXTURES OR OTHER CEILING ELEMENTS IN THE GEOMETRIC CENTER OF CEILING TILES OR CENTER OF CORRIDOR, UNLESS NOTED OTHERWISE.
4. CENTER ALL EXIT SIGNS, SMOKE DETECTORS, ETC. ON CENTER OF CORRIDOR AND CENTERLINE OF LIGHT FIXTURES UNLESS NOTED OTHERWISE.
5. REFER TO MEP DRAWINGS FOR EXIT LIGHTS, SWITCHES, FIRE ALARM PULL, A.D.A. STROBE LOCATIONS, ETC., G.C. TO COORDINATE WITH OWNER AND ARCHITECT FOR FINAL LOCATIONS OF ALL M.E.P., LIFE SAFETY, I.T./A.V. AND SECURITY DEVICES.
6. CONTRACTOR SHALL PROVIDE THE NUMBER OF SPRINKLER HEADS & LOCATIONS AS REQUIRED BY GOVERNING CODES & AUTHORITIES AT NO ADDITIONAL COST TO THE OWNER, COORDINATE WITH ARCHITECT FOR FINAL LOCATIONS.
7. SUBMIT SPRINKLER HEAD LAYOUT SHOP DRAWINGS.
8. NO ACCESS PANELS ARE TO BE LOCATED IN GYPSUM BOARD CEILING OF LOBBY, VESTBULE, PUBLIC CORRIDOR.
9. REFER TO I.T. DRAWINGS FOR ADDITIONAL A.V. EQUIP. INFORMATION AND LOCATIONS, PROVIDE BLOCKING AS REQUIRED FOR MOUNTING EQUIPMENT.
10. ALL EXTERIOR WALLS SHALL EXTEND TO DECK AND BE SEALED, INCLUDING WALLS ADJACENT TO SOFFITS AND ABOVE DOORS AND WINDOWS. THESE EXTERIOR WALLS SHALL BE DAMPPROOFED AND INSULATED.

KEYNOTES

1. LINE OF ROOF SOFFIT ABOVE
2. SCHEDULED MOVABLE CURTAIN WITH ATTACHMENTS
3. PAINTED ALL EXPOSED STRUCTURE RE: MEP DRAWINGS FOR LIGHTING
4. LIGHT COVE WITH CONTINUOUS STAGGERED STRIP FLUORESCENT FIXTURE RE: ELECTRICAL DWGS. AND DETAIL 15/1-A12.41
5. SCHEDULED PROJECTION SCREEN. RE: I.T. DWGS. AND DETAIL 8/T-A12.43
6. CONTINUOUS LINEAR SLOT DIFFUSER, RE: MECHANICAL DWGS.
7. SIDE WALL MOUNTED GRILLE DIFFUSER, RE: MECHANICAL DWGS.
8. SCHED. ROOF EXHAUST FAN, RE: MECH. DWGS.
9. SCHED. HEATER UNIT. RE: MECH. DWGS.
10. ROOF ACCESS HATCH. RE: E-A02.02

LEGEND

- 2x2 CEILING TILE GRID
- LOW 1-3 LINEAR PENDANT MOUNT FIXTURE
- 2'x 4' RECESSED LIGHT FIXTURE
- SUSPENDED FLOURESCENT LIGHT FIXTURE
- 2' STAGGERED STRIPS FOR SOFFIT LIGHTING
- VERTICAL OPEN WALL WASHER DOWNLIGHT
- COMPACT FLOURESCENT LOUVER AND LENSED DOWNLIGHT
- STAGE LIGHT WITH CIRCUIT MOUNT TRACK
- RECESSED DOWNLIGHT W/ LAMP RING
- CANOPY DOWNLIGHT
- SOHO WASHING LAMPS
- HANGING DECORATIVE PENDANT LAMPS
- "ATRIUM" HANGING LIGHT
- AFL 11 WIDE FLOOD
- AFL 14 NARROW FLOOD
- EXTERIOR FLOOD LAMP
- WALL MOUNTED FIXTURE
- SUPPLY GRILLE COORDINATE WITH MEP DRAWINGS
- RETURN GRILLE COORDINATE WITH MEP DRAWINGS
- LINEAR DIFFUSER COORDINATE WITH MEP DRAWINGS
- EXHAUST FAN
- EXIT SIGN
- SMOKE DUCTOR
- RECESSED CEILING SPEAKER
- PLASTER SOFFIT
- SUSPENDED GYPSUM BOARD CEILING
- 1X1" WIRE MESH
- LAY IN TEXTUM ON 2'X2' GRID
- METAL ROOF

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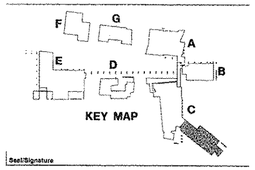
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02	12.06.01	DESIGN DEVELOPMENT		
03	02.15.02	50% C.D. REVIEW		
04	03.15.02	90% C.D. REVIEW		
05	04.11.02	CONSTRUCTION DOCUMENTS		

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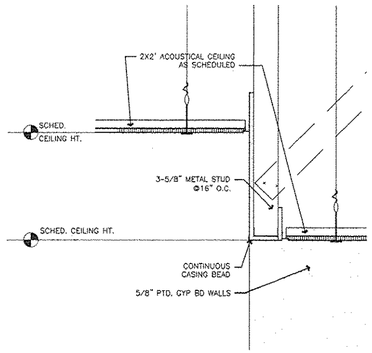
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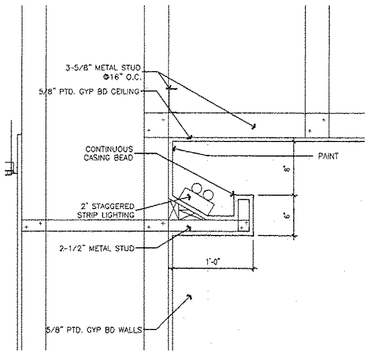
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C-A04.06

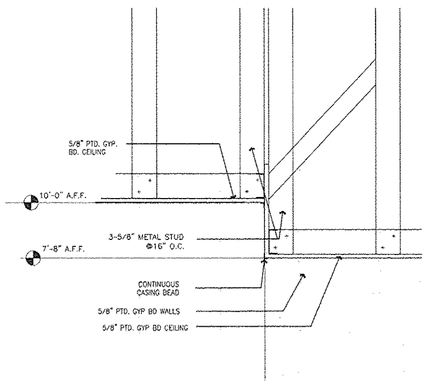
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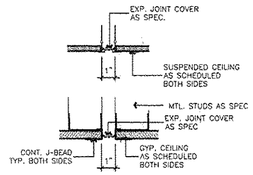
TYP. FURRDOWN 06
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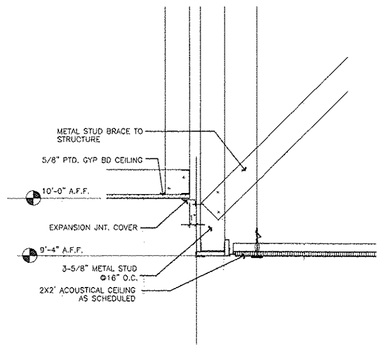
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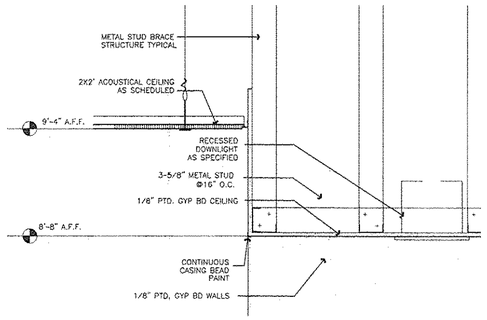
TYP. FURRDOWN 04
SCALE: 1 1/2"=1'-0"



EXPANSION JOINT 03
SCALE: 3"=1'-0"



EXPANSION JOINT 02
SCALE: 1 1/2"=1'0"



BLDG C TYP. HALLWAY FURRDOWN 01
SCALE: 1-1/2"=1'-0"

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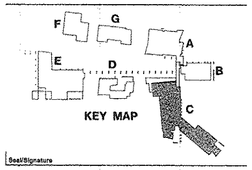
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05	04.11.02 CONSTRUCTION DOCUMENTS		

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Project Number
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CAD File Name

Description
BUILDING C
FURR DOWN DETAILS

Scale

C-A04.07

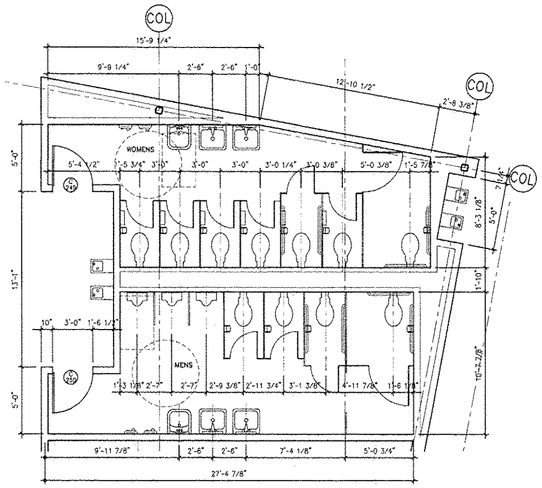
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LABEL	DESCRIPTION	REMARKS
TA-1	SOAP DISPENSER	O.F.C.I.
TA-2	TEMPERED MIRROR W/STAINLESS STEEL CHANNEL FRAME AND SHELF	
TA-3	RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE	
TA-4	NAPKIN/TAMPOND VENDOR	
TA-5	SHOWER SEAT	
TA-6	SHOWER CURTAIN ROD	
TA-7	SHOWER/CURTAIN HOOKS	
TA-8	ROBE HOOK	
TA-9	HAND/HAIR DRYER	
TA-10	36" GRAB BAR	
TA-11	42" GRAB BAR	
TA-12	24"X 42" GRAB BAR	
TA-13	RECESSED SOAP DISH	
TA-14	SURFACE MOUNTED TOILET TISSUE DISPENSER WITH SHELF	
TA-15	SURFACE MOUNTED SEAT COVER DISPENSER	
TA-16	SURFACE MOUNTED NAPKIN DISPOSAL	
TA-17	HAT & COAT RACK	
TA-18	UTILITY SHELVES	
TA-19	BABY CHANGING STATION	
TA-20	HOOK & BUMPER	
TA-21	DOOR STOP	
TA-22	BENCH ANCHOR TO SLAB	
TA-23	FLOOR DRAIN RE: MECHANICAL	
TA-24	LOCKERS	
TA-25	JANITOR'S MOP SINK RE: MECH.	
TA-26	HANDICAP TILT MIRROR 18"X30"	

NOTE: ALL TOILET ACCESSORIES SHALL BE CONTRACTOR FURNISHED AND INSTALLED, UNLESS NOTED OTHERWISE.

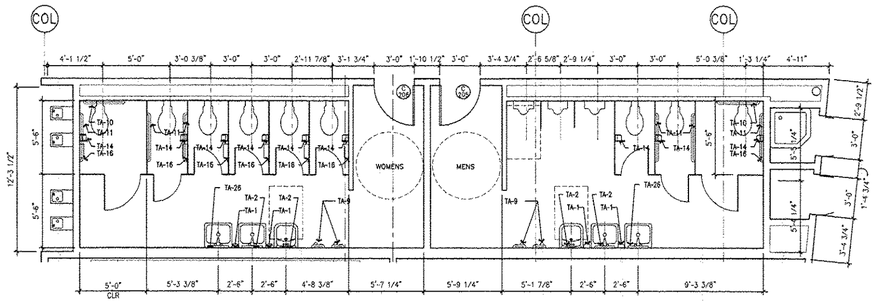
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KEYNOTES 09



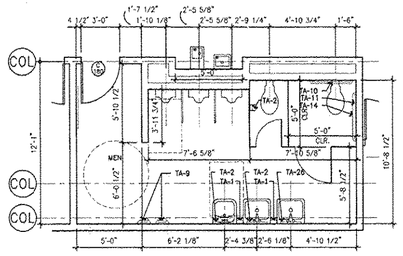
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SCALE: 1/4"=1'-0"



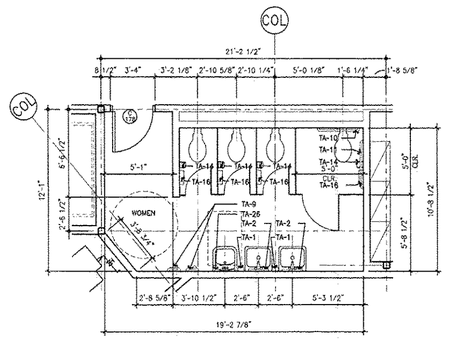
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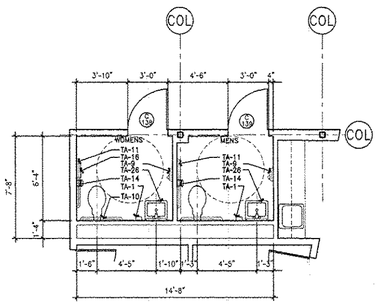
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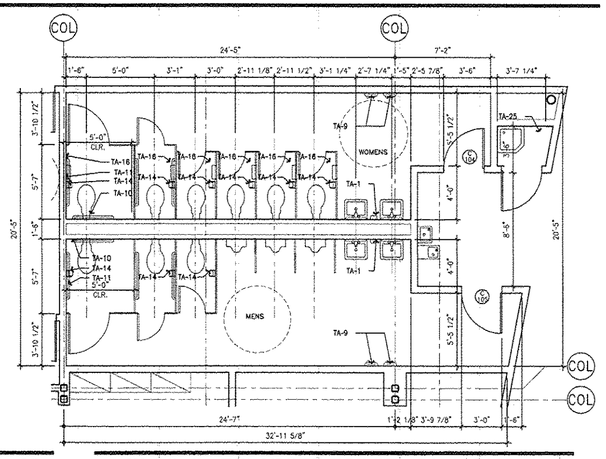
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SCALE: 1/4"=1'-0"



BLDG. C - ENLARGED TOILET - C138, C139 02

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



BLDG. C - ENLARGED TOILET - C104, C105 01

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

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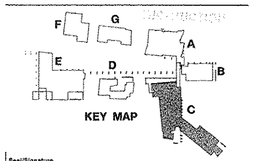
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EXP. 12/31/03

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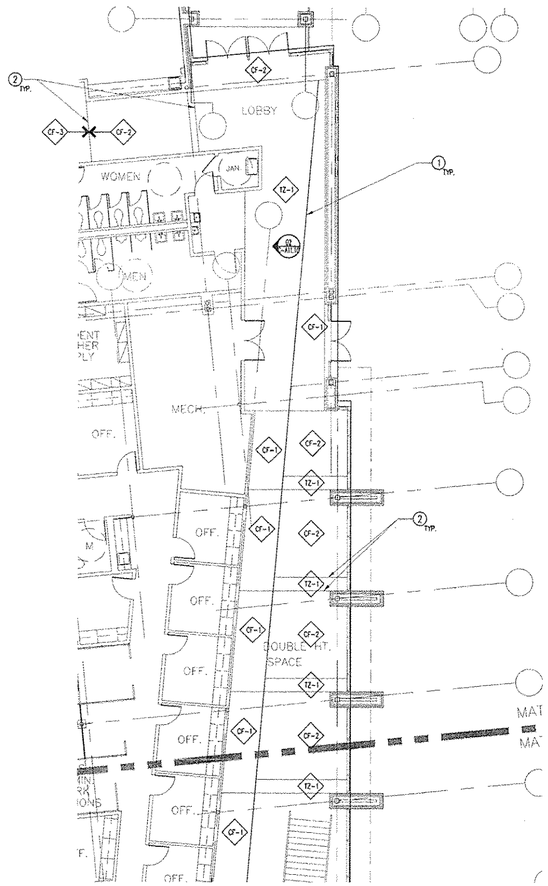
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ENLARGED PLANS

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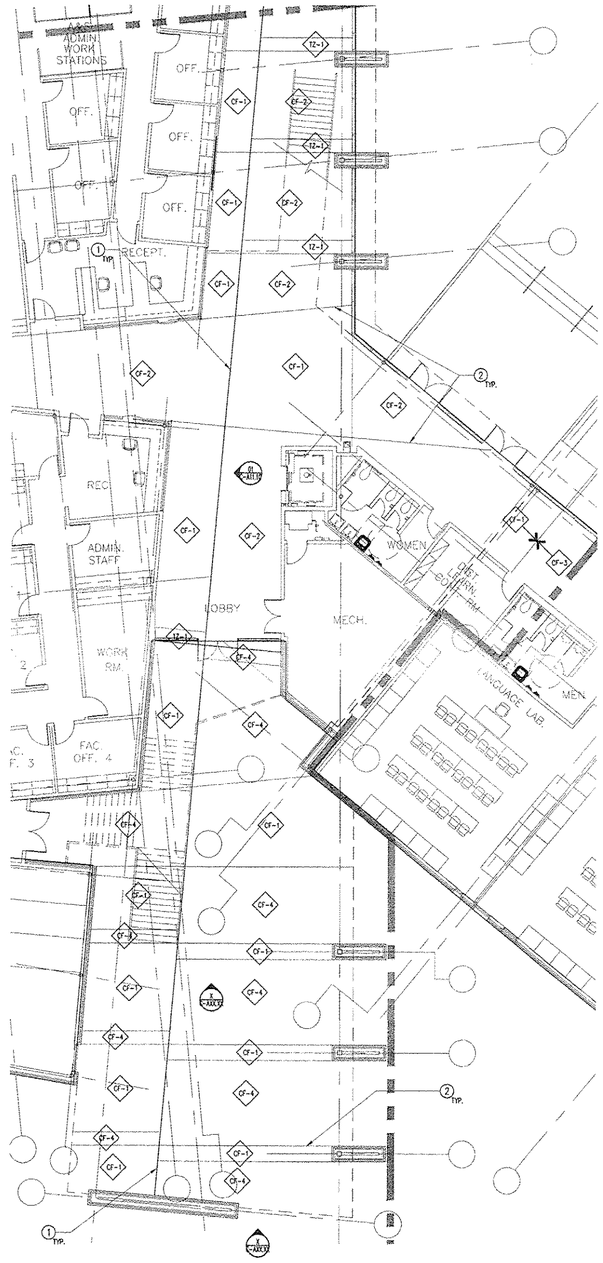
C-A08.01

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BLDG. C - FIRST LEVEL ENLARGED MAIN STREET - AREA A
SCALE: 1/8" = 1'-0"

12



BLDG. C - FIRST LEVEL ENLARGED MAIN STREET - AREA B
SCALE: 1/8" = 1'-0"

04

KEY NOTES

1. 1/2" ZINC STRIP.
2. 1/4" ZINC STRIP.

SHEET NOTES

1. RE: FINISH SCHEDULE FOR FLOOR FINISH INFORMATION

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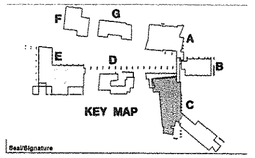
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KEY MAP

Seal/Signature



04/11/02

Project Name
EXP. 04/28/03
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name
L:02.1110.000/Cad/Sheets/Building C/C-A08-10.dwg

Description
ENLARGED PLAN

Scale

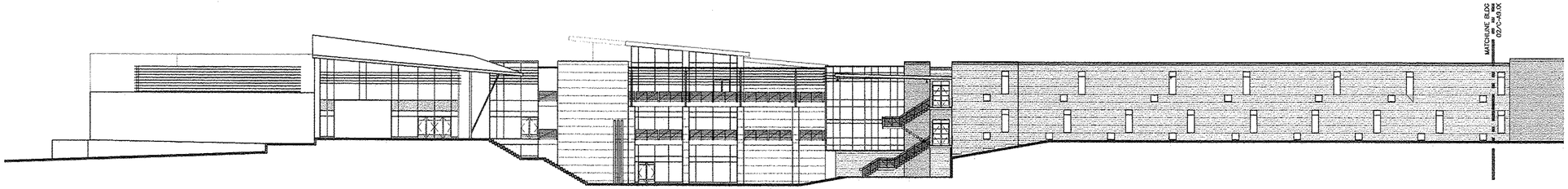
True North

Ref. North

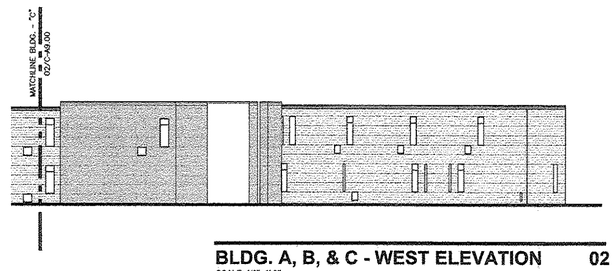
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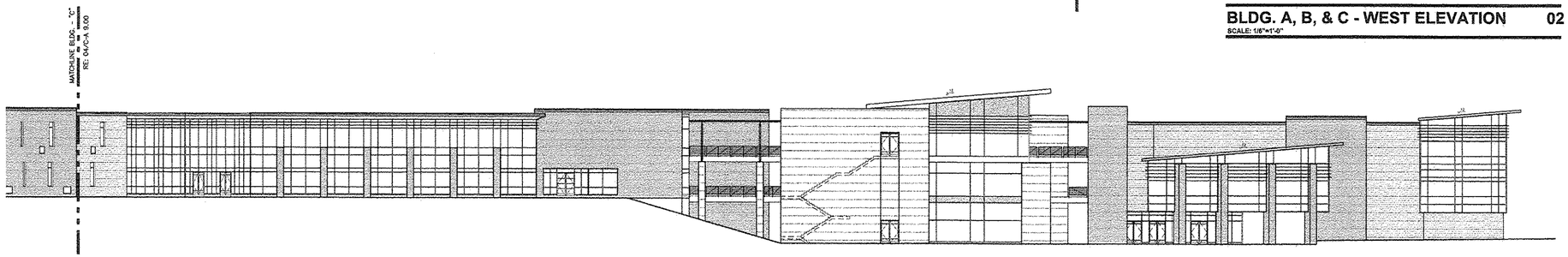
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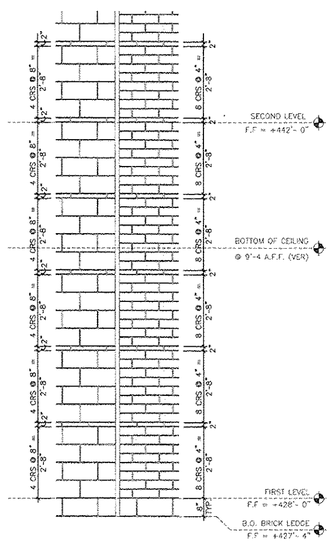
BLDG. A, B, & C - WEST ELEVATION **01**
SCALE: 1/16"=1'-0"



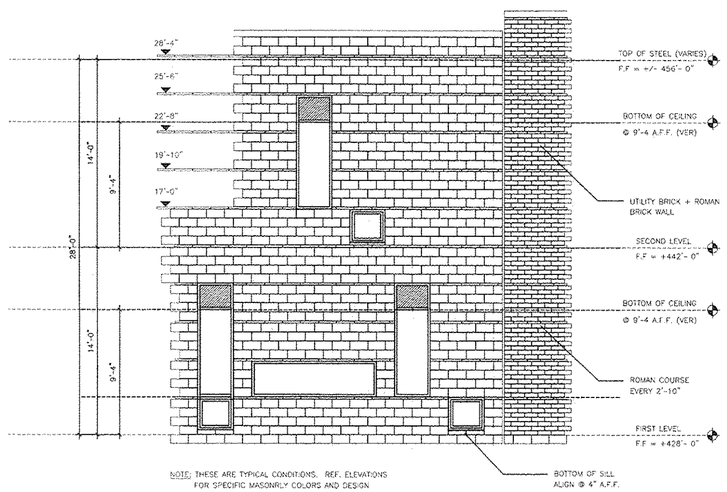
BLDG. A, B, & C - WEST ELEVATION **02**
SCALE: 1/16"=1'-0"



BLDG. A, B, & C - EAST ELEVATION **03**
SCALE: 1/16"=1'-0"

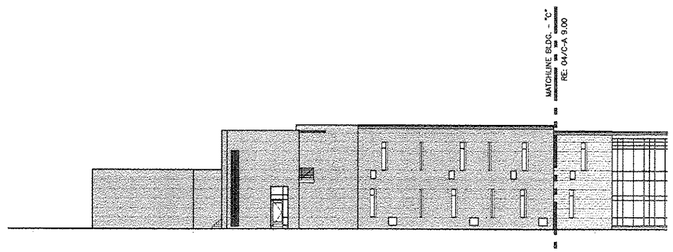


TYPICAL BRICK PATTERN **06**
SCALE: 1/2"=1'-0"



NOTE: THESE ARE TYPICAL CONDITIONS. REF. ELEVATIONS FOR SPECIFIC MASONRY COLORS AND DESIGN

TYPICAL BRICK TYPES **05**
SCALE: 1/4"=1'-0"



BLDG. A, B, & C - EAST ELEVATION **04**
SCALE: 1/16"=1'-0"

Laredo Community College
Second Campus

Laird Hall Rm. 125
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Food Service Consultant
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10850 Richmond Ave.
Suite 330
Houston, TX 77042
(713) 784.3212/ (713) 784.2933 Fax

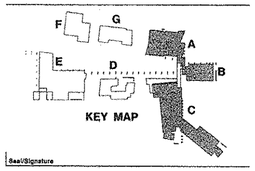
Civil Engineer
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Issue	Date & Issue Description	By	Check
01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

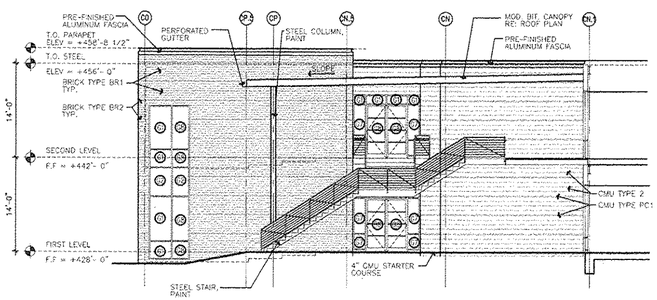
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BUILDING A, B, C
EXTERIOR ELEVATIONS

Scale
1/8" = 1'-0"

True North
Ref. North

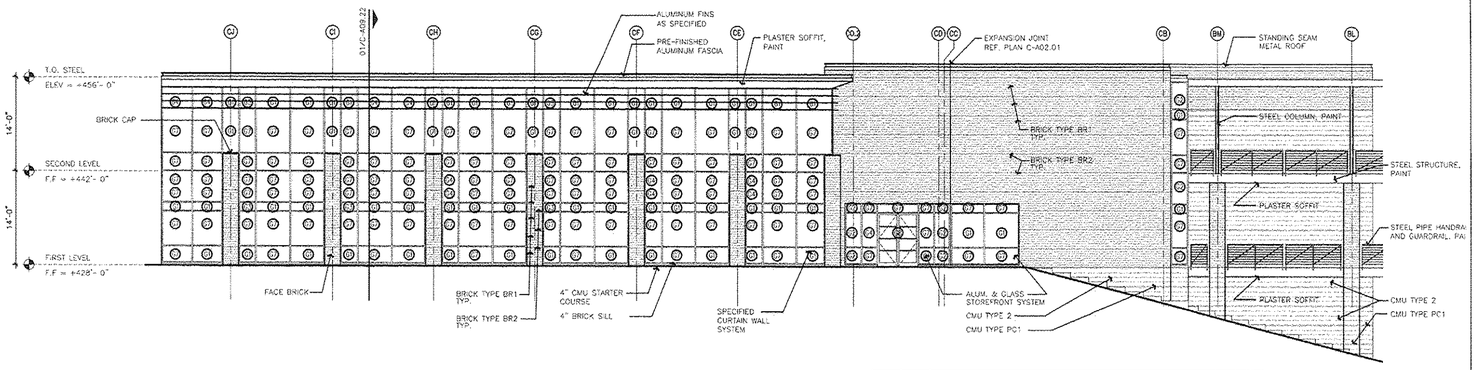
C-A09.00

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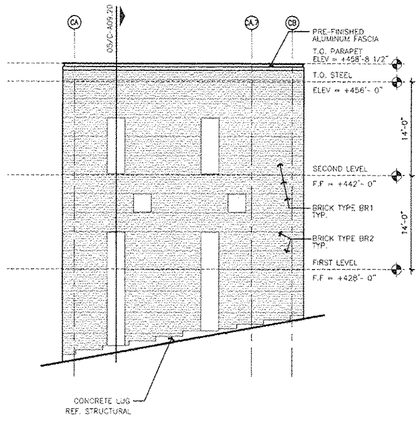
BLDG. C - EAST ELEVATION 06

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



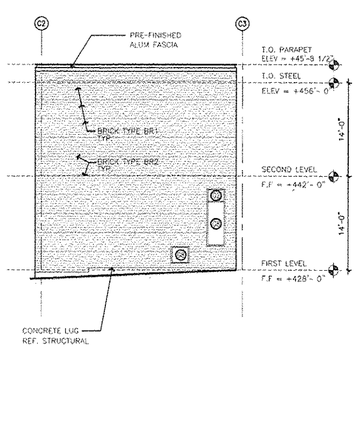
BLDG. C - EAST ELEVATION 05

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



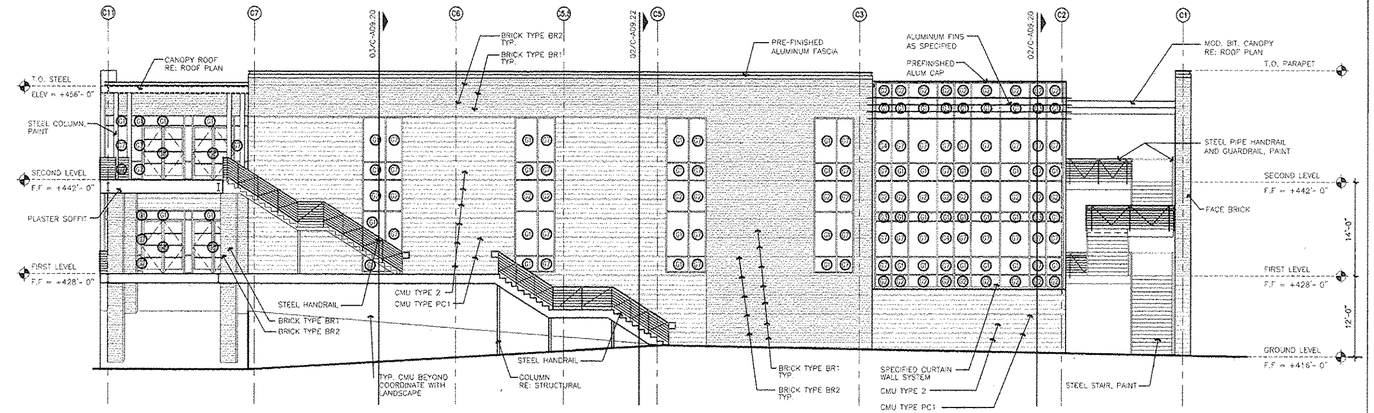
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SCALE: 1/8"=1'-0"



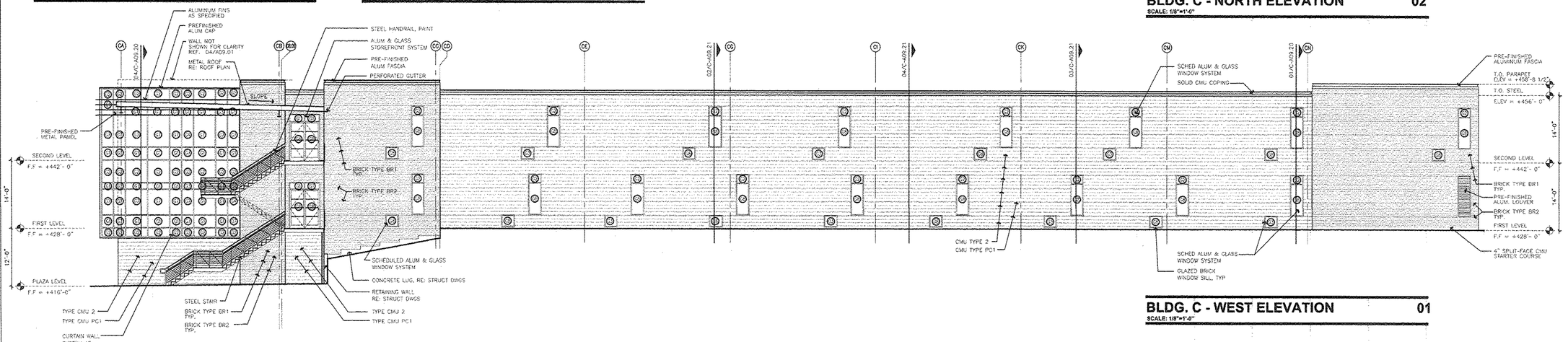
BLDG. C - SOUTH ELEVATION 03

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



BLDG. C - NORTH ELEVATION 02

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



BLDG. C - WEST ELEVATION 01

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

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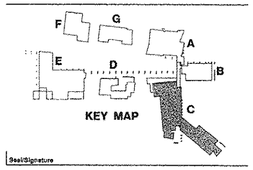
Civil Engineer
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1202 Houston St. Suite 200
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Issue	Date & Issue Description	By	Check
01	10.11.01 SCHEMATIC DESIGN & PRICING		
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04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT
STATE OF TEXAS
17455
04/11/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

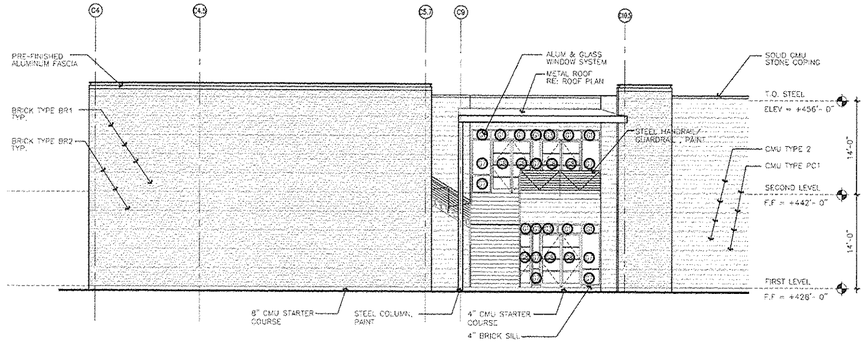
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Description
BUILDING C
EXTERIOR ELEVATIONS

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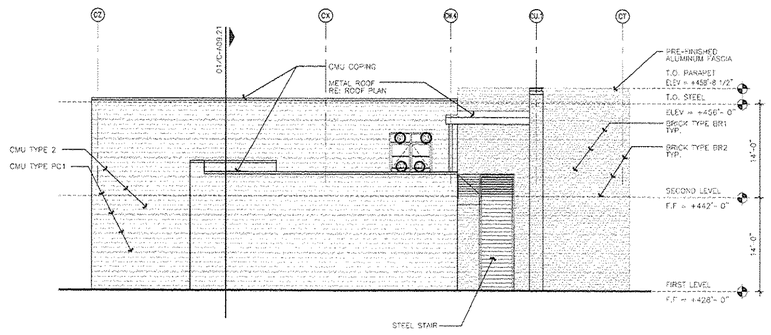
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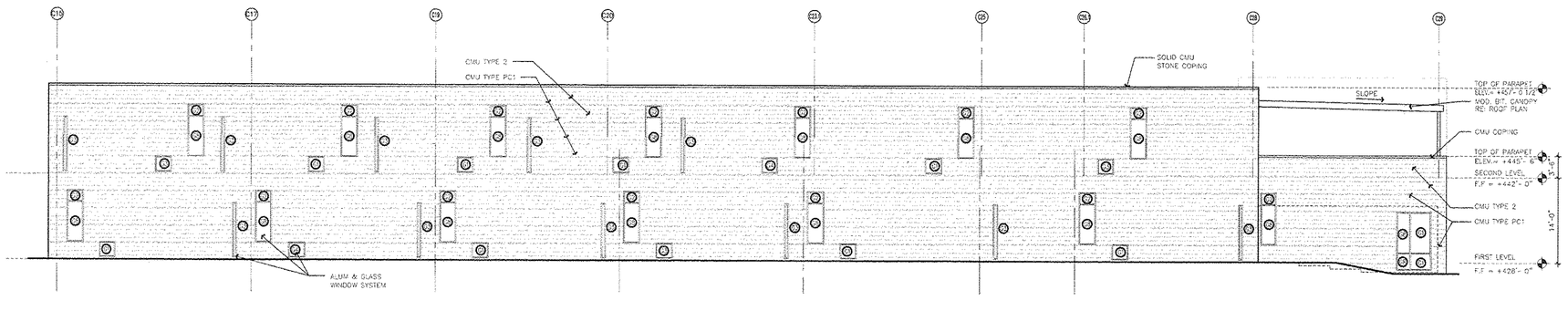
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SCALE: 1/8"=1'-0"



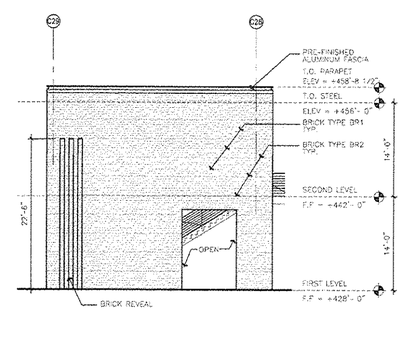
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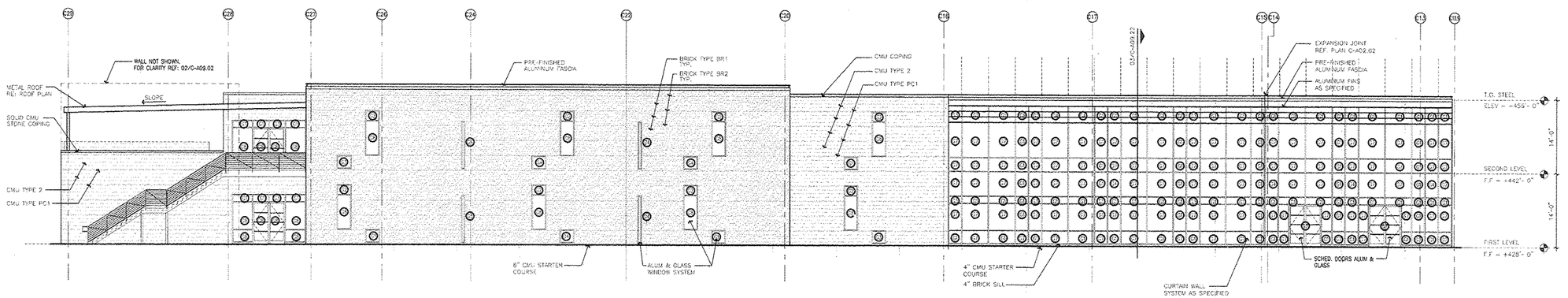
BLDG. C - SOUTHWEST ELEVATION 03

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



BLDG. C - WALL ELEVATION 02

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



BLDG. C - NORTHEAST ELEVATION 01

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

Laredo Community College

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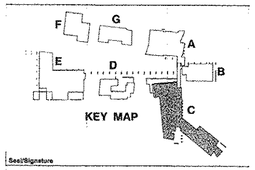
Civil Engineer
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Issue	Date & Issue Description	By	Check
--- 01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT — 04/11/02 — Exp. 04/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

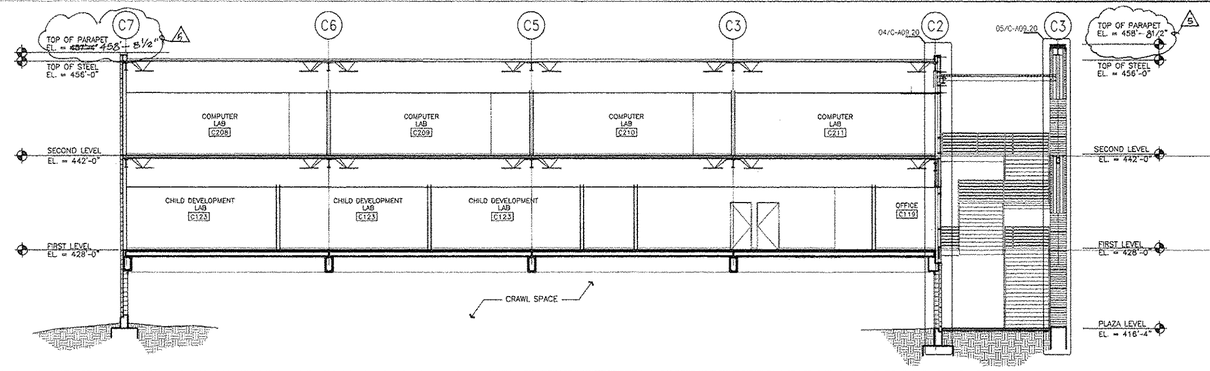
CAD File Name

Description
BUILDING C
EXTERIOR ELEVATIONS

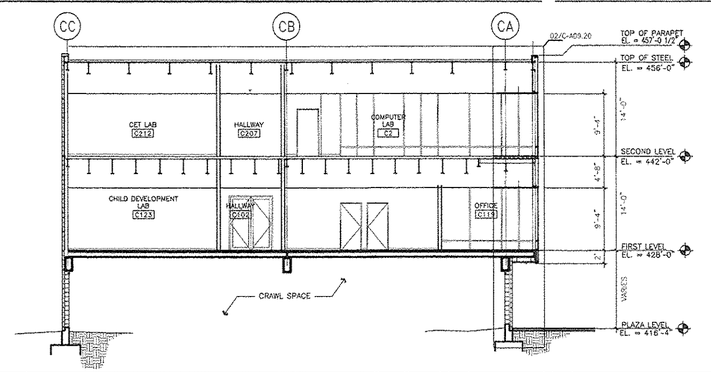
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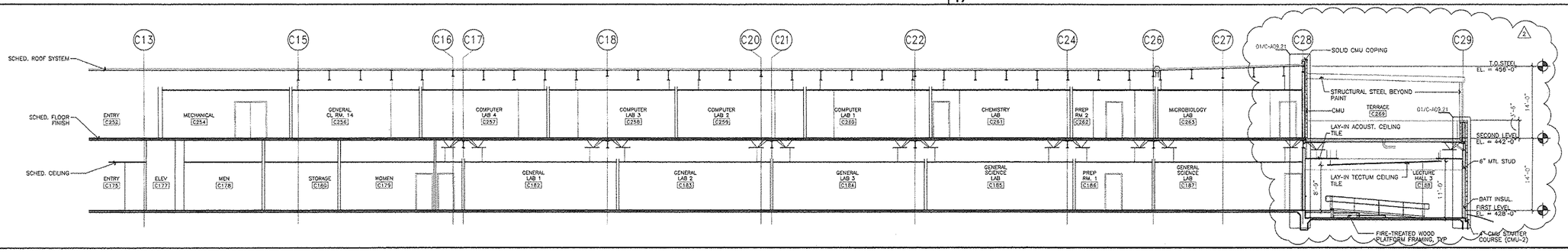
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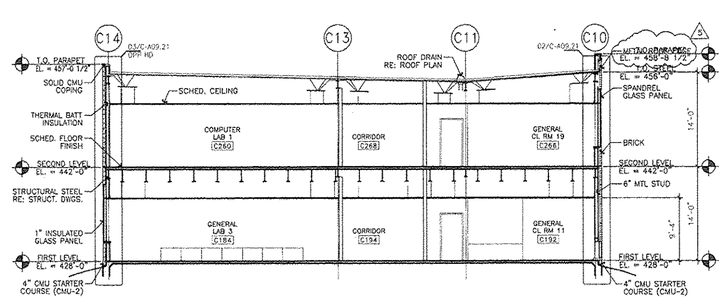
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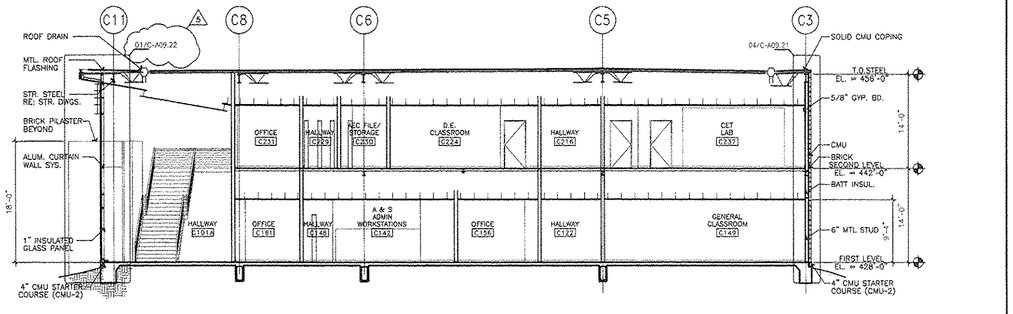
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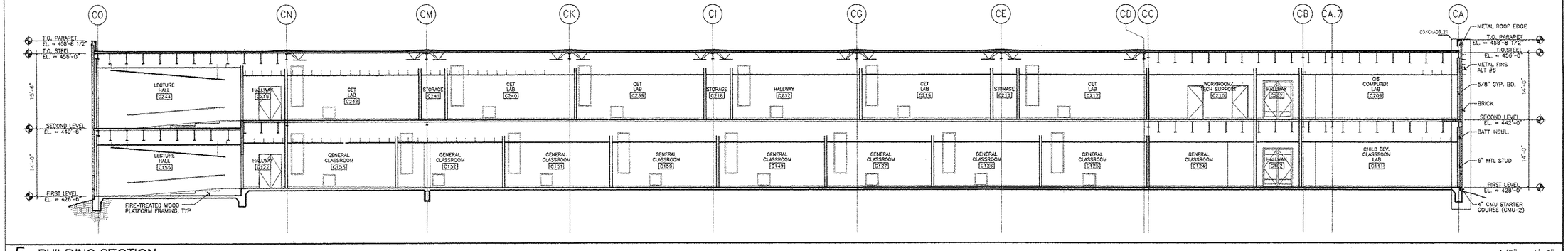
15 BUILDING SECTION



9 BUILDING SECTION



7 BUILDING SECTION



5 BUILDING SECTION

1/8" = 1'-0"

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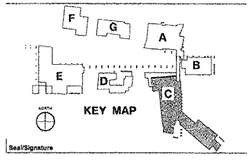
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	Issue	Date & Issue Description	By	Check
---	01	10.11.01		
		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		
1	06	05.06.02		
		ADDENDUM NO. 2		
2	07	05.13.02		
		ADDENDUM NO. 5		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT — STATE OF TEXAS — 15455

Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
BUILDING SECTIONS

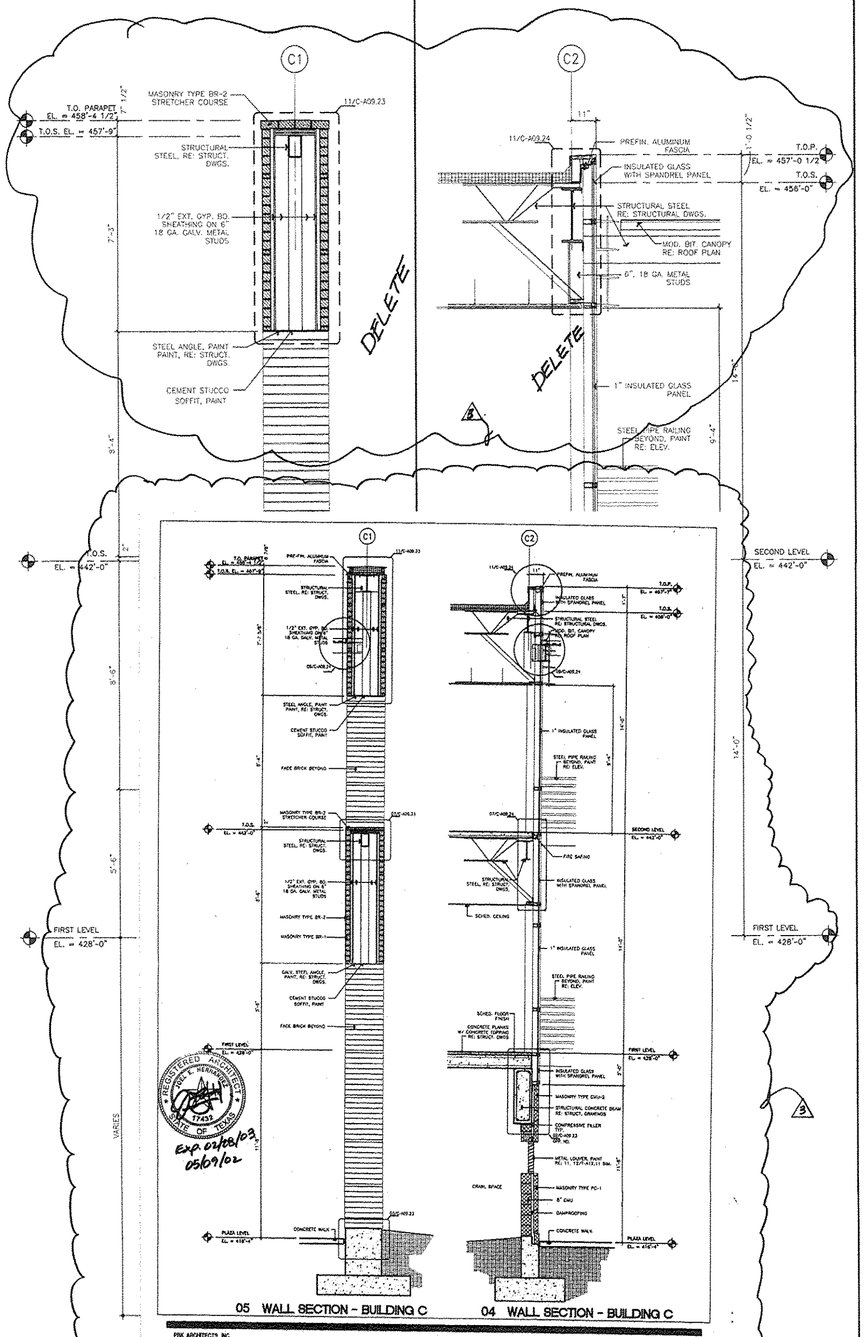
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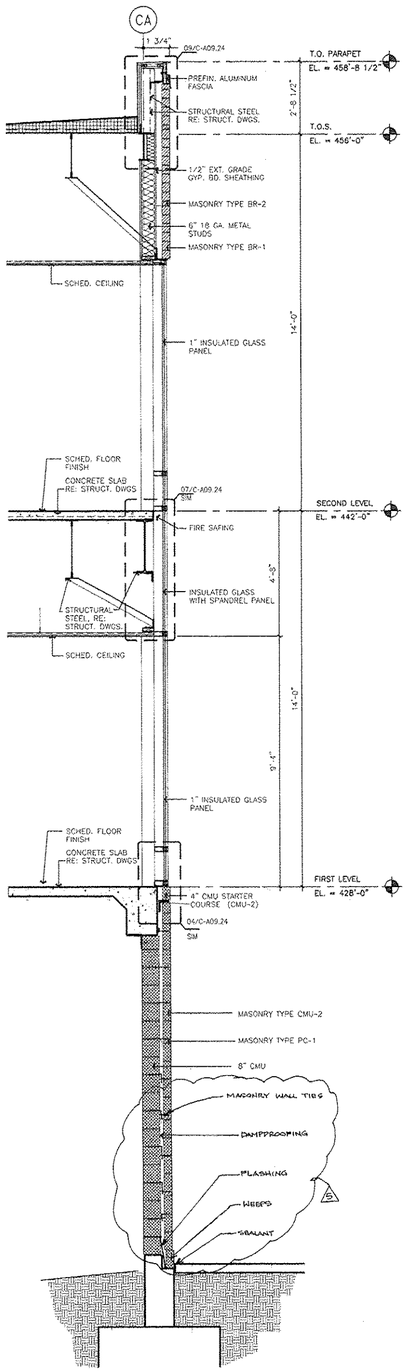
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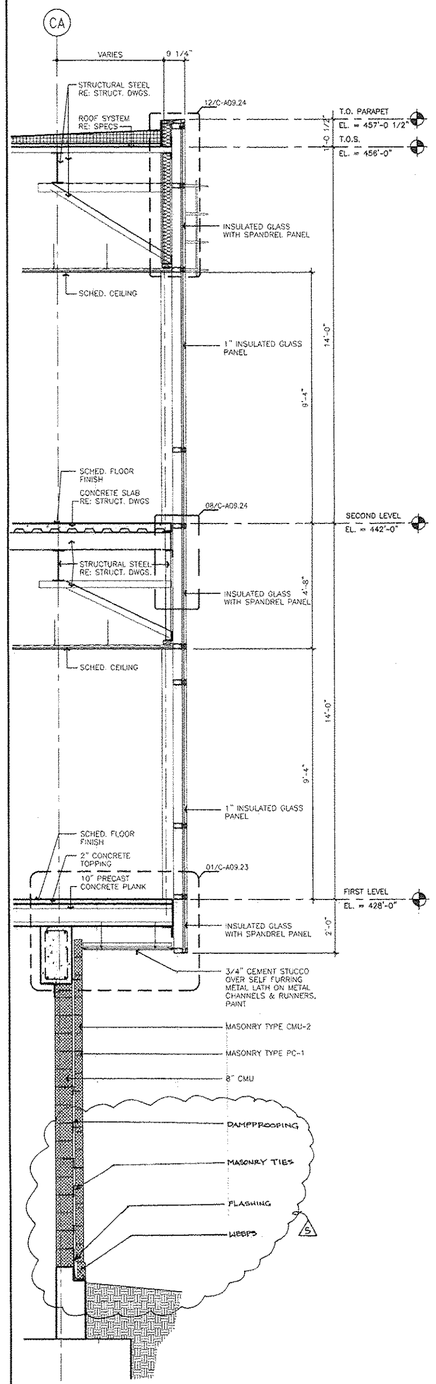
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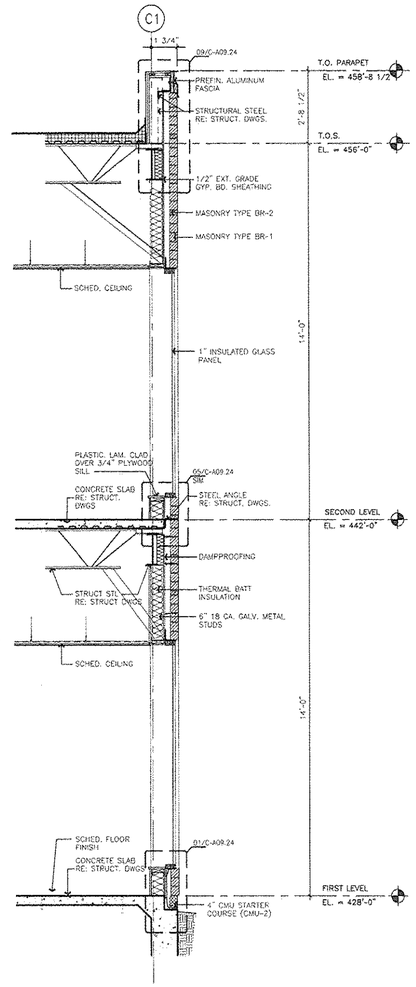
C-A09.10

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PBK ARCHITECTS, INC.
1020 N.E. Loop 410
Suite 600
San Antonio, Texas 78209
210.826.0123 (tel)
210.829.0578 (fax)

Project No. : 200175
Project : Laredo Community College
Drawing: Addendum No. 3 - Sheet C-A09.20 - SK-12
Date : MAY 09, 2002

SCALE: N.T.S.

REGISTERED ARCHITECT ROBERT A. HERNANDEZ STATE OF TEXAS 17453
Exp. 02/28/03
05/09/02

Laredo Community College
Second Campus

Laird Hall Rm. 125
West End Washington St.
Laredo, Texas 78040

Jacobs Facilities, Inc. — Project Manager
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Gensler

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10850 Richmond Ave.
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Houston, TX 77042
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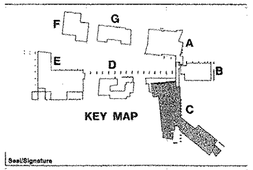
Civil Engineer
Mejia Engineering Co.
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Security Consultant
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Houston, Texas 77042
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	Issue	Date & Issue Description	By	Check
---	01	10.11.01 SCHEMATIC DESIGN & PRICING		
	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		
A	06	05.09.02 ADDENDUM NO.3		
B	07	05.13.02 ADDENDUM NO.5		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT ROBERT A. HERNANDEZ STATE OF TEXAS 17453
04/11/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

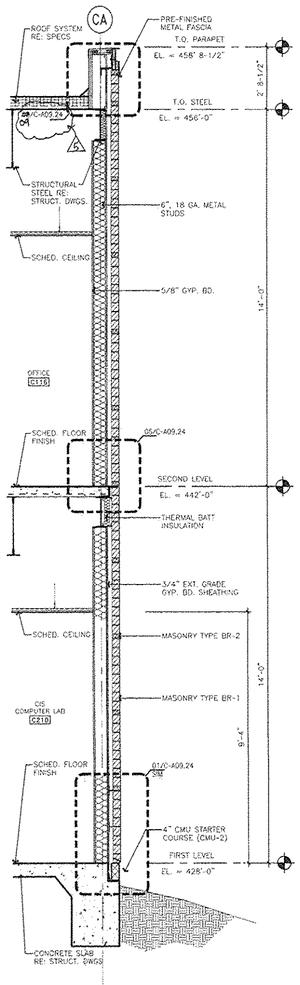
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Description
BUILDING C
WALL SECTIONS

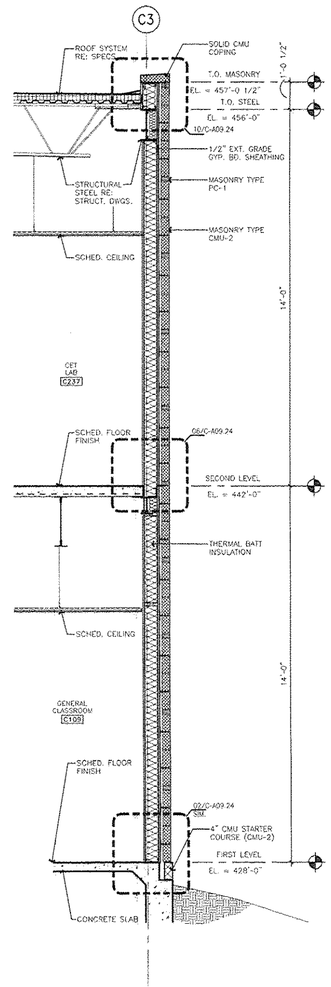
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C-A09.20

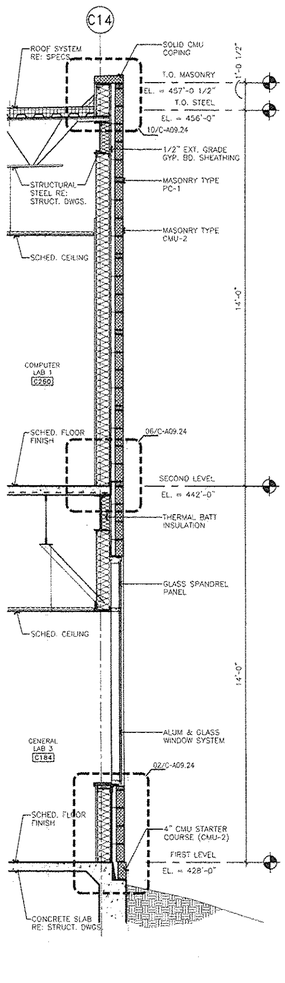
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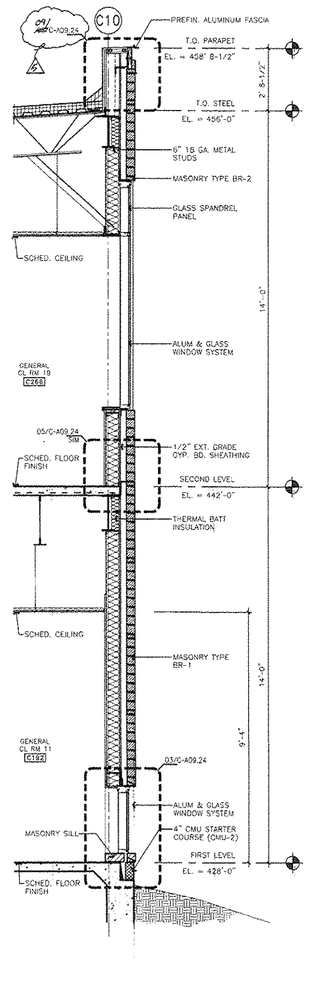
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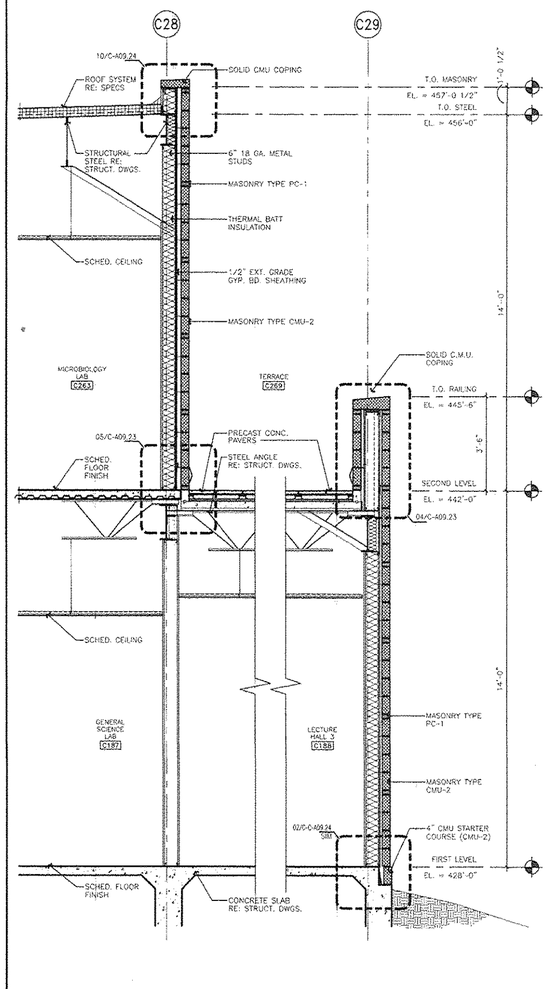
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3 WALL SECTION BUILDING "C" 1/2" = 1'-0"



2 WALL SECTION BUILDING "C" 1/2" = 1'-0"



1 WALL SECTION BUILDING "C" 1/2" = 1'-0"

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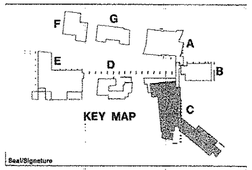
Civil Engineer
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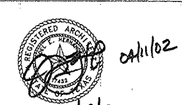
Landscape Design
SLA Studio Land
10665 Richmond Ave. Suite 100
Houston, Texas 77042
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Issue	Date & Issue Description	By	Check
01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
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04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		
06	05.15.02 ADDENDUM NO.5		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

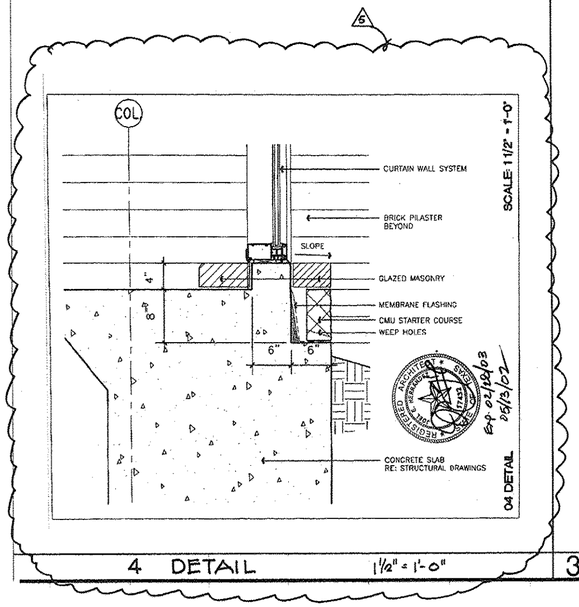
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WALL SECTIONS

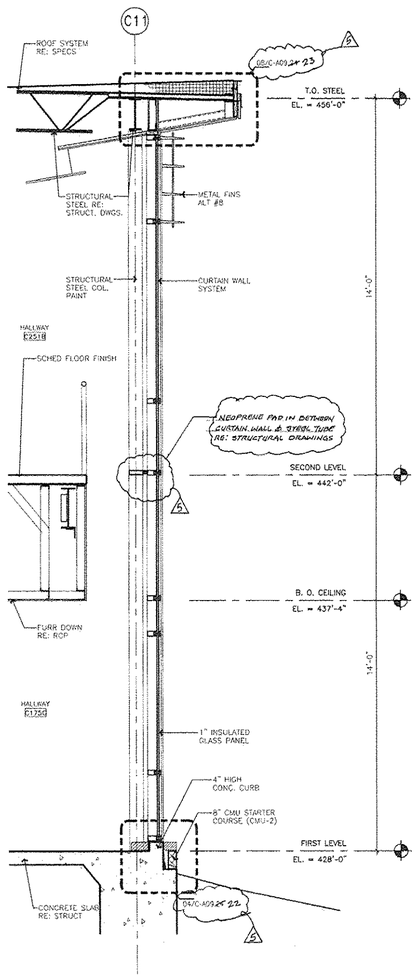
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C-A09.21

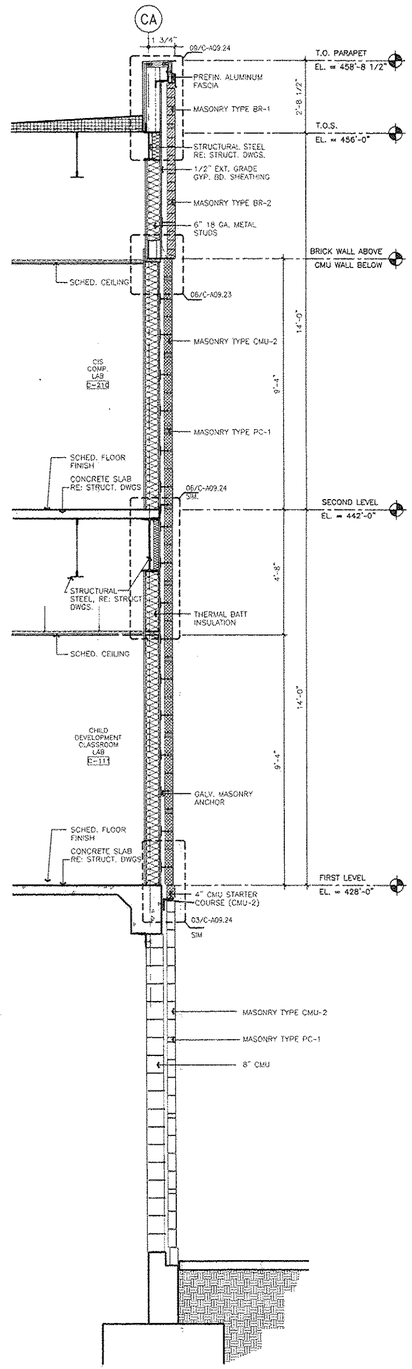
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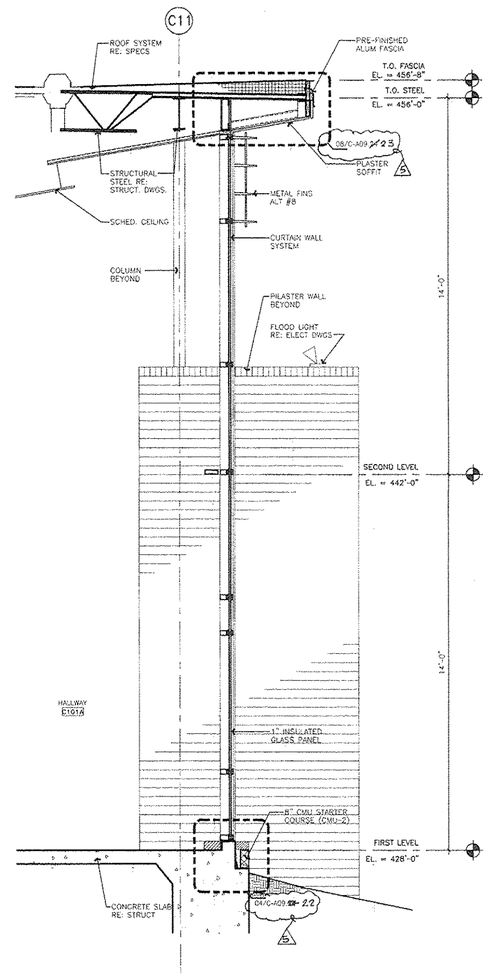
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2 WALL SECTION BUILDING "C" 1/2" = 1'-0"



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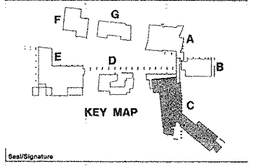
Civil Engineer
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△	Issue	Date & Issue Description	By	Check
--	01	10.11.01 SCHEMATIC DESIGN & PRICING		
	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		
A	06	05.13.02 ADDENDUM NO. 3		

ISSUE FOR CONSTRUCTION
JUN 1 8 2002



Seal/Signature

REGISTERED ARCHITECT STATE OF TEXAS 04/11/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

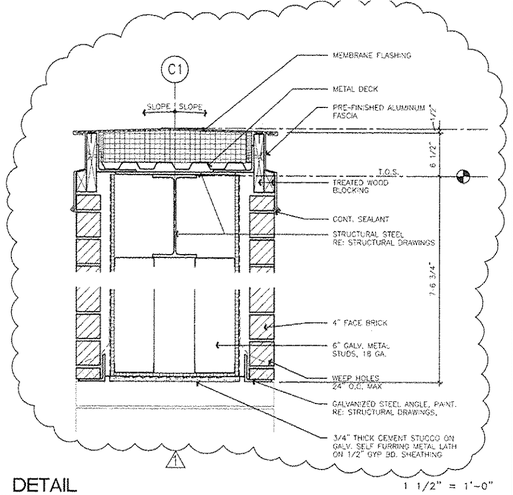
CAD File Name

Description
BUILDING C
WALL SECTIONS

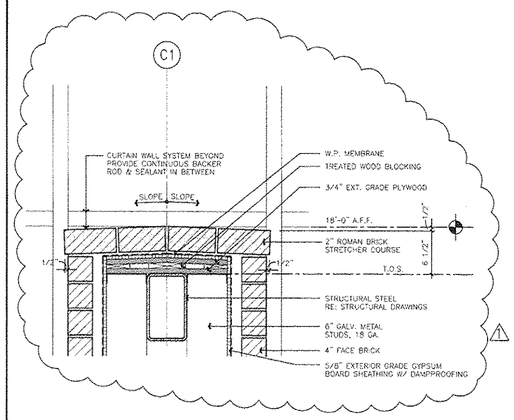
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C-A09.22

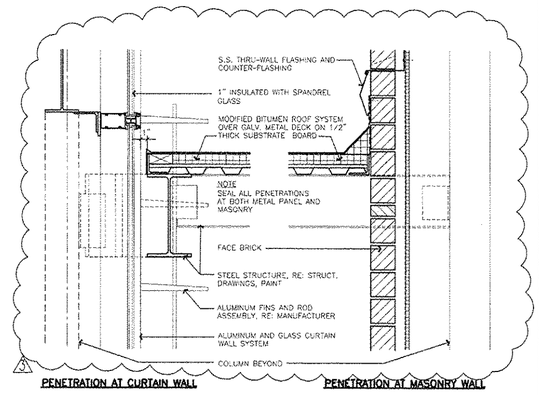
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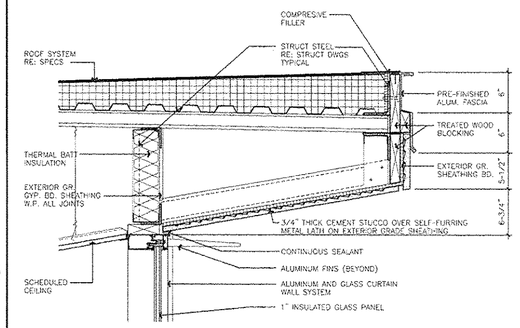
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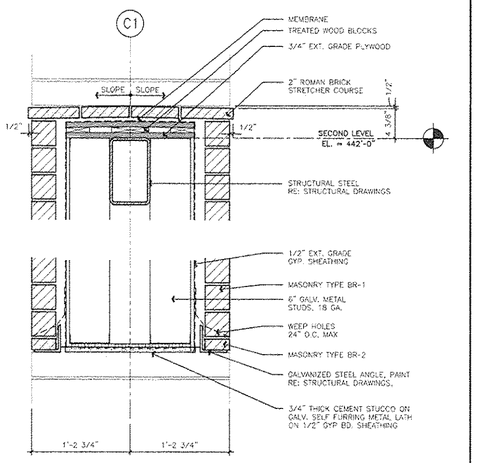
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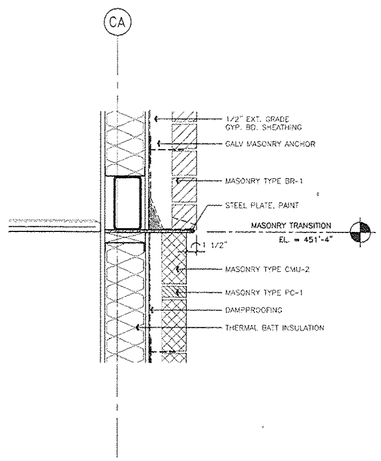
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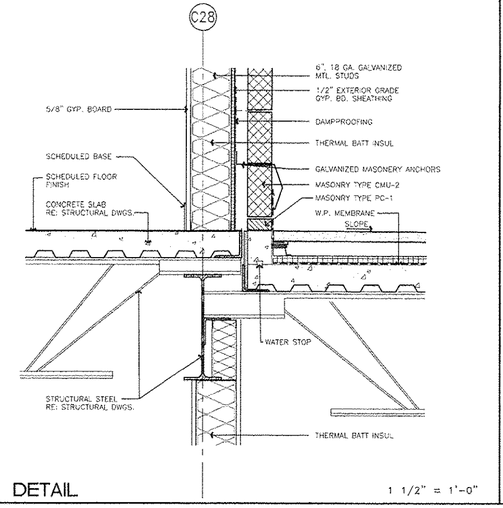
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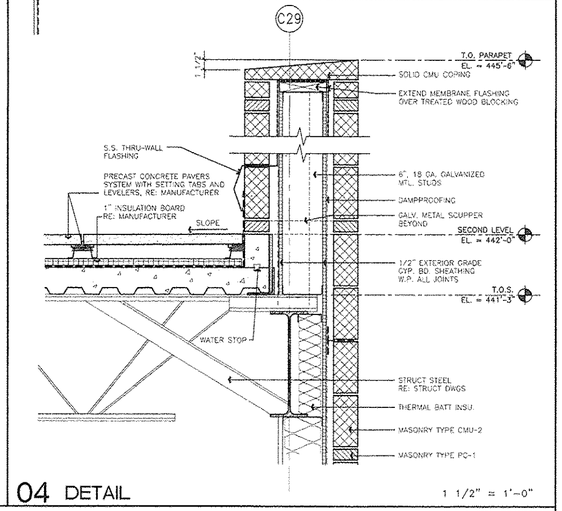
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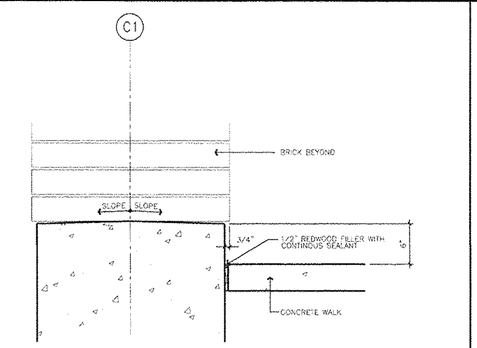
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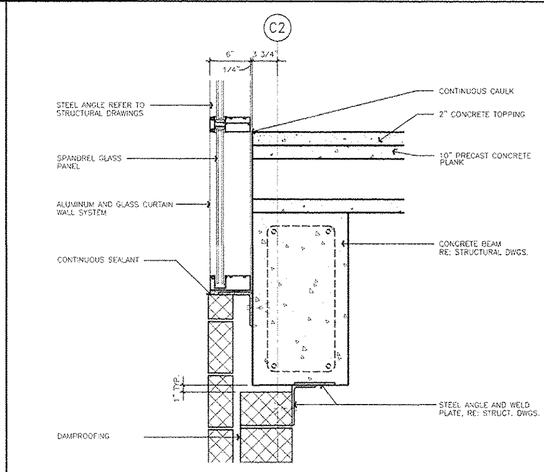
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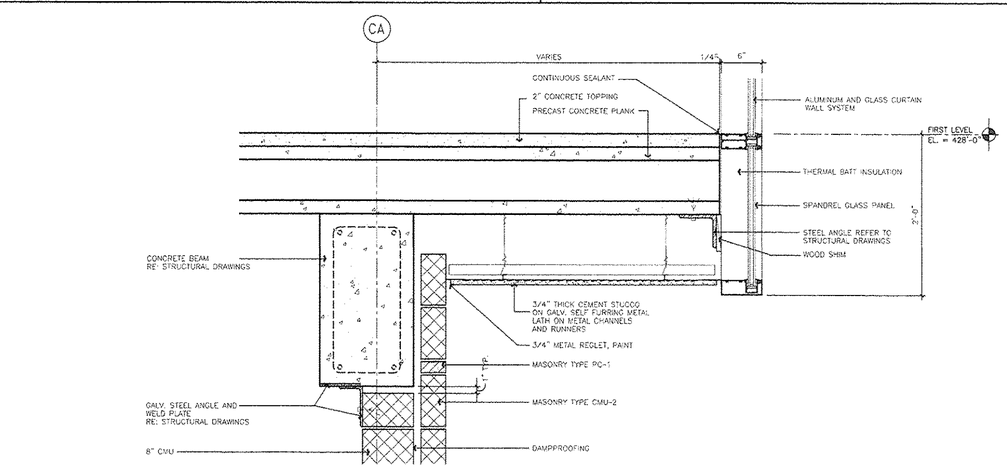
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03 DETAIL 1 1/2" = 1'-0"



02 DETAIL 1 1/2" = 1'-0"



01 DETAIL 1 1/2" = 1'-0"

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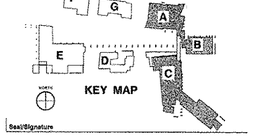
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		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		
1	06	04.25.02		
		ADDENDUM NO. 1		
2	07	05.09.02		
		ADDENDUM NO. 3		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature



exp. 08/31/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
WALL DETAILS

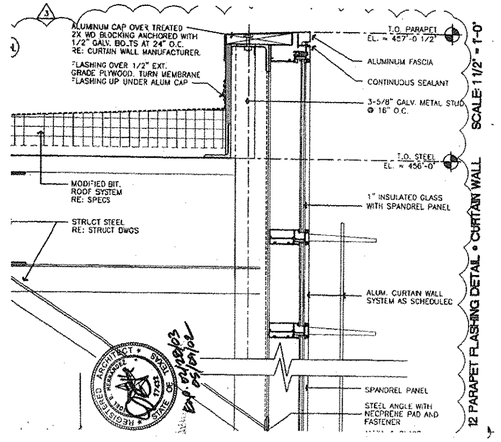
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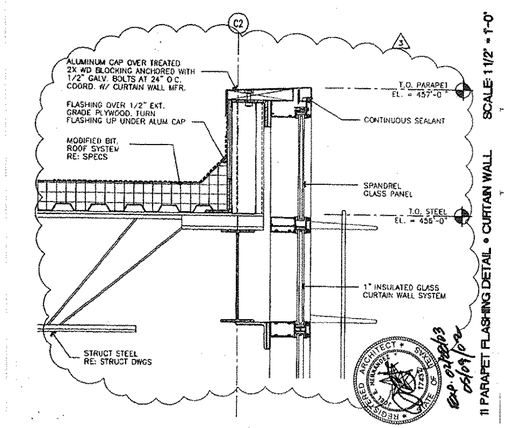
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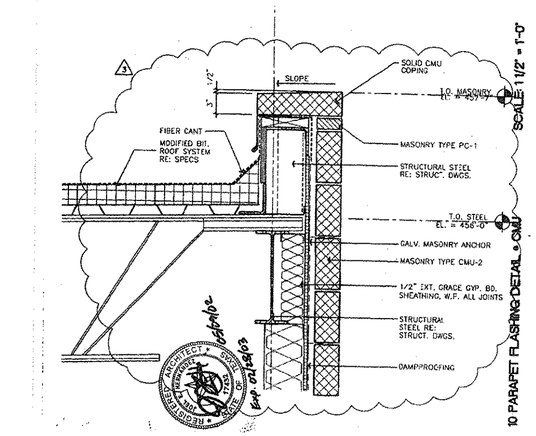
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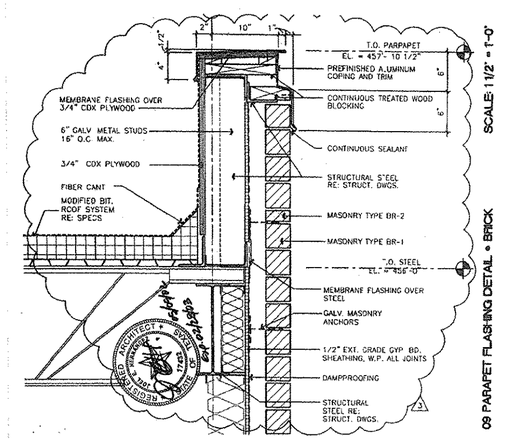
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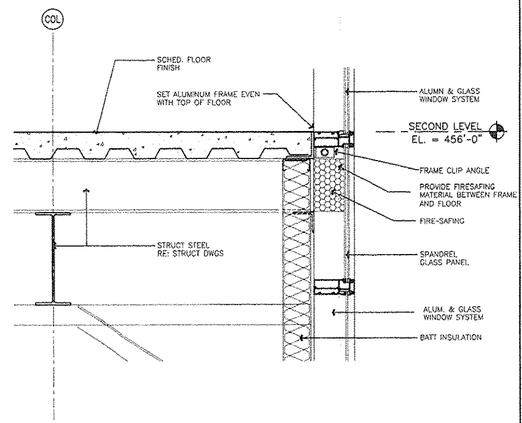
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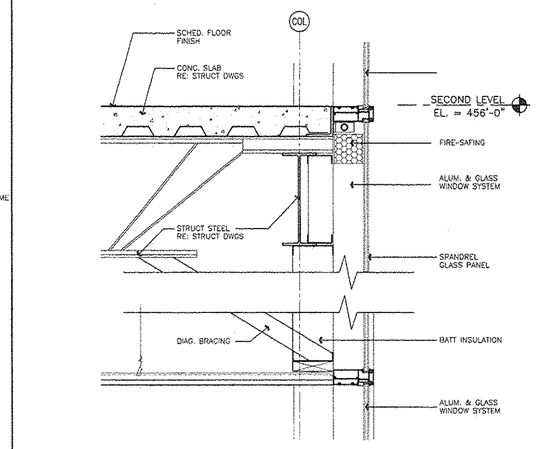


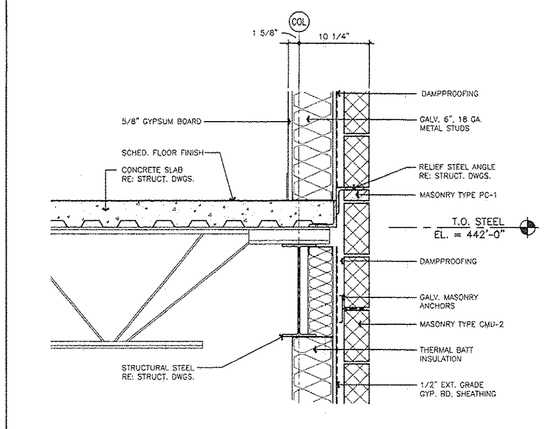


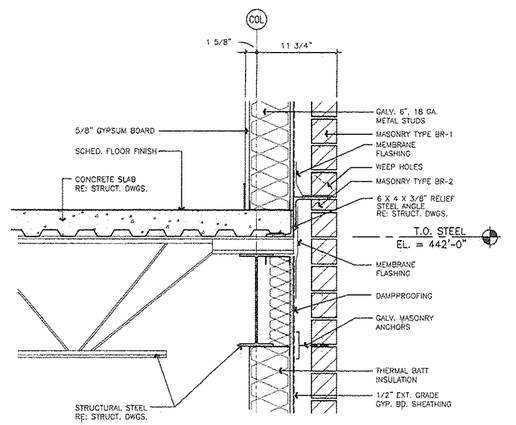


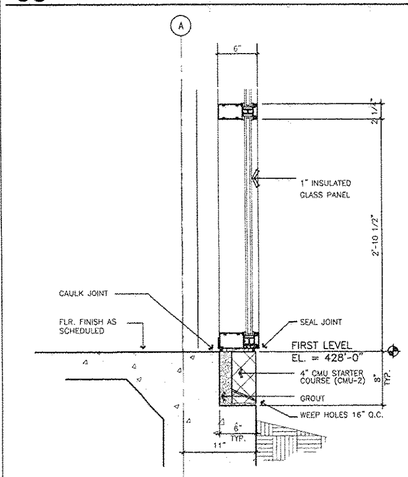


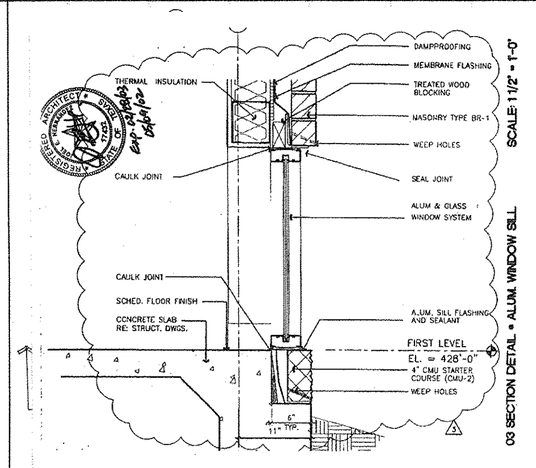


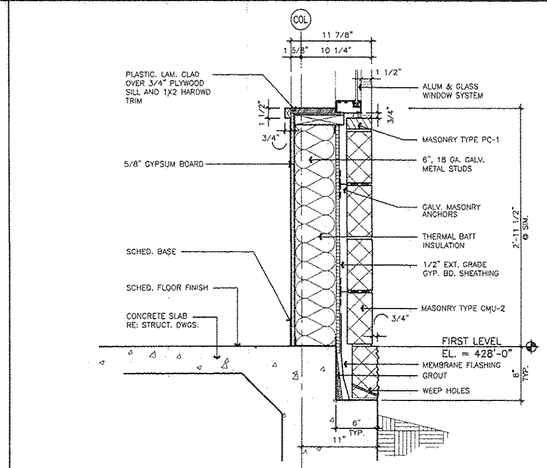


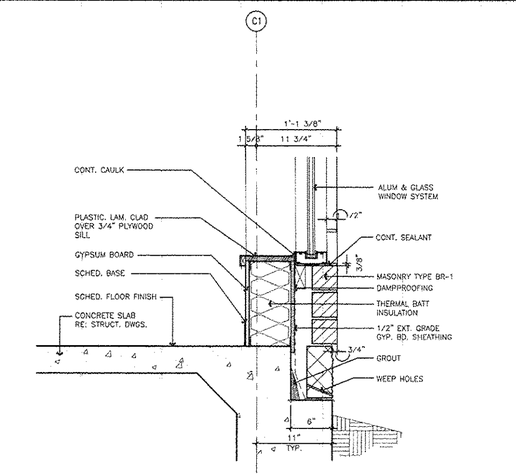












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(713) 784.3212/ (713) 784.2933 Fax

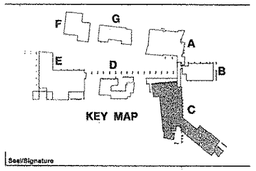
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	Issue	Date & Issue Description	By	Check
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	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		
A	06	05.09.02 ADDENDUM NO. 3		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

04/11/02
Exp. 03/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

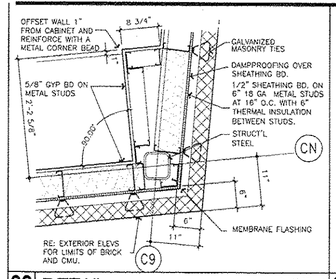
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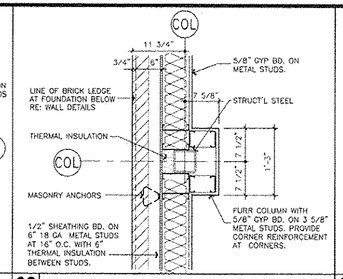
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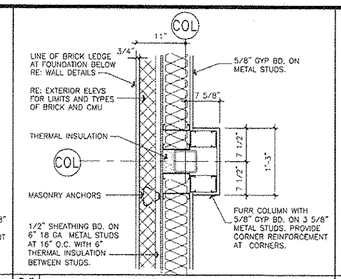
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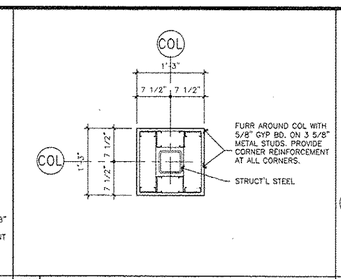
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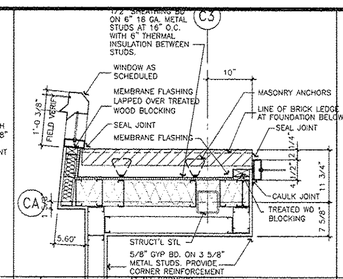
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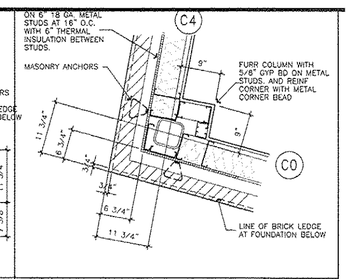
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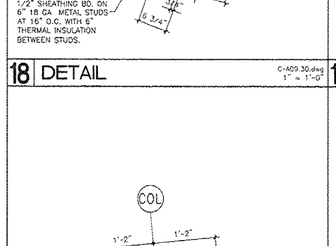
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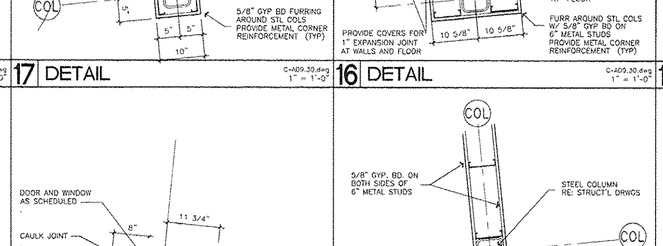
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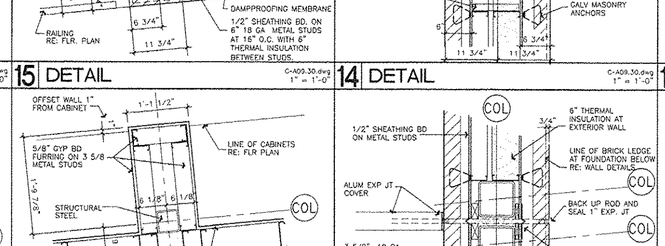
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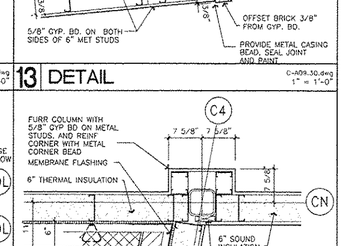


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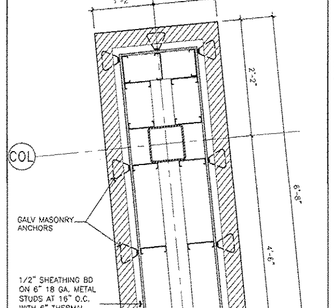


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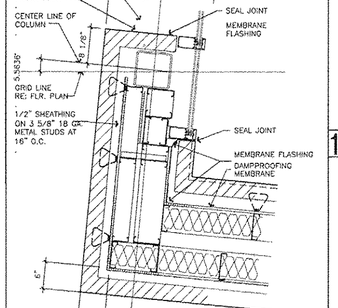
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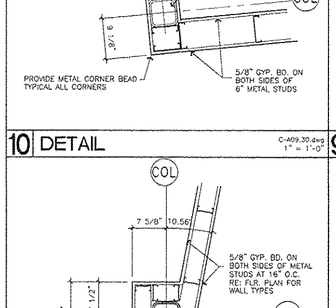
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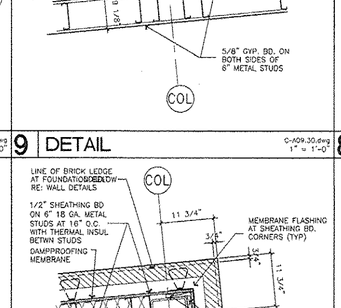
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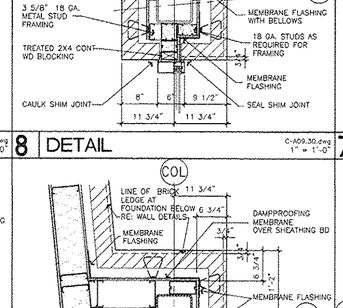
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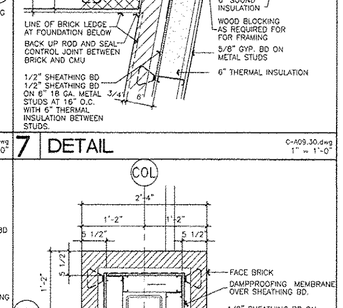
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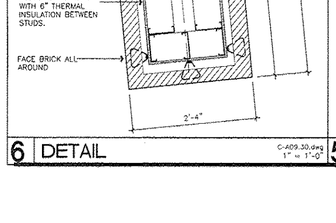
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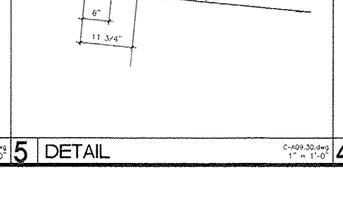
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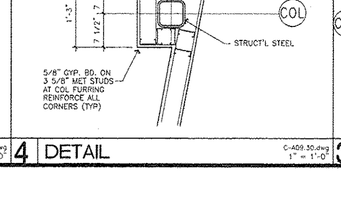
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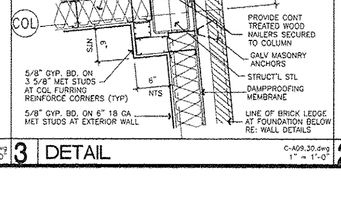
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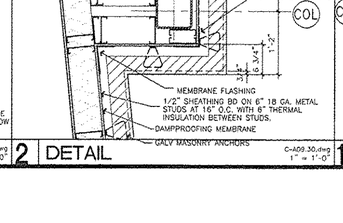
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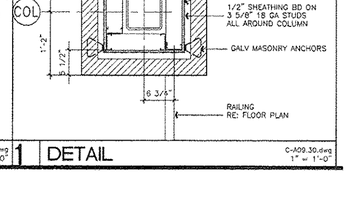
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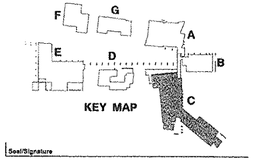
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Seal/Signature

REGISTERED ARCHITECT JOHN MICHAEL PARKER STATE OF TEXAS

04/11/02

Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

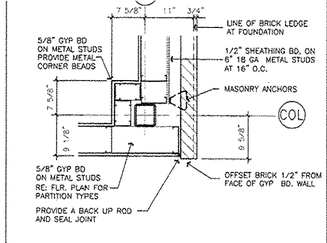
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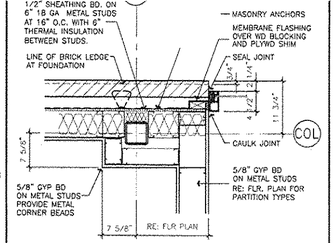
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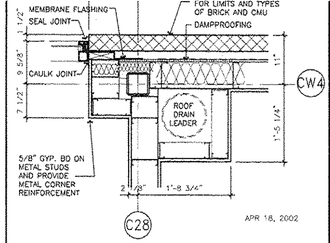
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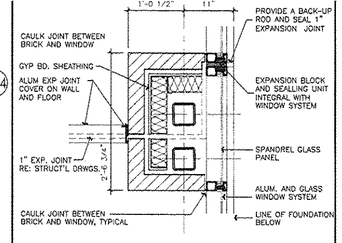
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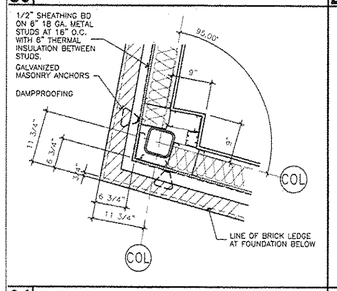
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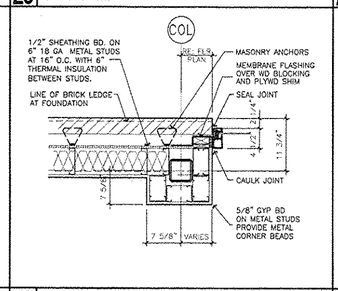
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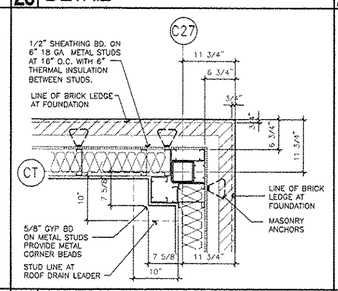
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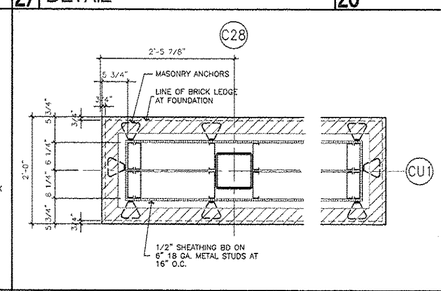
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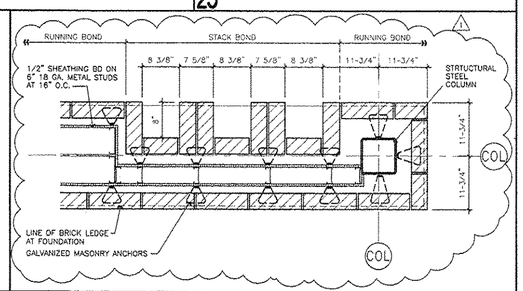
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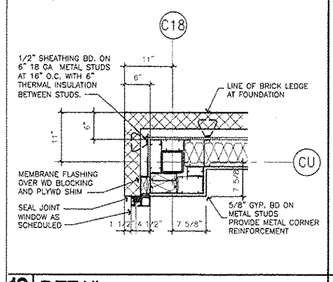
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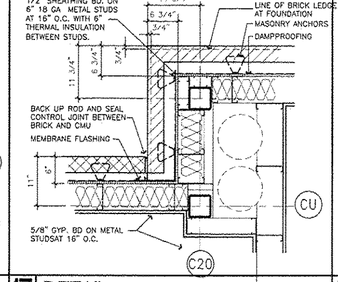
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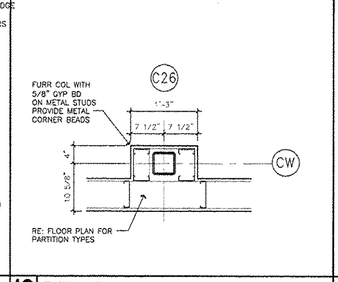
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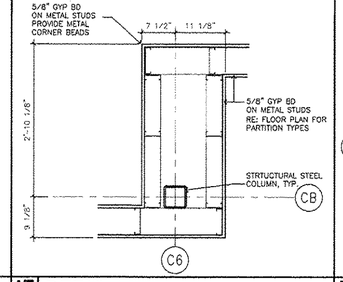
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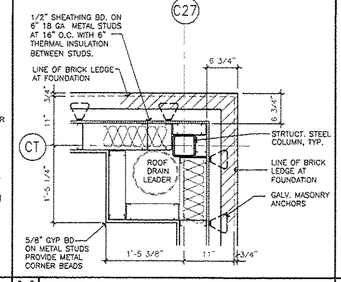
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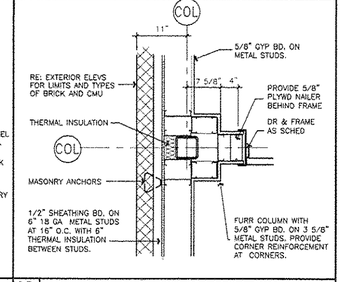
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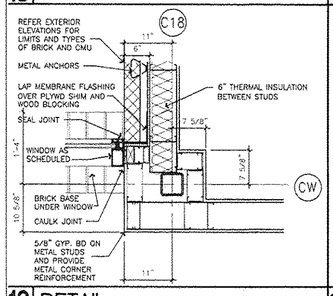
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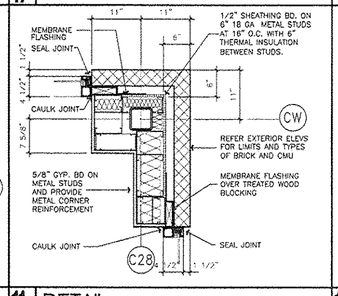
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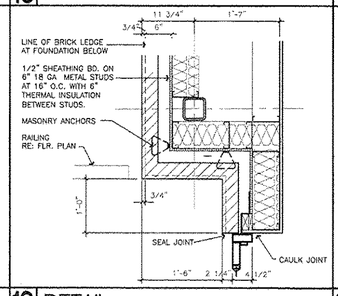
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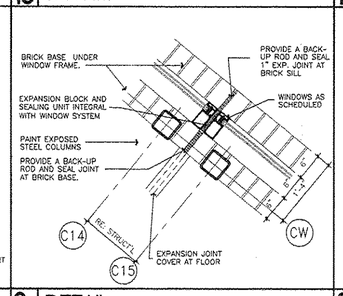
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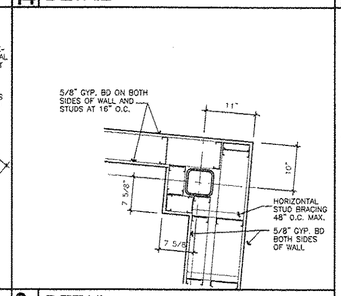
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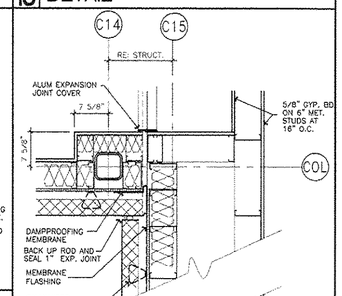
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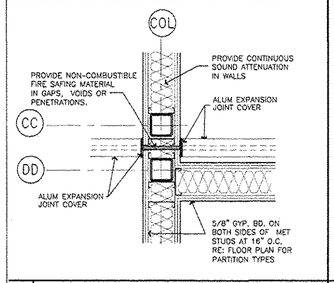
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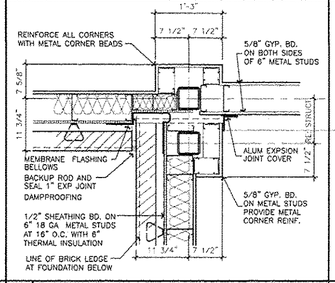
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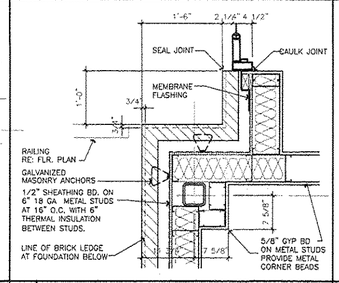
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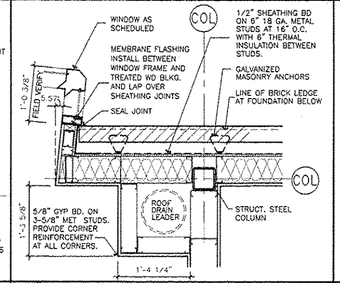
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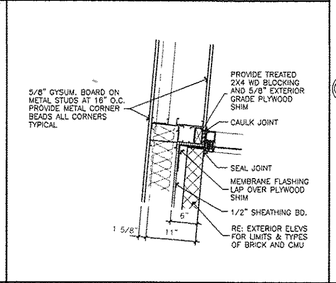
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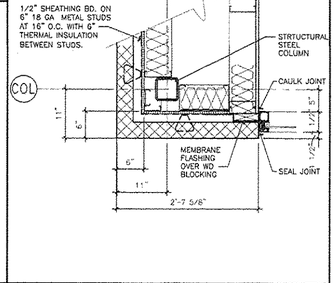
4 DETAIL



3 DETAIL



2 DETAIL



1 DETAIL

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Laredo, Texas 78040

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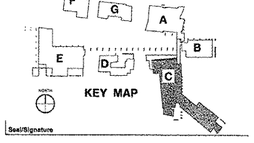
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	Issue	Date & Issue Description	By	Check
---	01	10.11.01		
		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		
⚠	06	04.25.02		
		ADDENDUM NO. 1		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT — STATE OF TEXAS — 17433 — 04/18/02
Exp. 08/08/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
PLAN DETAILS

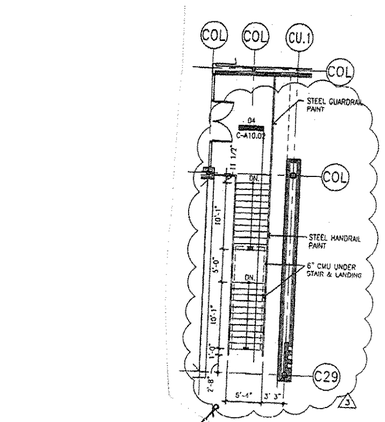
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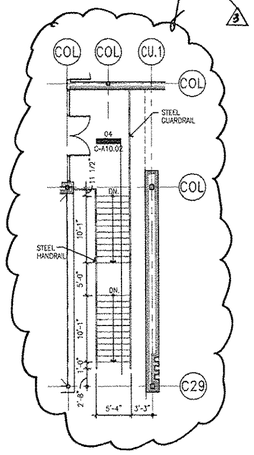
True North

Ref. North

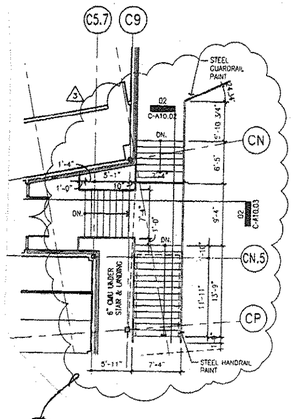
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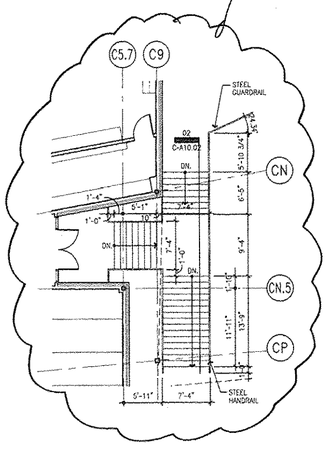
©2001 Gensler



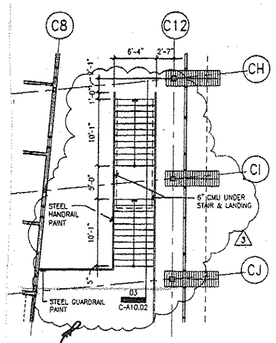


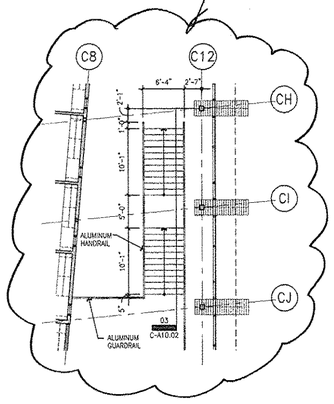
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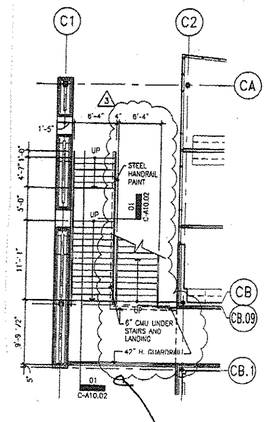


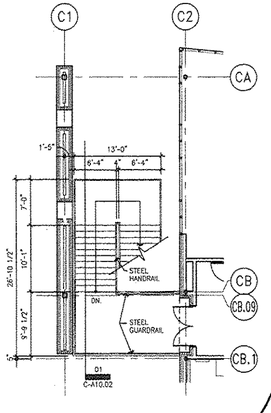
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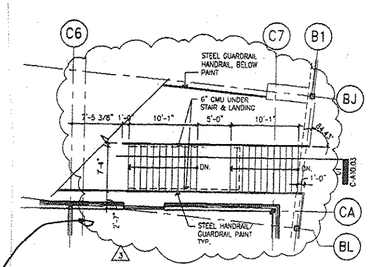


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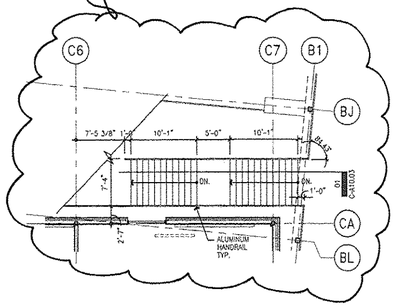


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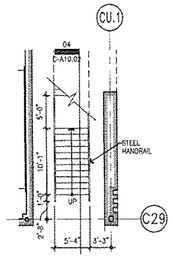


GENERAL NOTES

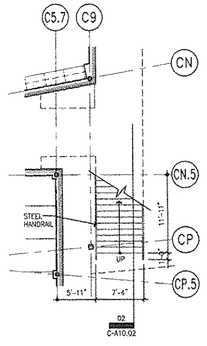
1. REFER TO STRUCTURAL DRAWINGS FOR LOCATION AND SIZE OF COLUMNS AND STRINGERS OF STAIRS.
2. REFER TO SHEETS C-A10.02, C-A10.03 AND C-A10.04 FOR STAIR SECTIONS AND DETAILS.
2. COORDINATE AND FIELD VERIFY ALL DIMENSIONS AND LOCATIONS PRIOR TO FABRICATION OF STAIRS.



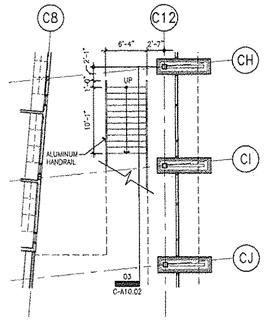
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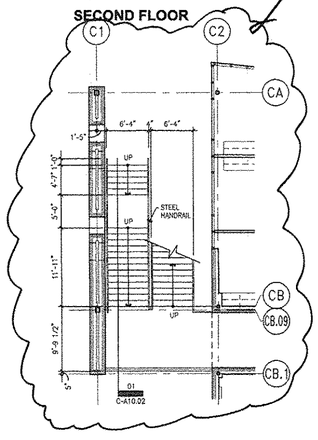
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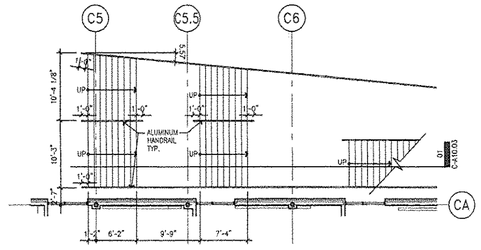
FIRST FLOOR



FIRST FLOOR



FIRST FLOOR



FIRST FLOOR

BLDG. C - STAIR #5 - AREA "C" 05
SCALE: 1/8"=1'-0"

BLDG. C - STAIR #4 - AREA "B" 04
SCALE: 1/8"=1'-0"

BLDG. C - STAIR #3 - AREA "B" 03
SCALE: 1/8"=1'-0"

BLDG. C - STAIR #2 - AREA "A" 02
SCALE: 1/8"=1'-0"

BLDG. C - STAIR #1 - AREA "A" 01
SCALE: 1/8"=1'-0"

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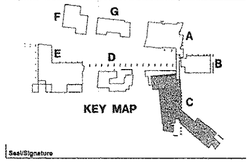
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	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		
A		05.09.02		
		ADDENDUM NO. 3		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



KEY MAP

Seal/Signature



04/11/02
exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

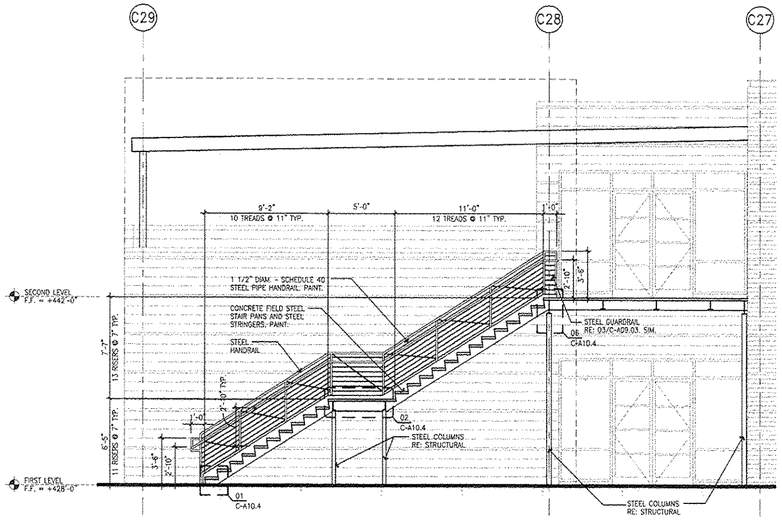
Description
BUILDING C
STAIR PLANS

Scale
1/8" = 1'-0"

True North
Ref. North

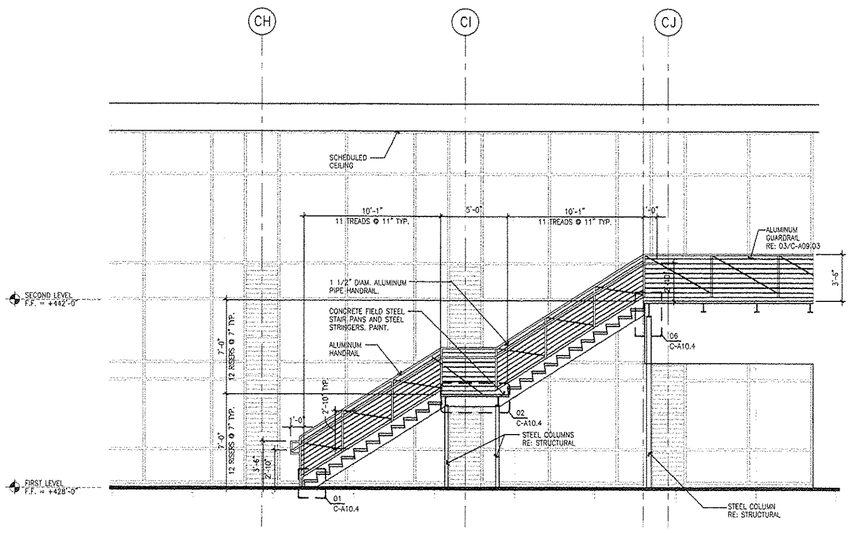
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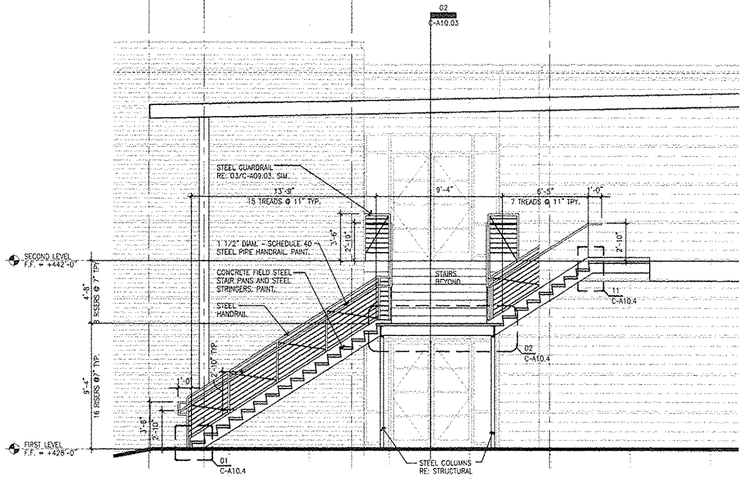
BLDG. C - STAIR #5 SECTION - AREA "A" 03

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



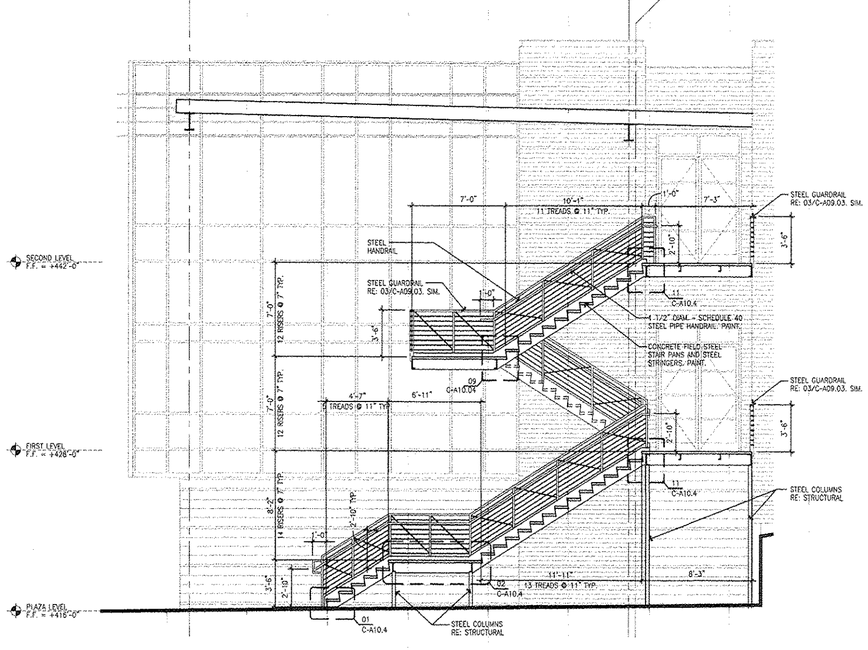
BLDG. C - STAIR #3 SECTION - AREA "A" 04

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



BLDG. C - STAIR #4 SECTION - AREA "A" 02

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



BLDG. C - STAIR #2 SECTION - AREA "A" 01

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

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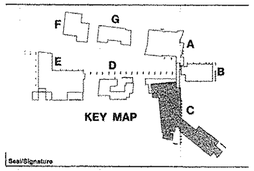
Civil Engineer
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Issue	Date & Issue Description	By	Check
01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT
STATE OF TEXAS
21231
04/11/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

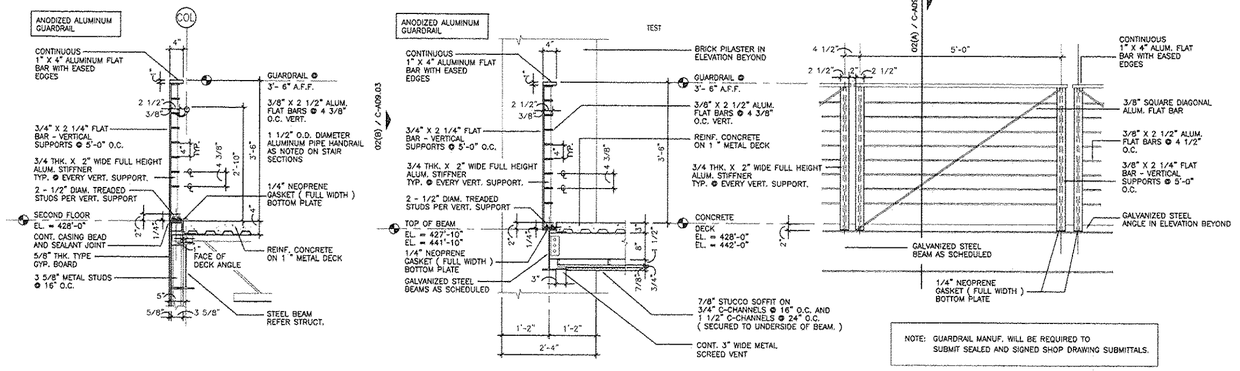
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Description
BUILDING C
STAIR SECTIONS

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C-A10.02

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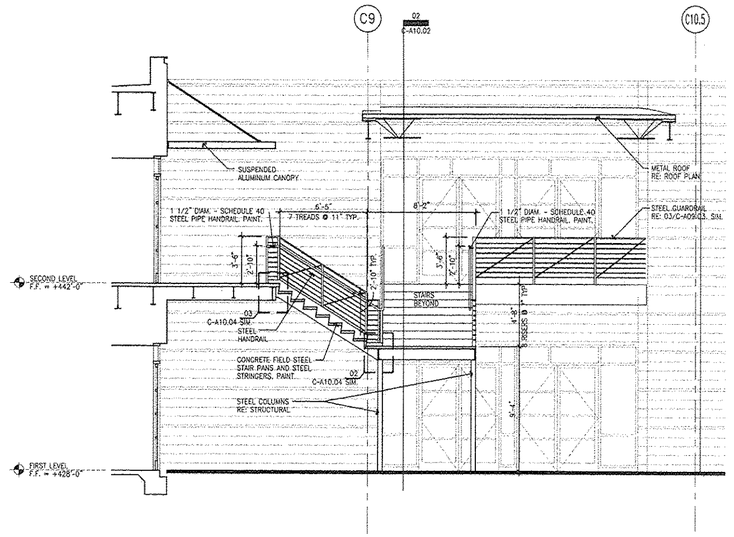


"A" - GUARDRAIL SECTION

"B" - GUARDRAIL ELEVATION

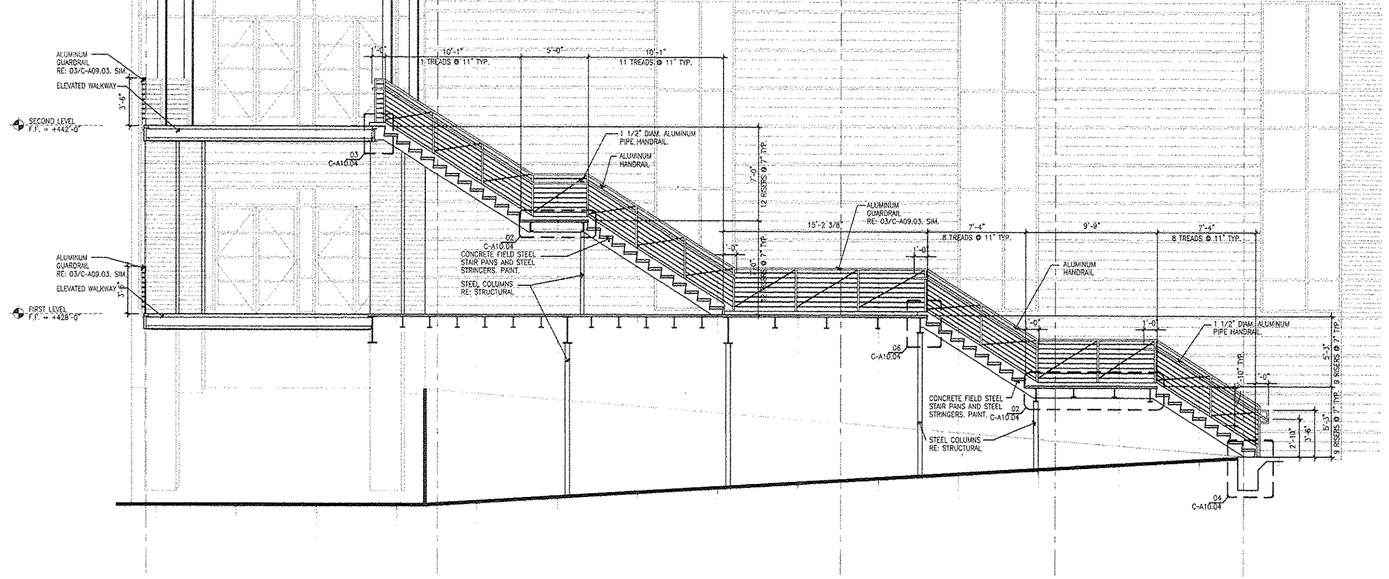
BLDG. C - STAIR GUARDRAIL DETAIL 03

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BLDG. C - STAIR #4 SECTION - AREA "B" 02

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



BLDG. C - STAIR #1 SECTION - AREA "A" 01

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

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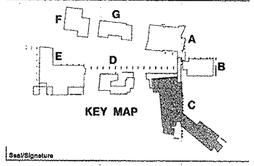
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ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT STATE OF TEXAS

04/11/02

Exp. 08/26/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

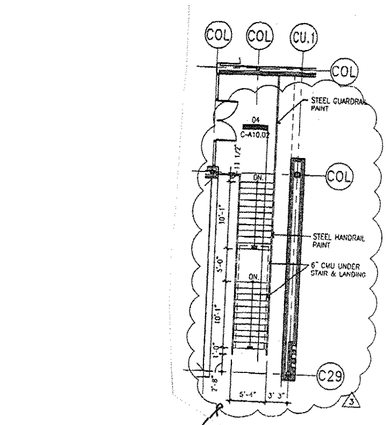
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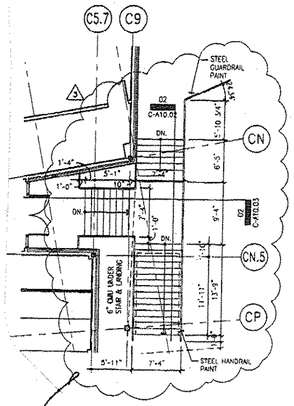
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BUILDING C
STAIR SECTIONS

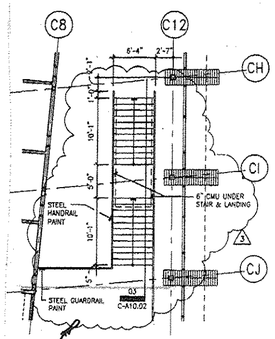
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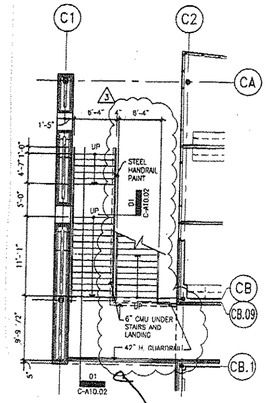
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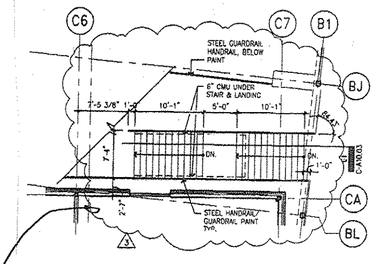
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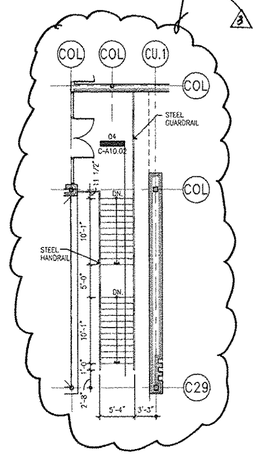




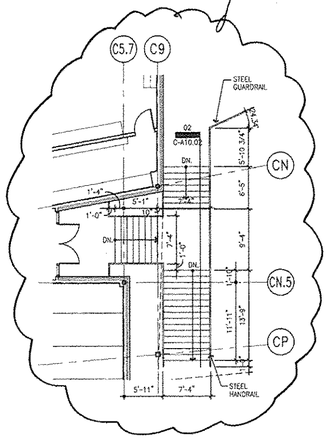


GENERAL NOTES

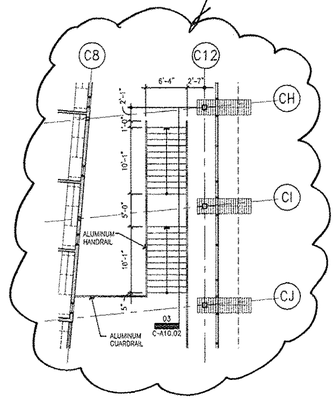
1. REFER TO STRUCTURAL DRAWINGS FOR LOCATION AND SIZE OF COLUMNS AND STRINGERS OF STAIRS.
2. REFER TO SHEETS C-A10.02, C-A10.03 AND C-A10.04 FOR STAIR SECTIONS AND DETAILS.
2. COORDINATE AND FIELD VERIFY ALL DIMENSIONS AND LOCATIONS PRIOR TO FABRICATION OF STAIRS.



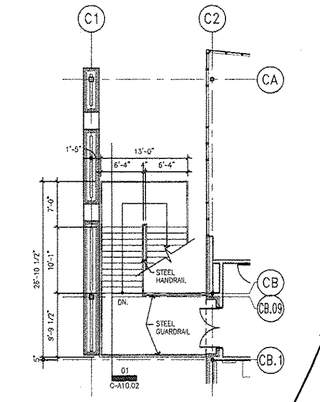
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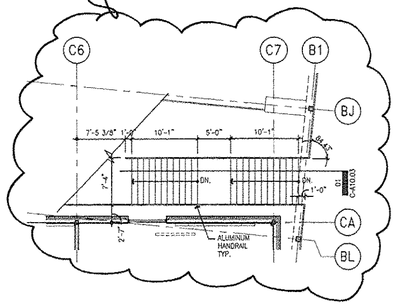
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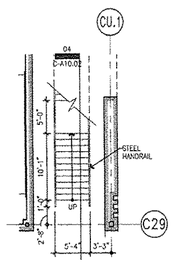
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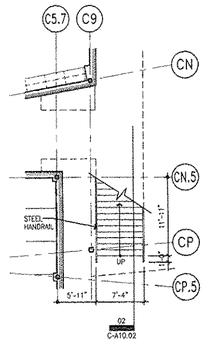
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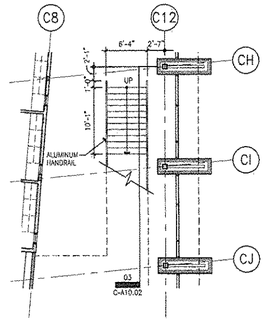
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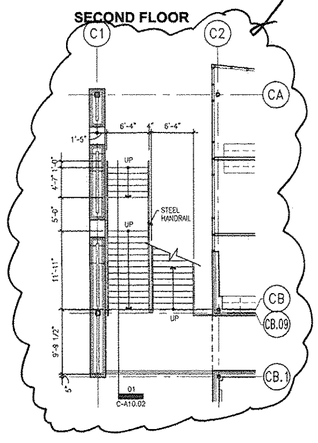
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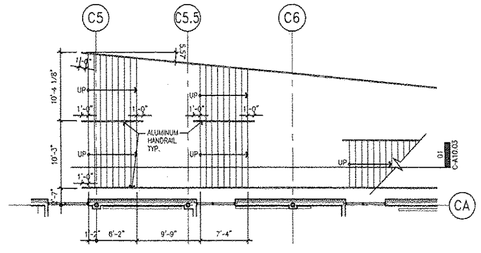
FIRST FLOOR



FIRST FLOOR



FIRST FLOOR



FIRST FLOOR

BLDG. C - STAIR #5 - AREA "C" 05
SCALE: 1/8"=1'-0"

BLDG. C - STAIR #4 - AREA "B" 04
SCALE: 1/8"=1'-0"

BLDG. C - STAIR #3 - AREA "B" 03
SCALE: 1/8"=1'-0"

BLDG. C - STAIR #2 - AREA "A" 02
SCALE: 1/8"=1'-0"

BLDG. C - STAIR #1 - AREA "A" 01
SCALE: 1/8"=1'-0"

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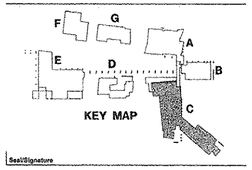
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	05	04.11.02 CONSTRUCTION DOCUMENTS		
1	06	05.09.02 ADDENDUM NO. 3		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



KEY MAP

Seal/Signature



04/11/02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
STAIR PLANS

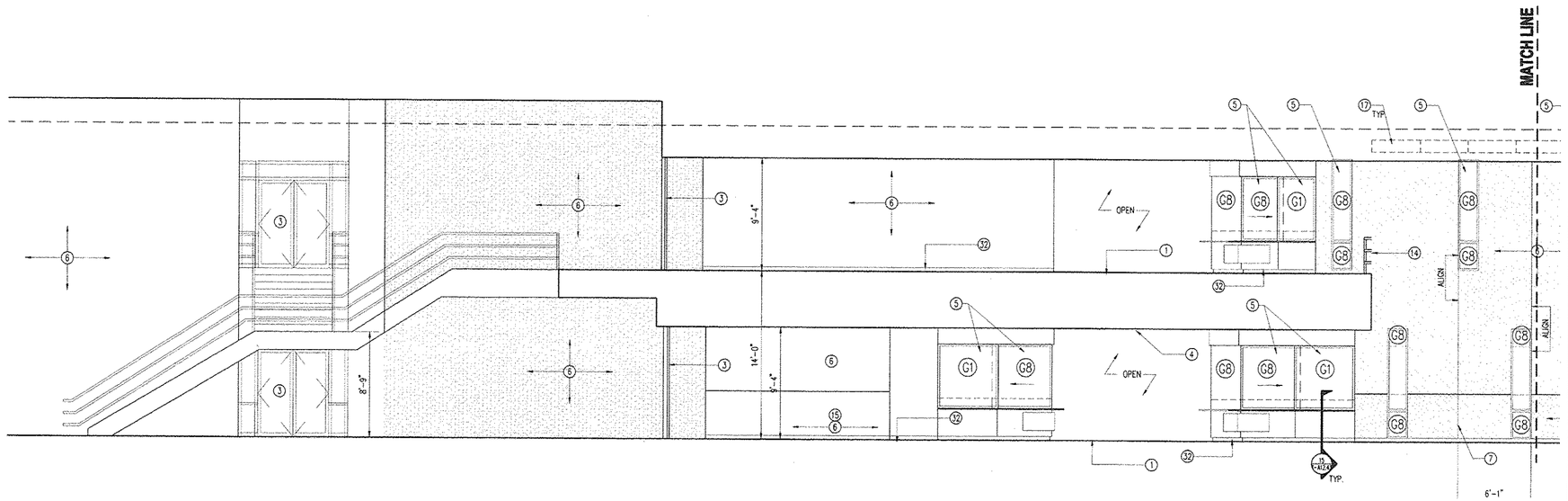
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True North

Ref. North

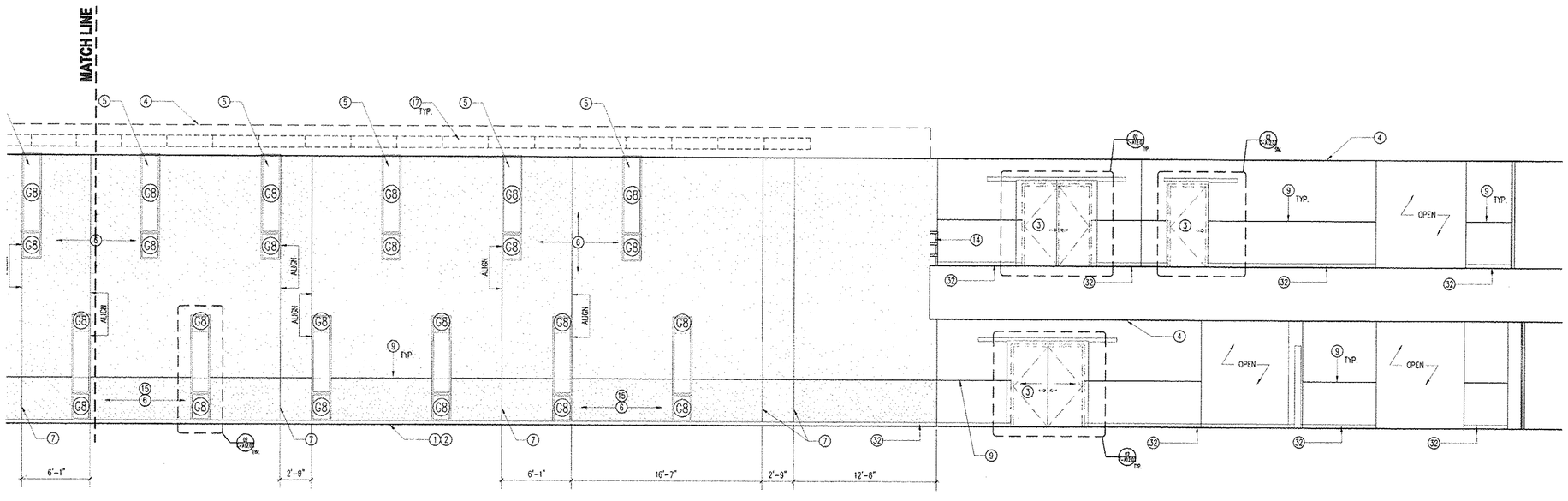
C-A10.01

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ELEVATION - MAIN STREET BUILDING C
SCALE: 1/4" = 1'-0" A-1E_05.dwg

02



ELEVATION - MAINSTREET BUILDING C
SCALE: 1/4" = 1'-0" IE_10.dwg

04

KEY NOTES

1. SCHEDULED FLOOR FINISH
2. SCHEDULED BASE
3. SCHEDULED DOOR AND HARDWARE
4. SCHEDULED CEILING
5. SCHEDULED WINDOW
6. SCHEDULED WALL FINISH
7. 1/8" VERTICAL GYP. BOARD REVEAL
8. 1/4" HORIZONTAL GYP. BOARD REVEAL
9. ANODIZED WALL REVEAL
   RE: 6/C-A12.03
10. DONOR WALL. MAPLE WOOD VENEER PANELS ON STAINLESS PINS. RE: 4/B-A12.04
11. BOOK SHELVES OR MAGAZINE RACK BY OTHERS.
12. SCHEDULED LIGHT FIXTURE.
    RE: ELECTRICAL
13. RAMP. RE: PLAN FOR FINISH INFORMATION
14. HANDRAIL. RE: DETAIL
15. PAINTED DURAROCK. RE: FINISH SCHEDULE
16. WOOD DOORS ON SURFACE MOUNTED OVERHEAD SLIDER TRACK TO CONCEAL MECHANICAL ROOM ACCESS DOORS. FINISH TO BE TACKABLE SURFACE. RE: 02/C-A12.03
17. SUSPENDED 2'X2' ANODIZED CEILING GRID WITH P-LAM CLAD PANELS. RE:09/A-A12.32
18. RECEPTION DESK BY OWNERS.
19. SCHEDULED SIDELIGHT
20. FULL HEIGHT P-LAM BACK SPLASH
    RE: MILLWORK DETAILS
21. UNDERCABINET LIGHT FIXTURE
    RE: ELECTRICAL
22. FURNITURE BY OWNER
23. APPLIANCE BY OWNER
24. RE: KITCHEN CONSULTANT DRAWINGS FOR EQUIPMENT SPECIFICATIONS.
25. PTD. GYP. BOARD FURR DOWN.
    RE: OWNER FOR SIGNAGE OPTIONS
26. SCHEDULED GLAZED BRICK
    RE: 2/A-A12.32 FOR FINISH PATTERN
27. EQUIPMENT PAD WITH TILE BASE.
    RE: KITCHEN CONSULTANT DRAWINGS.
28. P-LAM FRONT PANELS
29. SCHEDULED DOUBLE HUNG ALUMINIUM WINDOWS
30. 2'X2' SUSPENDED ANODIZED CEILING GRID WITH 2'X2' PAINTED WIRE CLOTH. RE: DETAIL
31. DRINKING FOUNTAINS. RE:FLOOR PLANS
32. GALVANIZED BASE DETAIL. RE: 13/T-A12.43

SHEET NOTES

1. RE: INTERIOR FINISH SCHEDULE FOR FINISH INFORMATION
2. ALL NOTES MAY NOT BE USED ON THIS SHEET
3. RE: RCP FOR CEILING INFORMAITON
4. RE: FLOOR PLANS FOR FLOOR FINISH INFORMATION
5. RE: A-A12.32 FOR CAFETERIA GLAZED BRICK WALL INFORMATION

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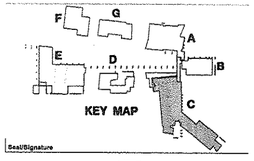
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ISSUE FOR
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Seal/Signature

REGISTERED ARCHITECT
JOEL C. CALEB
11466
STATE OF TEXAS

04/11/02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name
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Description
INTERIOR ELEVATION

Scale

C-A11.10

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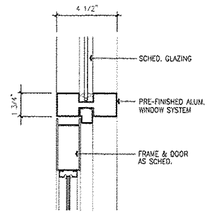
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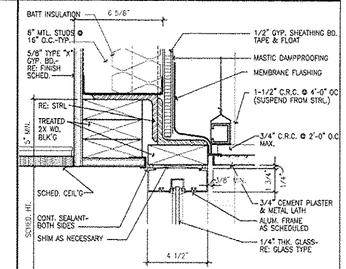
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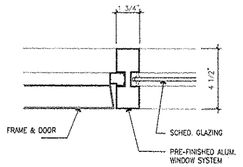
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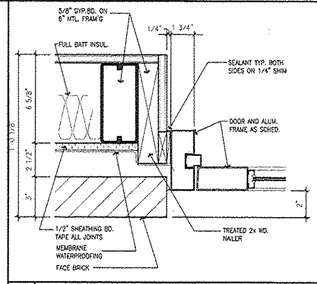


13 EXT. ALUM. HEAD FRAME 09EAWH04.dwg 3" = 1'-0"

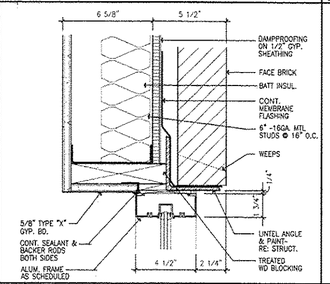


12 DOOR JAMB 008W-91.dwg 3" = 1'-0"

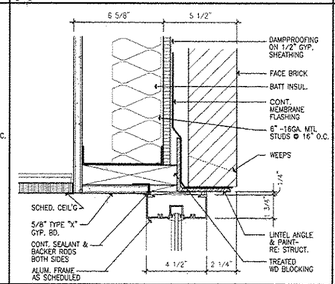
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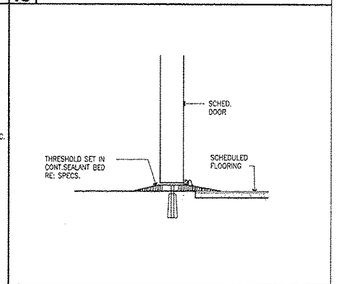
10 DOOR JAMB 008W-91.dwg 3" = 1'-0"



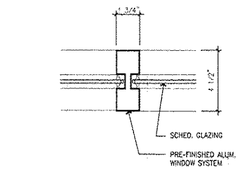
9 EXT. ALUM. HEAD 09EAWH05.dwg 3" = 1'-0"



8 EXT. ALUM. HEAD 09EAWH06.dwg 3" = 1'-0"

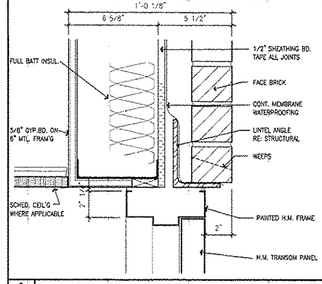


7 SILL 008W-91.dwg 3" = 1'-0"

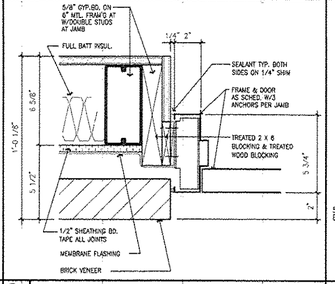


6 WINDOW MULLION 008W-91.dwg 3" = 1'-0"

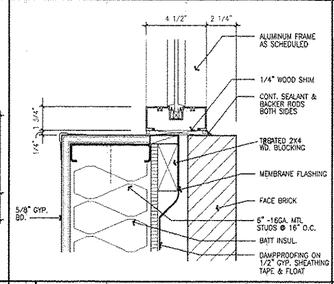
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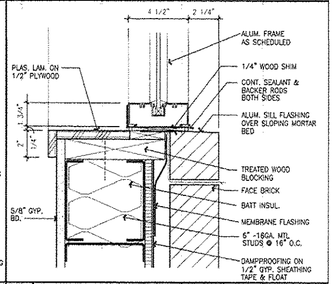
4 DOOR HEAD 008W-91.dwg 3" = 1'-0"



3 DOOR JAMB 008W-91.dwg 3" = 1'-0"



2 EXT. ALUM. JAMB FRAME 09EAWJ01.dwg 3" = 1'-0"



1 EXT. ALUM. SILL FRAME 09EAWS01.dwg 3" = 1'-0"

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Food Service Consultant
Frank Clements Associates, Inc.
10550 Richmond Ave.
Suite 330
Houston, TX 77042
(713) 784.3212/ (713) 784.2933 Fax

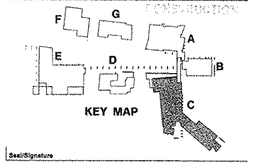
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HMA COnsulting, Inc.
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Issue	Date & Issue Description	By	Check
01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

~~ISSUE FOR~~
~~JUN 18 2002~~
~~CONSTRUCTION~~



Seal/Signature



04/11/02
Exp. 02/20/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

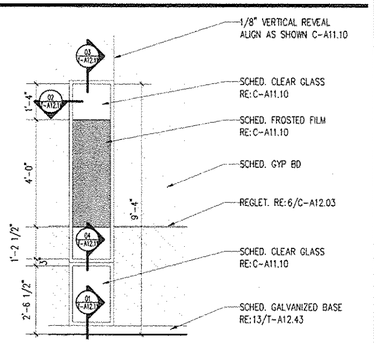
CAD File Name

Description
BUILDING C
DOOR AND WINDOW DETAILS

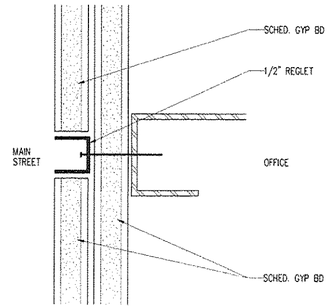
Scale
3" = 1'-0"

C-A12.01

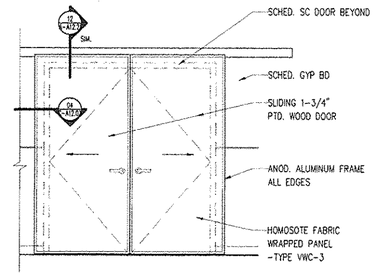
©2001 Gensler



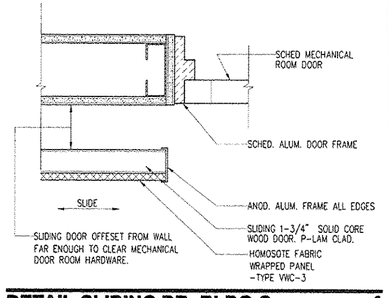
ELEVATION-MAIN ST.OFFICE WDW. 1
SCALE: 1/2"=1'-0" C-DT_01.dwg



REGLET DETAIL @ MAIN ST. OFFICE 6
SCALE: FULL SCALE C-DT_01.dwg



SLIDING DR.@ MECH. ROOMS-BLDG. C 2
SCALE: 1/2" = 1'-0" C-DT_01.dwg



DETAIL-SLIDING DR.-BLDG.C 4
SCALE: 3" = 1'-0" C-DT_01.dwg

KEY NOTES

SHEET NOTES

1. RE: INTERIOR FINISH SCHEDULE FOR FINISH INFORMATION
2. ALL NOTES MAY NOT BE USED ON THIS SHEET
3. RE: RCP FOR CEILING INFORMAITON
4. RE: FLOOR PLANS FOR FLOOR FINISH INFORMATION
5. RE: A-A12.32 FOR CAFETERIA GLAZED BRICK WALL INFORMATION

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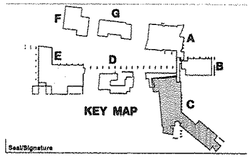
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Issue	Date & Issue Description	By	Check
-- 01	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



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04/11/02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name
L:02.1110.000/CAD/SHEETS/BUILDING C/C-A12.03.dwg

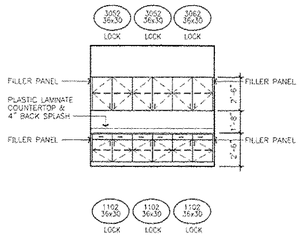
Description
DETAILS

Scale

C-A12.03

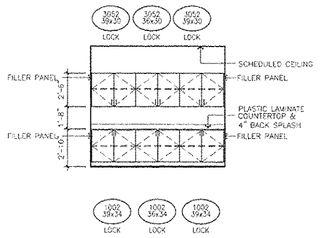
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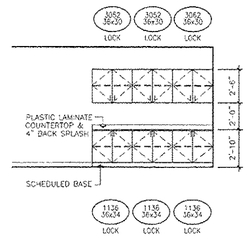


OFFICE C131, C132

OFFICE 14
SCALE: 1"=1'-0"

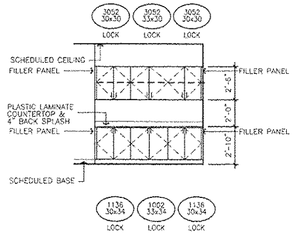


FACULTY WORK/MAIL RM C130 13
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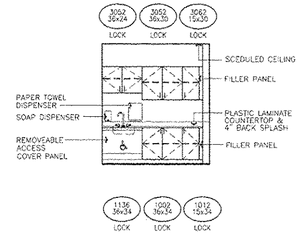


GENERAL CLASSROOM C126, C149, C151, 153 - SIM
GENERAL CLASSROOM C125, C127, C150, C152 - OPPOSITE

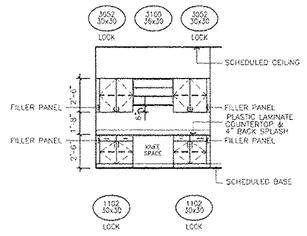
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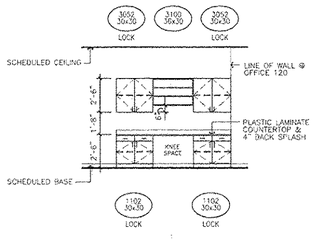


GENERAL CLASSROOM C124 11
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CHILD DEV. CLASSROOM C123 10
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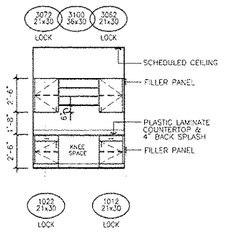




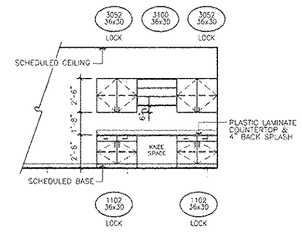
OFFICE C120
DEPARTMENT OFFICE C119 - SIM

OFFICE C121 09
SCALE: 1/4"=1'-0"

OFFICE 08
SCALE: 1/4"=1'-0"

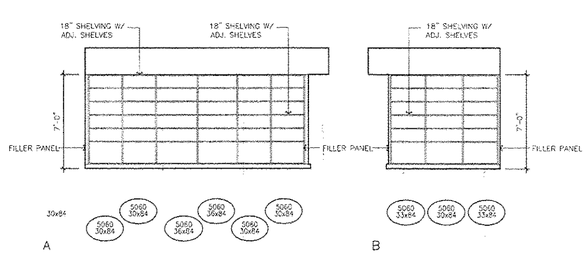


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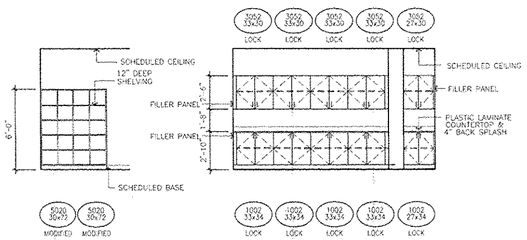


OFFICE C117 - OPPOSITE

OFFICE C116 06
SCALE: 1/4"=1'-0"

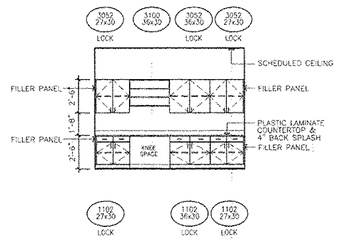


FILE STORAGE C115 05
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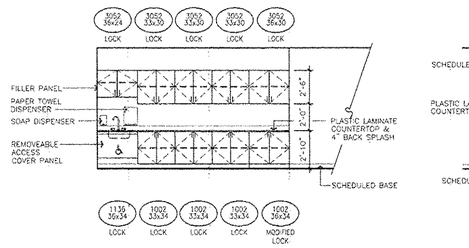


A B

WORKROOM C114 04
SCALE: 1/4"=1'-0"

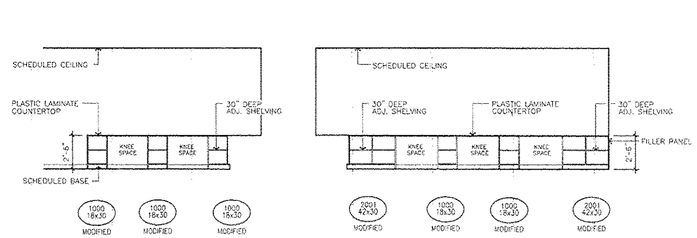


OFFICE C113 03
SCALE: 1/4"=1'-0"



CLASSROOM C109, C111 - SIM
CLASSROOM C110 - OPP

CHILD DEV. CLASSROOM 02
SCALE: 1/4"=1'-0"



A B

RESOURCE ROOM C108 01
SCALE: 1/4"=1'-0"

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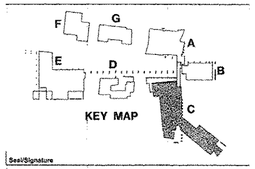
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05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT — 04/11/02 — Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

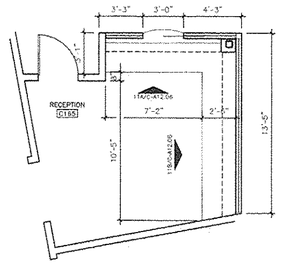
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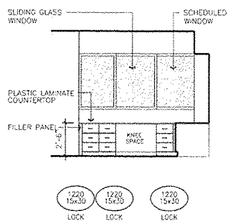
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BUILDING C
MILLWORK DETAILS

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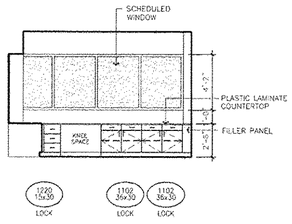
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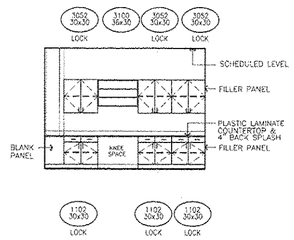


B

RECEPTION C165

SCALE: 1"=1'-0"

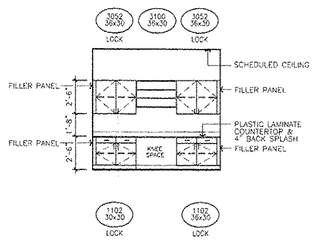
11



FACULTY OFFICE C172

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

10

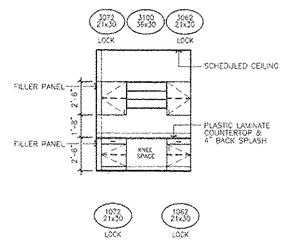


OFFICE C169, C171 - SIM
FACULTY OFFICE C168 - SIM
ADMIN OFFICE C 166 - SIM
FILE ROOM C167 - SIM

OFFICE

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

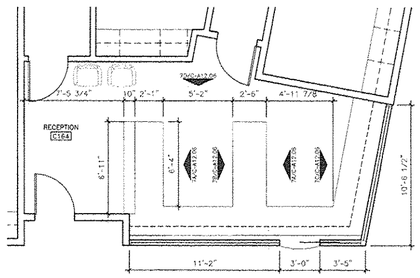
09



OFFICE C160

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

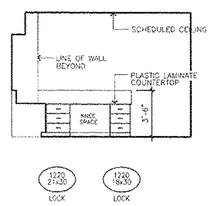
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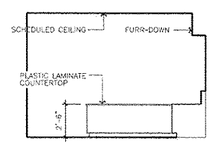
RECEPTION C164

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

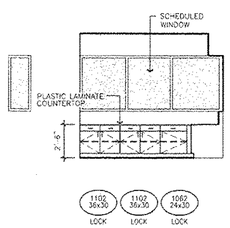
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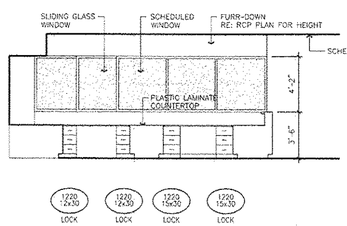
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B



C

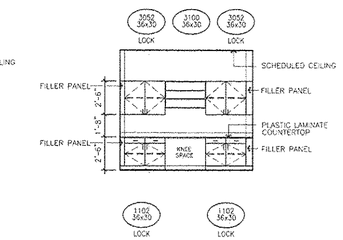


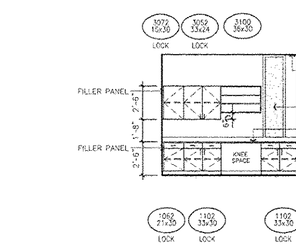
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OFFICE C159

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

06





ADJ. FACULTY WORKROOM C158

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

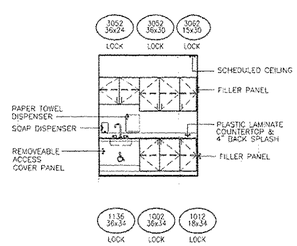
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OFFICE C143, C144, C145, C146,
C161, C162, C163 - SIM

OFFICE

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

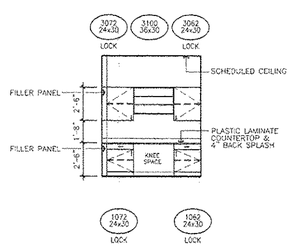
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COFFEE AREA C148

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

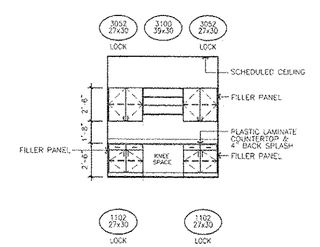
03



OFFICE C141

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

02



OFFICE C133, C134, C135, C136,
C137, C140, C156, C157 - SIM

OFFICE

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

01

Laredo Community College

Second Campus

Laird Hall Rm. 125
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Laredo, Texas 78040

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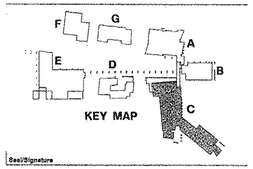
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Landscape Design
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Issue	Date & Issue Description	By	Check
-- 01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT
JAMES L. REYNOLDS
STATE OF TEXAS
04/11/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
MILLWORK DETAILS

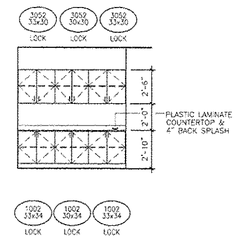
Scale
3/4" = 1'-0"

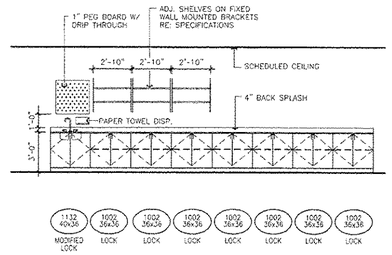
True North

Ref. North

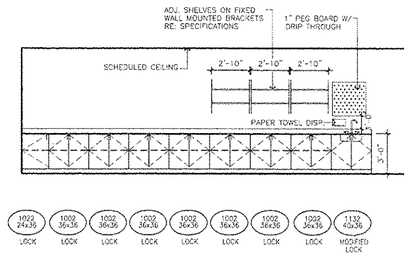
C-A12.12

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A



B

CLASSROOM C192
GENERAL LAB C193 - SIM

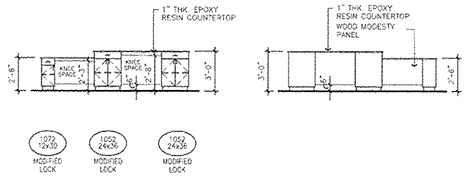
ELEVATION 12
SCALE: 1"=1'-0"

ELEVATION 11
SCALE: 1"=1'-0"

GENERAL CLASSROOM 10
SCALE: 1/4"=1'-0"

PREPARATION ROOM C186, C262

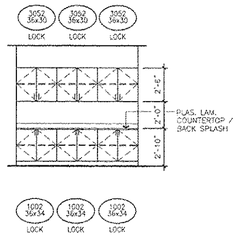
GENERAL PREPARATION ROOM 09
SCALE: 1/4"=1'-0"



A B

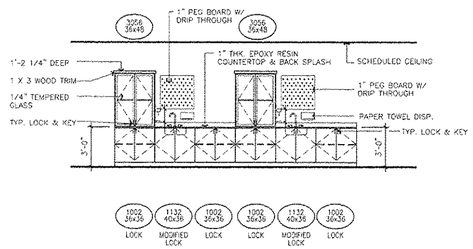
GENERAL LAB C185, C186, C187, C189, C191 - SIM
MICROBIOLOGY LAB 263 - SIM
CHEMISTRY LAB 261 - SIM

GENERAL SCIENCE LAB 08
SCALE: 1"=1'-0"



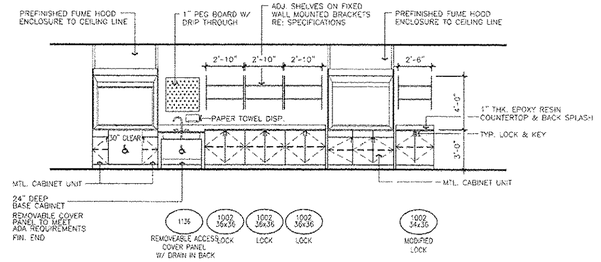
GENERAL LAB C191 - SIM
CLASSROOM C189 - SIM

GENERAL LAB 07
SCALE: 1/4"=1'-0"



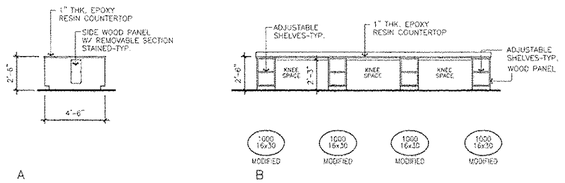
GENERAL LAB C185, C186, 187 - SIM

GENERAL SCIENCE LAB 06
SCALE: 1/4"=1'-0"



GENERAL LAB C185, C187 - SIM
MICROBIOLOGY LAB C263 - SIM, 263 - OPP
CHEMISTRY LAB C261 - SIM

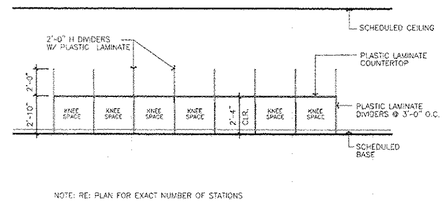
GENERAL SCIENCE LAB 05
SCALE: 1/4"=1'-0"



A B

GENERAL LAB C185, C186, C187 - SIM
MICROBIOLOGY LAB 263 - SIM
CHEMISTRY LAB 261 - SIM

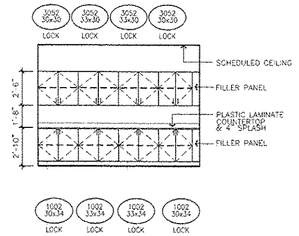
GENERAL SCIENCE LAB C185 04
SCALE: 1/4"=1'-0"



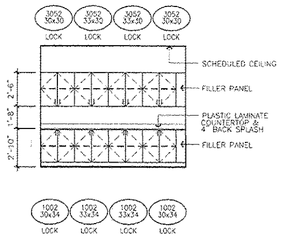
NOTE: RE: PLAN FOR EXACT NUMBER OF STATIONS

GENERAL LAB C182, C183, C184 - SIM
LANGUAGE LAB C181 - SIM

GENERAL LAB 03
SCALE: 1/4"=1'-0"



ADMIN STAFF C174 02
SCALE: 1/4"=1'-0"



WORKROOM C173 01
SCALE: 1/4"=1'-0"

Laredo Community College
Second Campus

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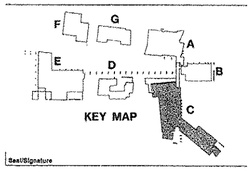
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05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT DAVID M. SCHWARZ STATE OF TEXAS
04/11/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

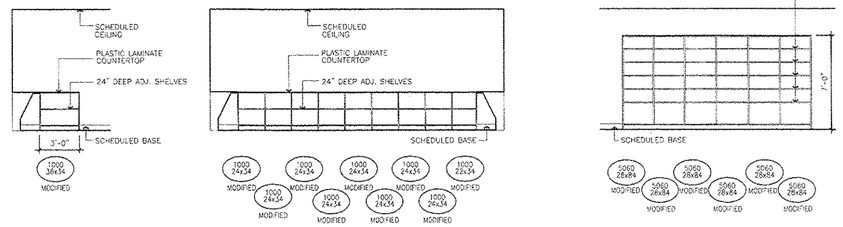
Description
BUILDING C
MILLWORK DETAILS

Scale
3/4" = 1'-0"

True North
Ref. North

C-A12.13

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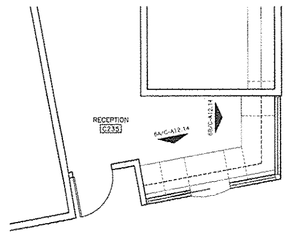
A B C

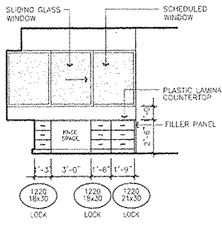
ELEVATION 11
SCALE: 1"=1'-0"

ELEVATION 10
SCALE: 1/4"=1'-0"

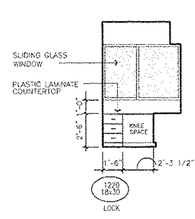
ELEVATION 08
SCALE: 1/4"=1'-0"

EQUIPMENT STORAGE C245 07
SCALE: 1/4"=1'-0"





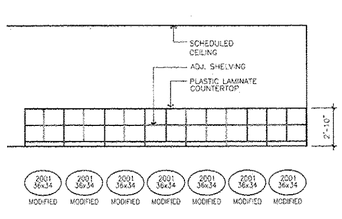
A



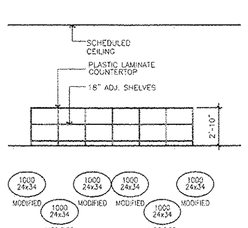
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RECEPTION C235
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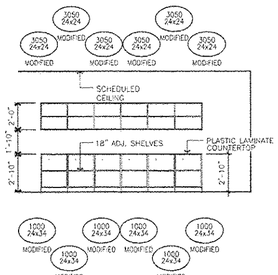
06



A



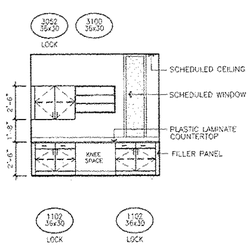
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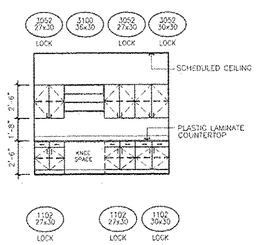
D.E. INSTRUCTION C246
SCALE: 1/4"=1'-0"

05

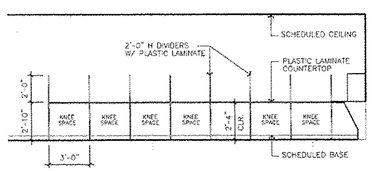


FACULTY OFFICE C226, C227, C228, C231, C232, C233, C234 - SIM

FACULTY OFFICE 04
SCALE: 1/4"=1'-0"

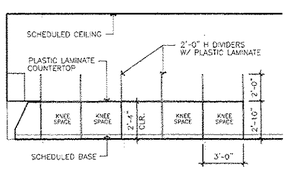


FACULTY OFFICE C225 03
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A

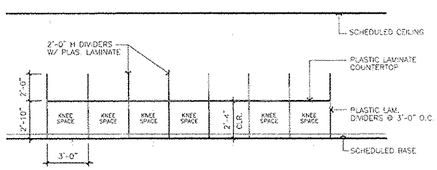
NOTE: RE: PLAN FOR EXACT NUMBER OF STATIONS



B

CET LAB C212, C217, C240, C242 - SIM
GENERAL LAB C219 - OPPOSITE
GENERAL LAB C221, C237, C239 - SIM

GENERAL LAB 02
SCALE: 1/4"=1'-0"



NOTE: RE: PLAN FOR EXACT NUMBER OF STATIONS

CET LAB C212, C217, C219, C221, C237, C239, C242 - SIM

CET LAB 01
SCALE: 1/4"=1'-0"

Laredo Community College
Second Campus

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Facsimile 713.229.9343

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Food Service Consultant
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10850 Richmond Ave.
Suite 330
Houston, TX 77042
(713) 784.3212/ (713) 784.2933 Fax

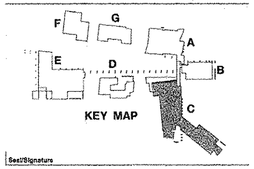
Civil Engineer
Mejia Engineering Co.
1202 Houston St. Suite 200
Laredo, Texas 78040
(956) 725-5057/ (956) 725-7070 Fax

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Landscape Design
SLA Studio Land
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(713) 787.0719/ (713) 787.5190 Fax

Issue	Date & Issue Description	By	Check
-- 01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT — STATE OF TEXAS

04/11/02
Exp. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
MILLWORK DETAILS

Scale
3/4" = 1'-0"

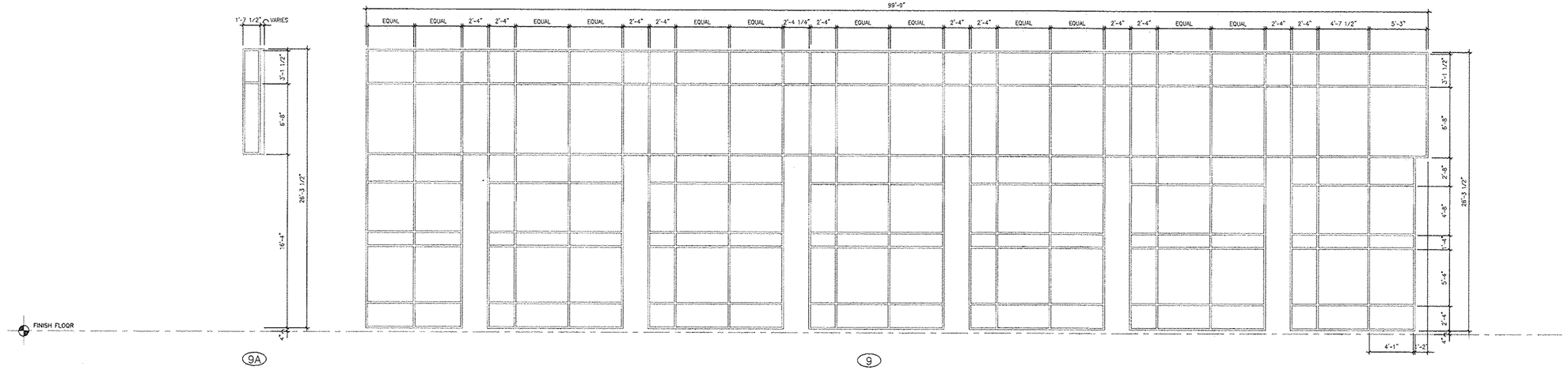
True North
Ref. North

C-A12.14

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GENERAL NOTES

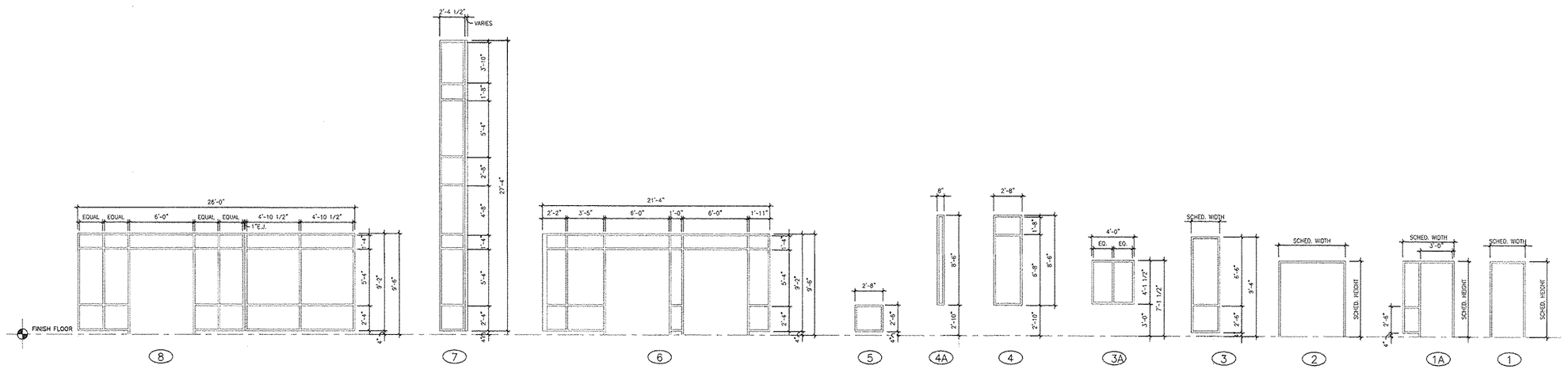
1. REFER TO EXTERIOR ELEVATIONS AND SPECIFICATIONS FOR GLAZING TYPES AND LOCATIONS.
2. ALL FRAME SIZES INDICATED ARE ROUGH OPENING FIELD VERIFY ALL DIMENSIONS FOR EXACT SIZE AND LOCATION.
8. PROVIDE ALUMINUM THRESHOLD SET IN FULL BED OF SEALANT AT ALL EXTERIOR DOORS.



WINDOW FRAME ELEVATIONS

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

02



DOOR AND WINDOW FRAME ELEVATIONS

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

01

Laredo Community College
Second Campus

Laird Hall Rm. 125
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Laredo, Texas 78040

Jacobs Facilities, Inc. — Project Manager
Laredo Community College
Second Campus Project Management
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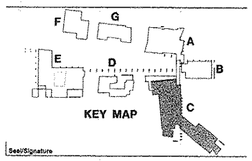
Civil Engineer
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01	10.11.01 SCHEMATIC DESIGN & PRICING		
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05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature

REGISTERED ARCHITECT — BRENT L. NEWBERRY — 19151 — STATE OF TEXAS
04/11/02
EXP. 02/28/03

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

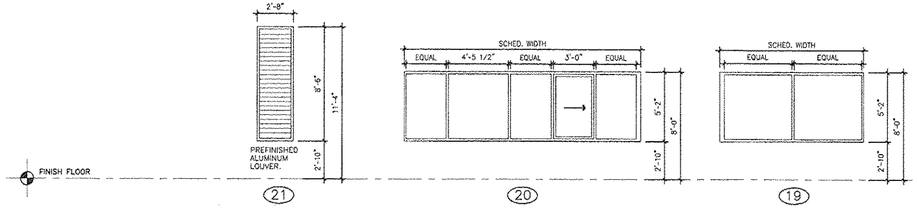
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Description
WINDOW, LOUVER, DOOR & FRAME ELEVATIONS

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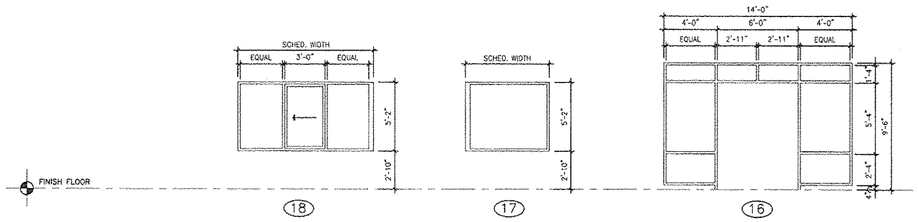
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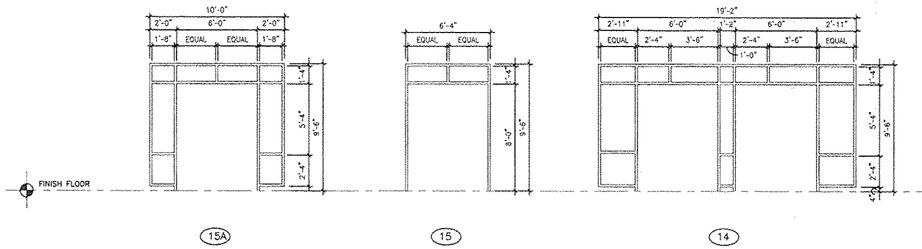
WINDOW FRAME ELEVATIONS 04

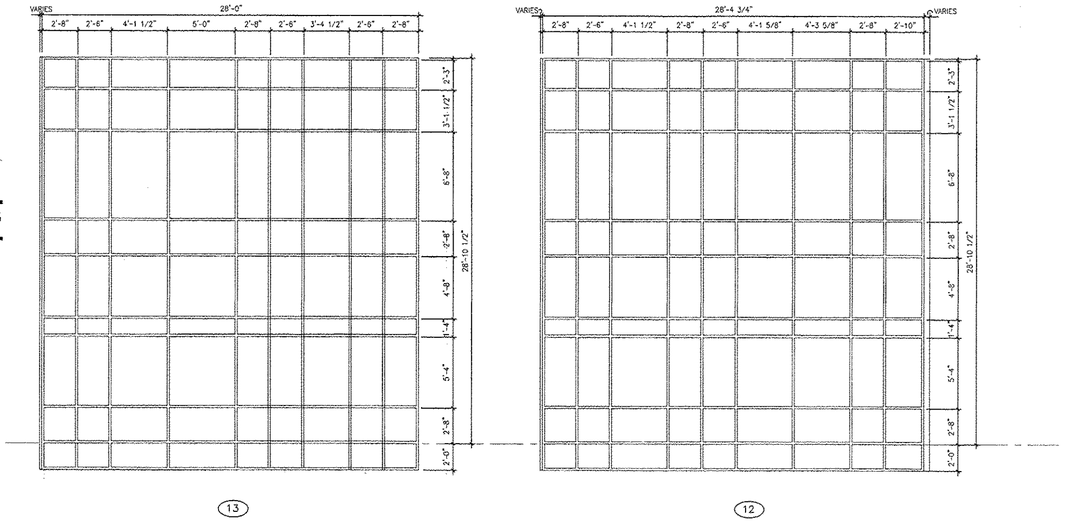
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WINDOW FRAME ELEVATIONS 03

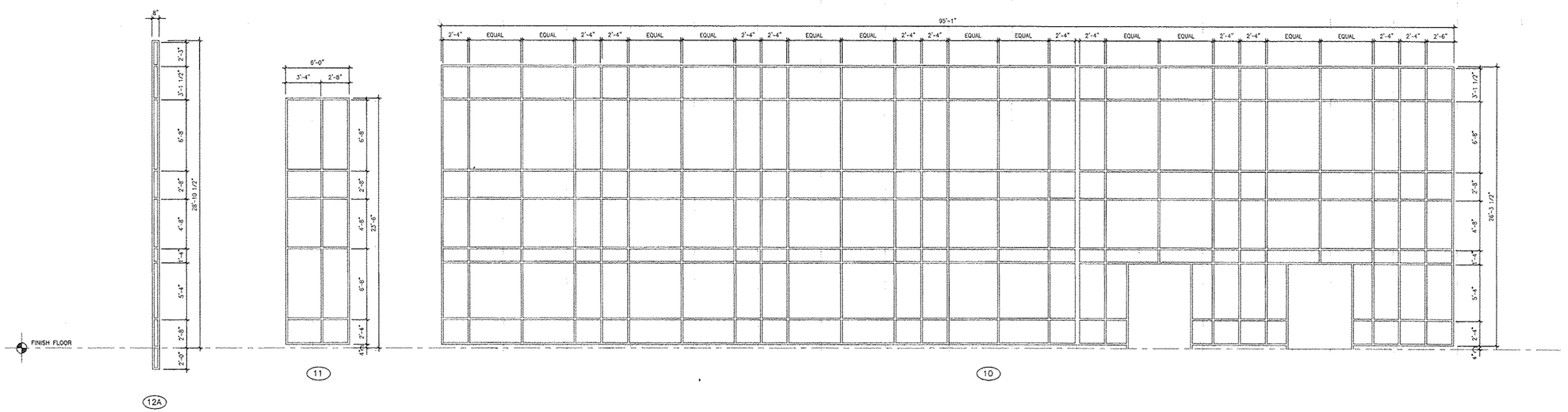
SCALE: 1/4"=1'-0"





WINDOW FRAME ELEVATIONS 02

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



DOOR AND WINDOW FRAME ELEVATIONS 01

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

GENERAL NOTES

1. REFER TO EXTERIOR ELEVATIONS AND SPECIFICATIONS FOR GLAZING TYPES AND LOCATIONS.
2. ALL FRAME SIZES INDICATED ARE ROUGH OPENING FIELD VERIFY ALL DIMENSIONS FOR EXACT SIZE AND LOCATION.
3. PROVIDE ALUMINUM THRESHOLD SET IN FULL BED OF SEALANT AT ALL EXTERIOR DOORS.

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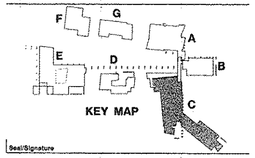
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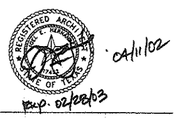
Landscape Design
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ISSUE FOR
JUN 1 8 2002
~~CONSTRUCTION~~



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
WINDOW, LOUVER, DOOR & FRAME ELEVATIONS

Scale
1/4" = 1'-0"

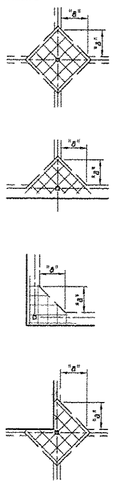
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FOOTING SCHEDULE		
TYPE	" d "	REINFORCING
F1	1'-6"	4 - #5 E.W.
F2	2'-0"	4 - #5 E.W.
F3	2'-6"	5 - #5 E.W.
F4	3'-0"	5 - #5 E.W.
F5	3'-6"	6 - #5 E.W.
F6	4'-0"	6 - #5 E.W.
F7	4'-6"	7 - #5 E.W.
F8	5'-0"	7 - #5 E.W.
F9	5'-6"	8 - #5 E.W.
F10	6'-0"	9 - #5 E.W.

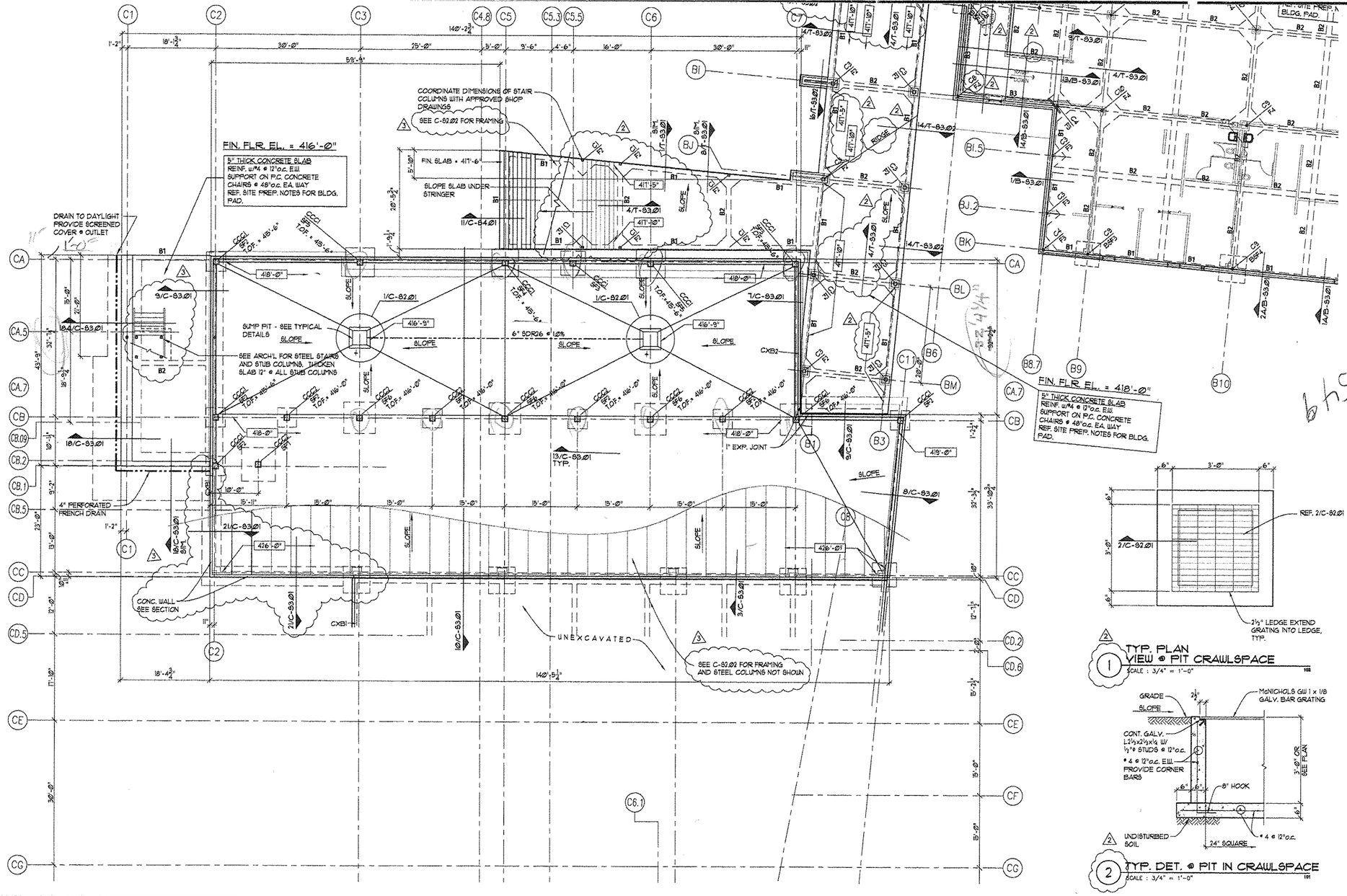
LEGEND



SEE 16/T-83.01 FOR ADDITIONAL REINF. @ FOOTINGS NOT SHOWN

STEEL COLUMN SCHEDULE	
MK	SIZE
C1	HSS4x4x¼
C2	HSS5x5x¼
C3	HSS6x6x¼
C4	HSS6x6x⅜
C5	W16x67
C6	W12x58
C7	HSS6x6x3/16
C8	HSS8x8x¼
C9	HSS8x8x⅜
C10	HSS8x8x5/16
C11	W8x28
C12	HSS4x4x⅜
C13	W12x40
C14	W12x65
C15	HSS10x6x5/16

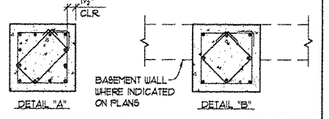
SEE PLAN FOR SIZES NOT SHOWN
SEE 1/T-83.02 FOR BASEPLATE



2 / 1 TYP. PLAN VIEW @ PIT CRAWLSPACE
SCALE : 3/4" = 1'-0"

2 / 2 TYP. DET. @ PIT IN CRAWLSPACE
SCALE : 3/4" = 1'-0"

CONCRETE COLUMN/ PILASTER SCHEDULE							
COLUMN MARK	SIZE	VERT. REINF. NO.	VERT. REINF. SIZE	TIES SIZE	TIES SPCG.	TIES SETS	DETAIL
CCC1	14x14	8	#7	#3	12"o.c.	2	"B"
CCC2	14x14	12	#8	#3	12"o.c.	2	"A"



SPREAD FOOTING SCHEDULE C		
TYPE	SIZE	REINFORCING (EACH WAY)
SF1	3'-0" x 3'-0" x 12"	5 - #4 E.W.
SF2	4'-0" x 4'-0" x 12"	6 - #4 E.W.
SF3	5'-0" x 5'-0" x 12"	7 - #4 E.W.
SF4	5'-6" x 5'-6" x 14"	6 - #5 E.W.
SF5	6'-0" x 6'-0" x 14"	7 - #5 E.W.
SF6	6'-6" x 6'-6" x 16"	6 - #6 E.W.
SF7	7'-0" x 7'-0" x 18"	6 - #6 E.W.
SF8	12'-0" x 4'-0"	#5 @ 12"o.c. E.W.
SF9		
SF10		

BUILDING C - GROUND LEVEL PLAN - AREA A
SCALE : 1/8" = 1'-0"

3 SEE C-82.02 FOR GRADE BEAM SCHEDULE
REFER TO ARCH'L FOR AREAWAY LOCATIONS AND 8/S4.02 FOR AREAWAY DETAIL

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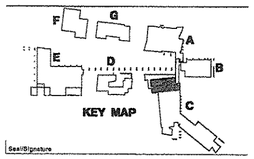
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ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
GROUND LEVEL PLAN - AREA A

Scale

True North
Ref. North

C-S2.01

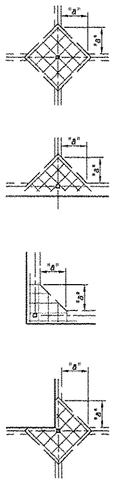
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PLOT SCALE 1=96
FILE 01892dc-2001 JOB# 01892

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FOOTING SCHEDULE		
TYPE	" d "	REINFORCING
F1	1'-6"	4 - #5 E.W.
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F3	2'-6"	5 - #5 E.W.
F4	3'-0"	5 - #5 E.W.
F5	3'-6"	6 - #5 E.W.
F6	4'-0"	6 - #5 E.W.
F7	4'-6"	7 - #5 E.W.
F8	5'-0"	7 - #5 E.W.
F9	5'-6"	8 - #5 E.W.
F10	6'-0"	9 - #5 E.W.

LEGEND

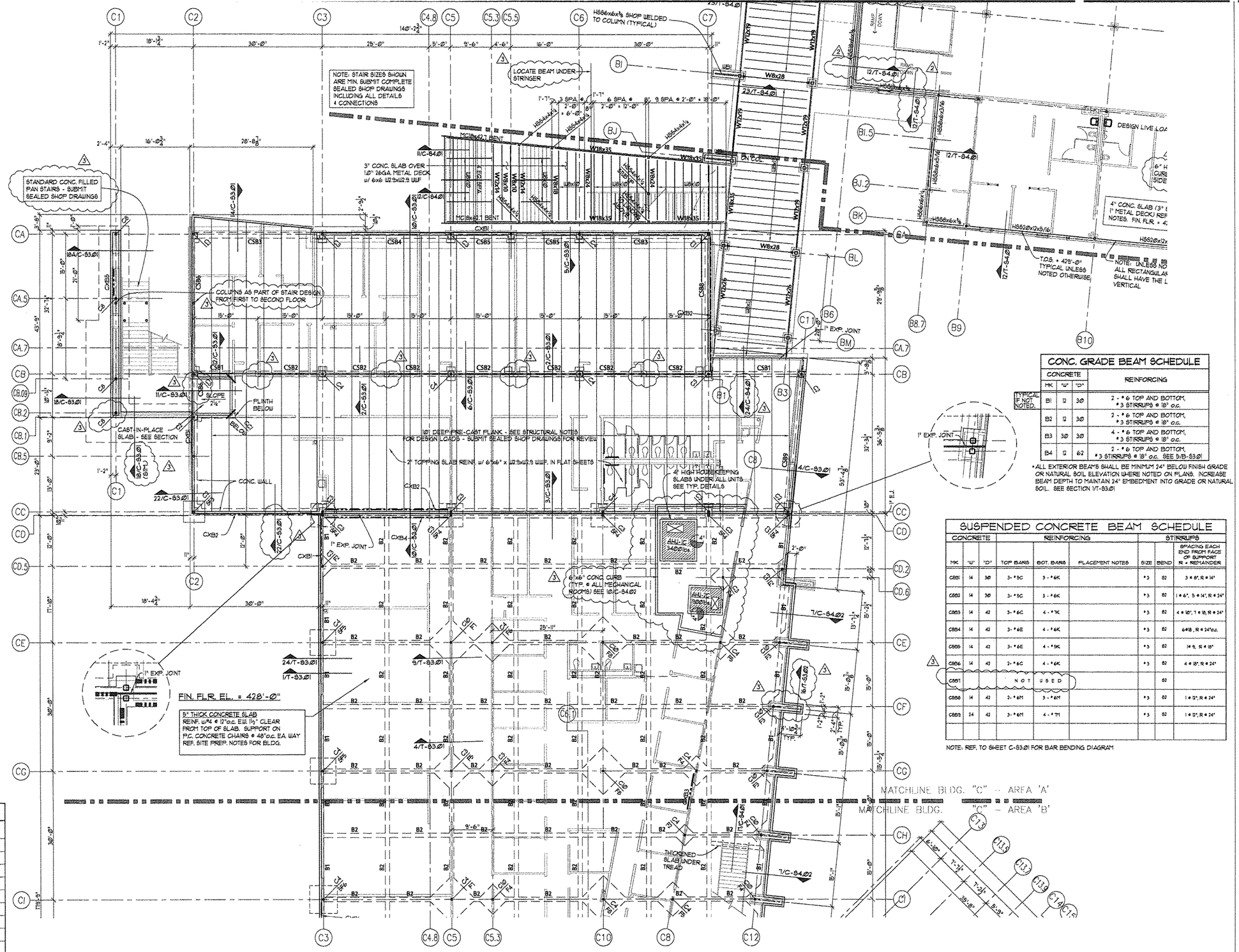


SEE 16/T-83.01 FOR ADDITIONAL REINF. @ FOOTINGS NOT SHOWN

STEEL COLUMN SCHEDULE	
MK	SIZE
C1	HSS4x4x1/4
C2	HSS5x5x1/4
C3	HSS6x6x1/4
C4	HSS6x6x3/8
C5	W16x67
C6	W12x58
C7	HSS6x6x3/16
C8	HSS8x8x1/4
C9	HSS8x8x3/8
C10	HSS8x8x5/16
C11	W8x28
C12	HSS4x4x3/8
C13	W12x40
C14	W12x65
C15	HSS10x6x5/16

SEE PLAN FOR SIZES NOT SHOWN
SEE 1/T-83.01 FOR BASEPLATE

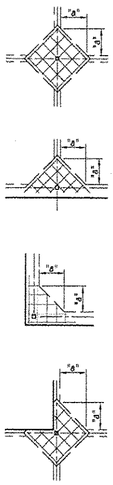
SPREAD FOOTING SCHEDULE C		
TYPE	SIZE	REINFORCING (EACH WAY)
SF1	3'-0" x 3'-0" x 12"	5 - #4 E.W.
SF2	4'-0" x 4'-0" x 12"	6 - #4 E.W.
SF3	5'-0" x 5'-0" x 12"	7 - #4 E.W.
SF4	5'-6" x 5'-6" x 14"	6 - #5 E.W.
SF5	6'-0" x 6'-0" x 14"	7 - #5 E.W.
SF6	6'-6" x 6'-6" x 16"	6 - #6 E.W.
SF7	7'-0" x 7'-0" x 18"	6 - #6 E.W.
SF8	12'-0" x 4'-0"	#5 @ 12" o.c. E.W.
SF9		
SF10		


NOTE: STAIR SIZES SHOWN ARE MIN. SUBMIT COMPLETE SEALED SHOP DRAWINGS INCLUDING ALL DETAILS & CONNECTIONS
LOCATE BEAM UNDER STRINGER
STANDARD CONC. FILLED PAN STAIRS - SUBMIT SEALED SHOP DRAWINGS
3" CONC. SLAB OVER 1.0" 26GA. METAL DECK w/ 6x6 W2.9xW2.9 WWF
COLUMNS AS PART OF STAIR DESIGN FROM FIRST TO SECOND FLOOR
SLOPE 2¼"
PLINTH BELOW
CAST-IN-PLACE SLAB - SEE SECTION
CONC. WALL
10" DEEP PRE-CAST PLANK - SEE STRUCTURAL NOTES FOR DESIGN LOADS - SUBMIT SEALED SHOP DRAWINGS FOR REVIEW
2" TOPPING SLAB REINF. w/ 6x6 x W2.9xW2.9 WWF, IN FLAT SHEETS
4" HIGH HOUSEKEEPING SLABS UNDER ALL UNITS SEE TYP. DETAILS
1" EXP. JOINT
6"x6" CONC. CURB (TYP. @ ALL MECHANICAL ROOMS) SEE 10/C-84.02
AHU-1C 340#/DIA
AHU-2C 340#/DIA
FIN. FLR. EL. = 428'-0"
5" THICK CONCRETE SLAB REINF. w/#4 @ 12" o.c. E.W. 1½" CLEAR FROM TOP OF SLAB. SUPPORT ON P.C. CONCRETE CHAIRS @ 48" o.c. EA. WAY REF. SITE PREP. NOTES FOR BLDG.
THICKENED SLAB UNDER TREAD
MC18x42.7 BENT
MC18x42.7 BENT
CXB1
CXB2
CXB3
CXB4
CSB1
CSB2
CSB3
CSB4
CSB5
CSB6
CSB8
W16x35
W12x26
W8x28
W8x10
W8x24
W8x31
W12x14
W12x19
W12x16
W12x22
W12x45
W12x65
W12x87
W12x96
W12x106
W12x120
W12x136
W12x152
W12x170
W12x190
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W12x2925
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W12x3015
W12x3060
W12x3105
W12x3150
W12x3195

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FOOTING SCHEDULE		
TYPE	"d"	REINFORCING
F1	1'-6"	4 - #5 E.W.
F2	2'-0"	4 - #5 E.W.
F3	2'-6"	5 - #5 E.W.
F4	3'-0"	5 - #5 E.W.
F5	3'-6"	6 - #5 E.W.
F6	4'-0"	6 - #5 E.W.
F7	4'-6"	7 - #5 E.W.
F8	5'-0"	7 - #5 E.W.
F9	5'-6"	8 - #5 E.W.
F10	6'-0"	9 - #5 E.W.

LEGEND



SEE 16/T-93.01 FOR ADDITIONAL REINF. @ FOOTINGS NOT SHOWN

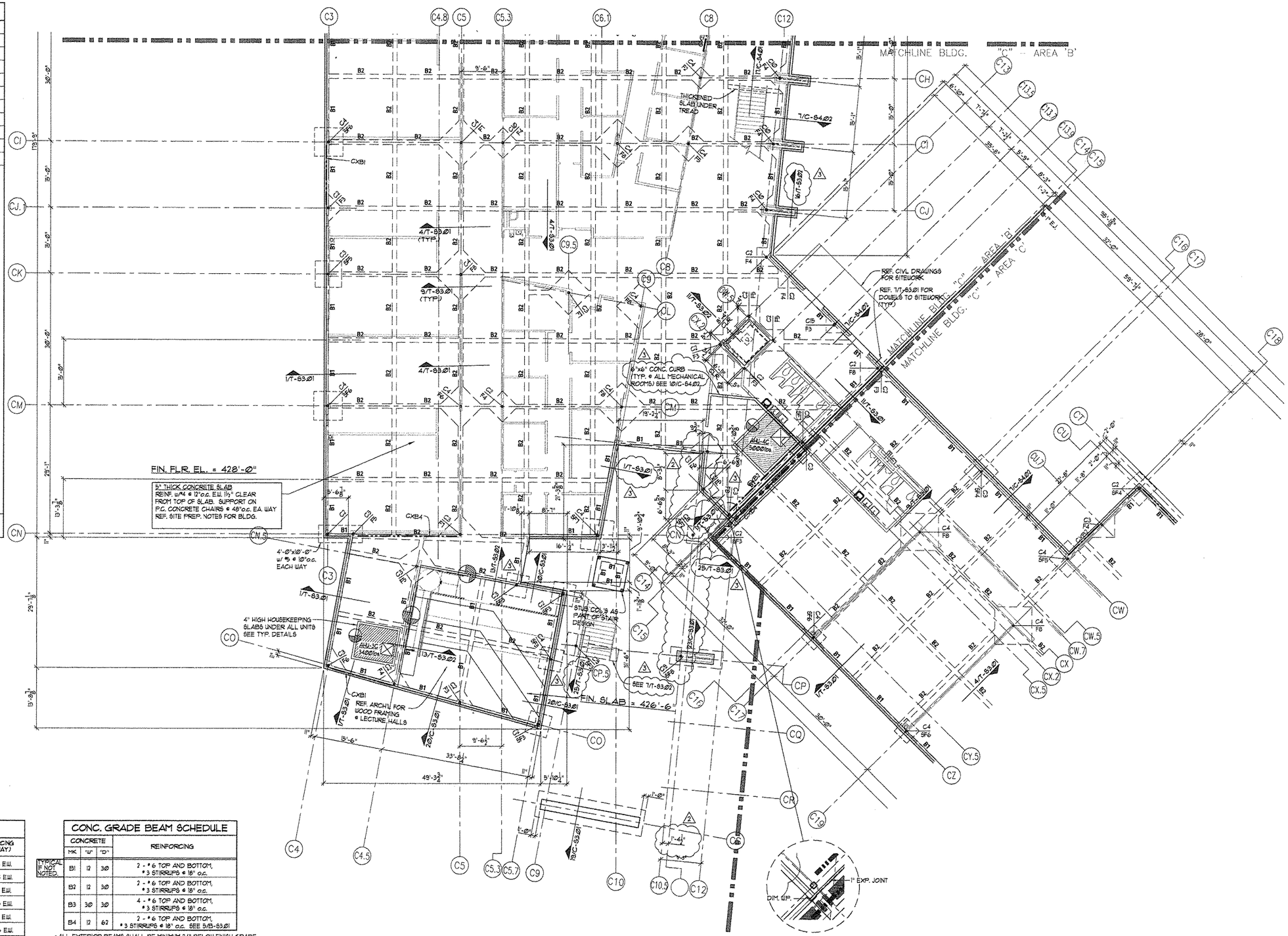
STEEL COLUMN SCHEDULE	
MK	SIZE
C1	HSS4x4x1/4
C2	HSS5x5x1/4
C3	HSS6x6x1/4
C4	HSS6x6x3/8
C5	W6x67
C6	W12x58
C7	HSS6x6x3/16
C8	HSS8x8x1/4
C9	HSS8x8x3/8
C10	HSS8x8x5/16
C11	W8x28
C12	HSS4x4x3/8
C13	W12x40
C14	W12x65
C15	HSS10x6x5/16
SEE PLAN FOR SIZES NOT SHOWN SEE 1/T-93.02 FOR BASEPLATE	

SPREAD FOOTING SCHEDULE C		
TYPE	SIZE	REINFORCING (EACH WAY)
SF1	3'-0" x 3'-0" x 12"	5 - #4 E.W.
SF2	4'-0" x 4'-0" x 12"	6 - #4 E.W.
SF3	5'-0" x 5'-0" x 12"	7 - #4 E.W.
SF4	5'-6" x 5'-6" x 14"	6 - #5 E.W.
SF5	6'-0" x 6'-0" x 14"	7 - #5 E.W.
SF6	6'-6" x 6'-6" x 16"	6 - #6 E.W.
SF7	7'-0" x 7'-0" x 18"	6 - #6 E.W.
SF8	12'-0" x 4'-0"	#5 @ 12" o.c. E.W.
SF9		
SF10		

CONC. GRADE BEAM SCHEDULE			
	CONCRETE		REINFORCING
MK	"W"	"D"	
B1	12	30	2 - #6 TOP AND BOTTOM, #3 STIRRUPS @ 18" o.c.
B2	12	30	2 - #6 TOP AND BOTTOM, #3 STIRRUPS @ 18" o.c.
B3	30	30	4 - #6 TOP AND BOTTOM, #3 STIRRUPS @ 18" o.c.
B4	12	62	2 - #6 TOP AND BOTTOM, #3 STIRRUPS @ 18" o.c. SEE 5/B-93.01

(TYPICAL IF NOT NOTED.)

* ALL EXTERIOR BEAMS SHALL BE MINIMUM 24" BELOW FINISH GRADE OR NATURAL SOIL ELEVATION WHERE NOTED ON PLANS. INCREASE BEAM DEPTH TO MAINTAIN 24" EMBEDMENT INTO GRADE OR NATURAL SOIL. SEE SECTION 1/T-93.01



BUILDING C - FIRST LEVEL / FOUNDATION FRAMING PLAN - AREA B

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

SEE 3 & 4/T-81.02 FOR BUILDING PAD DETAIL

Laredo Community College
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Food Service Consultant
Frank Clements Associates, Inc.
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(713) 784.3212/ (713) 784.2933 Fax

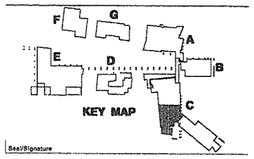
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△	Issue	Date & Issue Description	By	Check
---	01	10.11.01		
		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature

STATE OF TEXAS — MICHAEL C. JOHNSON — 81684 — LICENSED — REGISTERED PROFESSIONAL ENGINEER

6.10.02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
FIRST LEVEL / FOUNDATION FRAMING PLAN - AREA B

Scale

True North

C-S2.03

Ref. North

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PLOT SCALE 1=96
FILE: 01892dsc-s202.dgn 01892

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CONC. GRADE BEAM SCHEDULE

	CONCRETE			REINFORCING
	MK	"W"	"D"	
TYPICAL IF NOT NOTED.	B1	12	30	2 - #6 TOP AND BOTTOM, #3 STIRRUPS @ 18" o.c.
	B2	12	30	2 - #6 TOP AND BOTTOM, #3 STIRRUPS @ 18" o.c.
	B3	30	30	4 - #6 TOP AND BOTTOM, #3 STIRRUPS @ 18" o.c.
	B4	12	62	2 - #6 TOP AND BOTTOM, #3 STIRRUPS @ 18" o.c. SEE 5/B-53.01

*ALL EXTERIOR BEAMS SHALL BE MINIMUM 24" BELOW FINISH GRADE OR NATURAL SOIL ELEVATION WHERE NOTED ON PLANS. INCREASE BEAM DEPTH TO MAINTAIN 24" EMBEDMENT INTO GRADE OR NATURAL SOIL. SEE SECTION 1/T-53.01

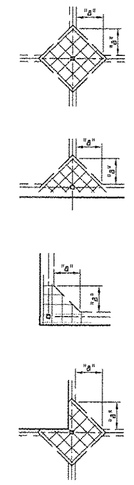
SPREAD FOOTING SCHEDULE C

TYPE	SIZE	REINFORCING (EACH WAY)
SF1	3'-0" x 3'-0" x 12"	5 - #4 E.W.
SF2	4'-0" x 4'-0" x 12"	6 - #4 E.W.
SF3	5'-0" x 5'-0" x 12"	7 - #4 E.W.
SF4	5'-6" x 5'-6" x 14"	6 - #5 E.W.
SF5	6'-0" x 6'-0" x 14"	7 - #5 E.W.
SF6	6'-6" x 6'-6" x 16"	6 - #6 E.W.
SF7	7'-0" x 7'-0" x 18"	6 - #6 E.W.
SF8	12'-0" x 4'-0"	#5 @ 12"o.c. E.W.
SF9		
SF10		

FOOTING SCHEDULE

TYPE	"@"	REINFORCING
F1	1'-6"	4 - #5 E.W.
F2	2'-0"	4 - #5 E.W.
F3	2'-6"	5 - #5 E.W.
F4	3'-0"	5 - #5 E.W.
F5	3'-6"	6 - #5 E.W.
F6	4'-0"	6 - #5 E.W.
F7	4'-6"	7 - #5 E.W.
F8	5'-0"	7 - #5 E.W.
F9	5'-6"	8 - #5 E.W.
F10	6'-0"	9 - #5 E.W.

LEGEND

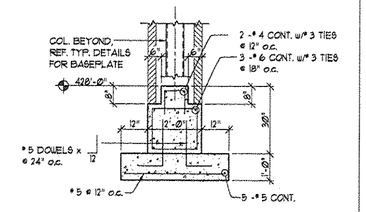


SEE 16/T-53.01 FOR ADDITIONAL REINF. @ FOOTINGS NOT SHOWN

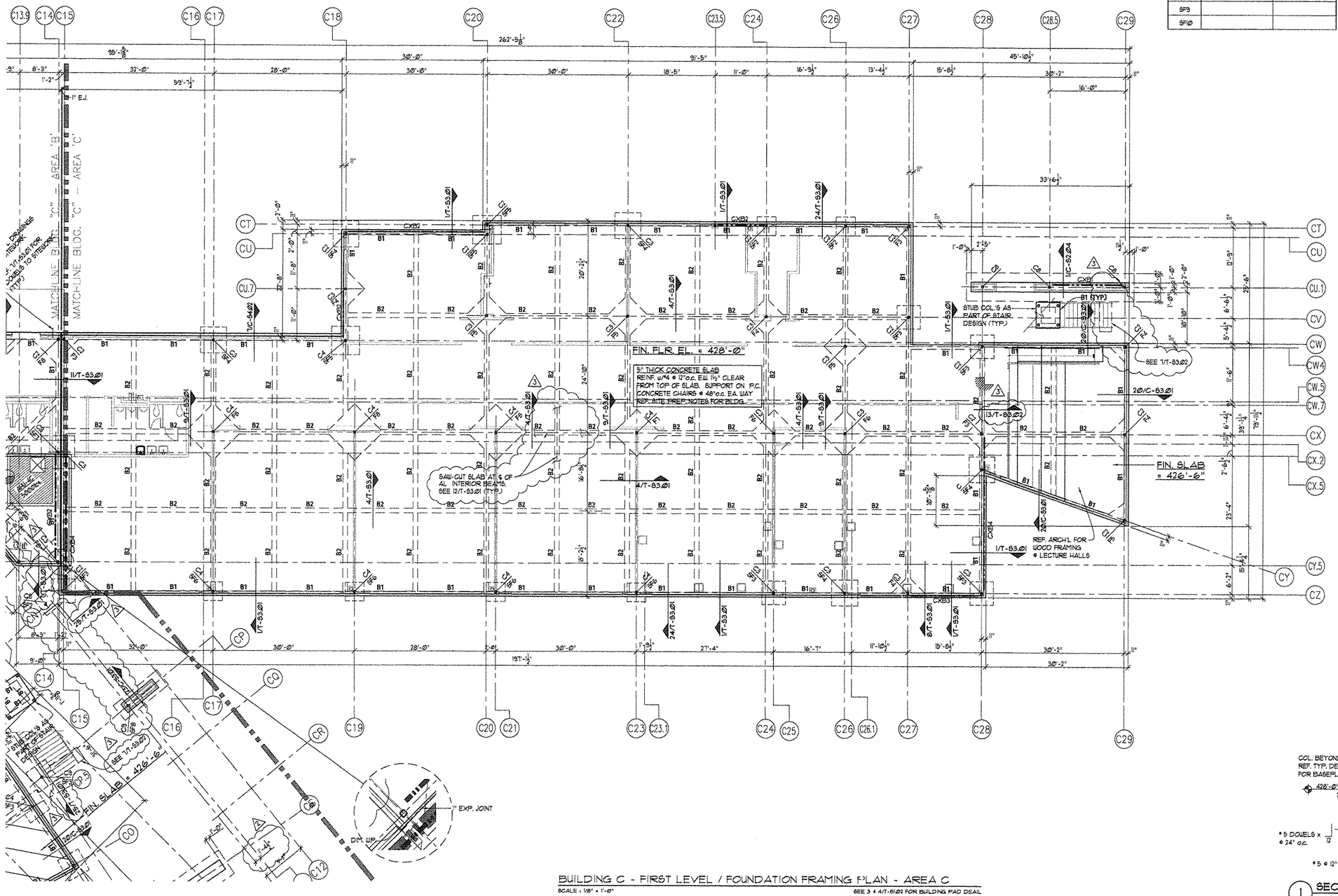
STEEL COLUMN SCHEDULE

MK	SIZE
C1	HSS4x4x1/4
C2	HSS5x5x1/4
C3	HSS6x6x1/4
C4	HSS6x6x3/8
C5	W6x67
C6	W12x58
C7	HSS6x6x3/16
C8	HSS8x8x1/4
C9	HSS8x8x3/8
C10	HSS8x8x5/16
C11	W8x28
C12	HSS4x4x3/8
C13	W12x40
C14	W12x65
C15	HSS10x6x5/16

SEE PLAN FOR SIZES NOT SHOWN
SEE 1/T-53.02 FOR BASEPLATE



1 SECTION @ PILASTER
SCALE : 1/2" = 1'-0"



BUILDING C - FIRST LEVEL / FOUNDATION FRAMING PLAN - AREA C
SCALE : 1/8" = 1'-0"

PLOT SCALE 1=96
FILE: 018720dc-s202.dgn 01892

Laredo Community College
Second Campus

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Laredo, Texas 78040

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Food Service Consultant
Frank Clements Associates, Inc.
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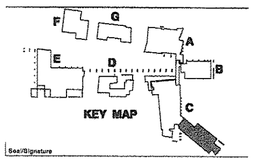
Civil Engineer
Mejia Engineering Co.
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Issue		Date & Issue Description	By	Check
---	01	10.11.01 SCHEMATIC DESIGN & PRICING		
	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
FIRST LEVEL / FOUNDATION FRAMING PLAN - AREA C

Scale

True North
Ref. North

C-S2.04

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BUILDING C - SECOND LEVEL FRAMING PLAN - AREA A

SCALE : 1/8" = 1'-Ø"

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Second Campus

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Laredo, Texas 78040

Jacobs Facilities, Inc. — Project Manager
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△	Issue	Date & Issue Description	By	Check
---	01	10.11.01 SCHEMATIC DESIGN & PRICING		
	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION

KEY MAP

Seal/Signature

STATE OF TEXAS — MICHAEL C. JOHNSON — 81084 — LICENSED — PROFESSIONAL ENGINEER

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C SECOND LEVEL FRAMING PLAN - AREA A

Date

True North

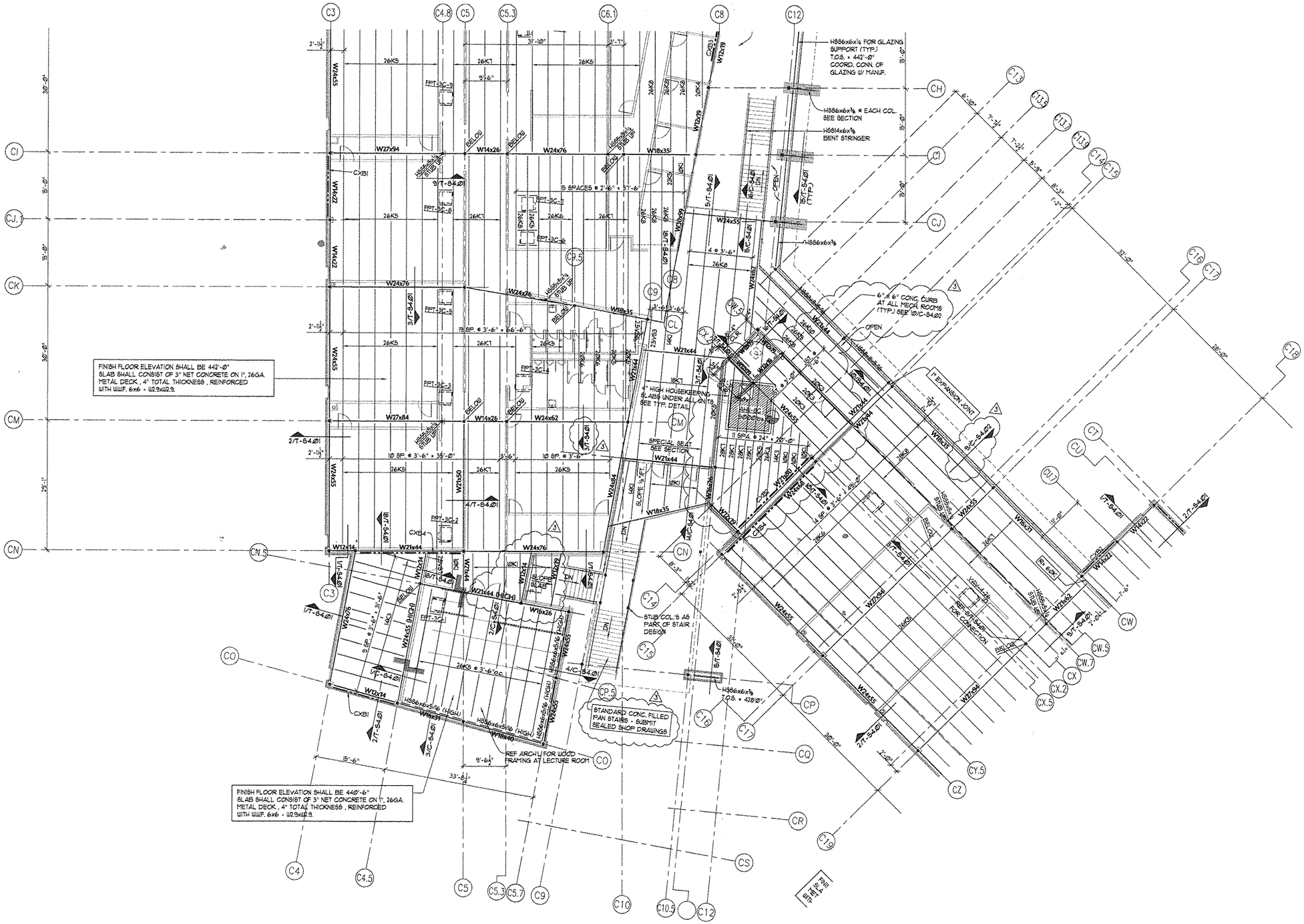
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FILE 01892a0c-s2003.JOB# 01892 PLOT SCALE 1=96

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△	Issue	Date & Issue Description	By	Check
---	01	10.11.01 SCHEMATIC DESIGN & PRICING		
	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
~~JUN 1 8 2002~~
CONSTRUCTION

KEY MAP

Seal/Signature

STATE OF TEXAS — MICHAEL G. JOHNSON — 81994 — LICENSED — PROFESSIONAL ENGINEER

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
SECOND LEVEL
FRAMING PLAN - AREA B

Scale

True North

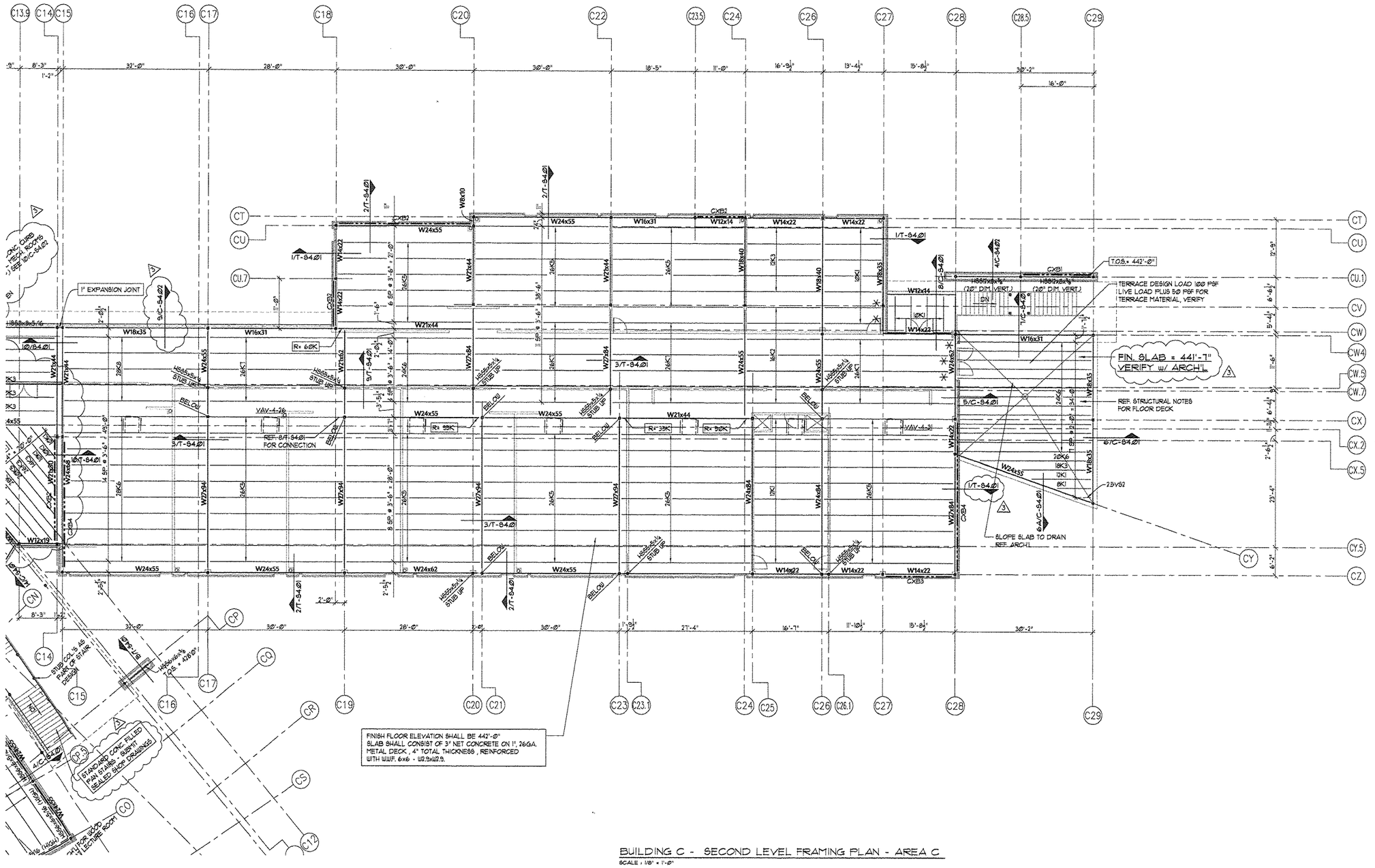
C-S2.06

Ref. North

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FILE: 01897doc-4203.dwg 01892 PLOT SCALE 1=96

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BUILDING C - SECOND LEVEL FRAMING PLAN - AREA C

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

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Second Campus

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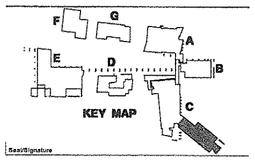
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SLA Studio Land
10665 Richmond Ave. Suite 100
Houston, Texas 77042
(713) 787.0710/ (713) 787.5190 Fax

△	Issue	Date & Issue Description	By	Check
---	01	10.11.01		
		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature

STATE OF TEXAS
MICHAEL C. JOHNSON
81004
LICENSED
PROFESSIONAL ENGINEER
4-10-02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
SECOND LEVEL
FRAMING PLAN - AREA C

Scale

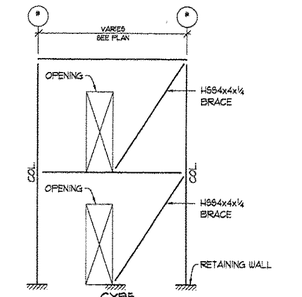
True North
Ref. North

C-S2.07

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FILE 01892doc-2003.dgn 01892 PLOT SCALE 1=96

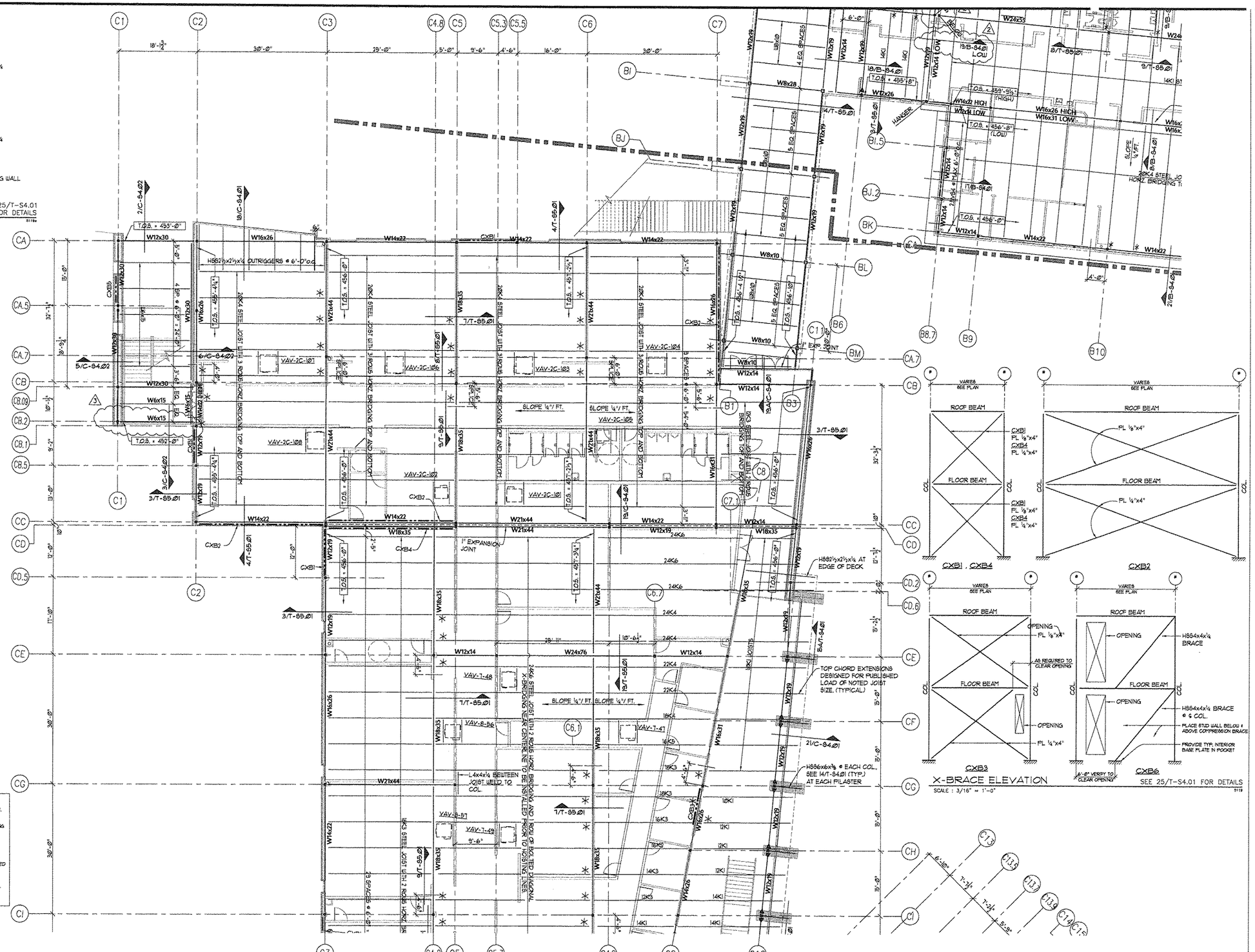
These Contract Drawings Can Not Be Copied Or Reproduced Without Written Consent From Alpha Consulting Engineers Inc.



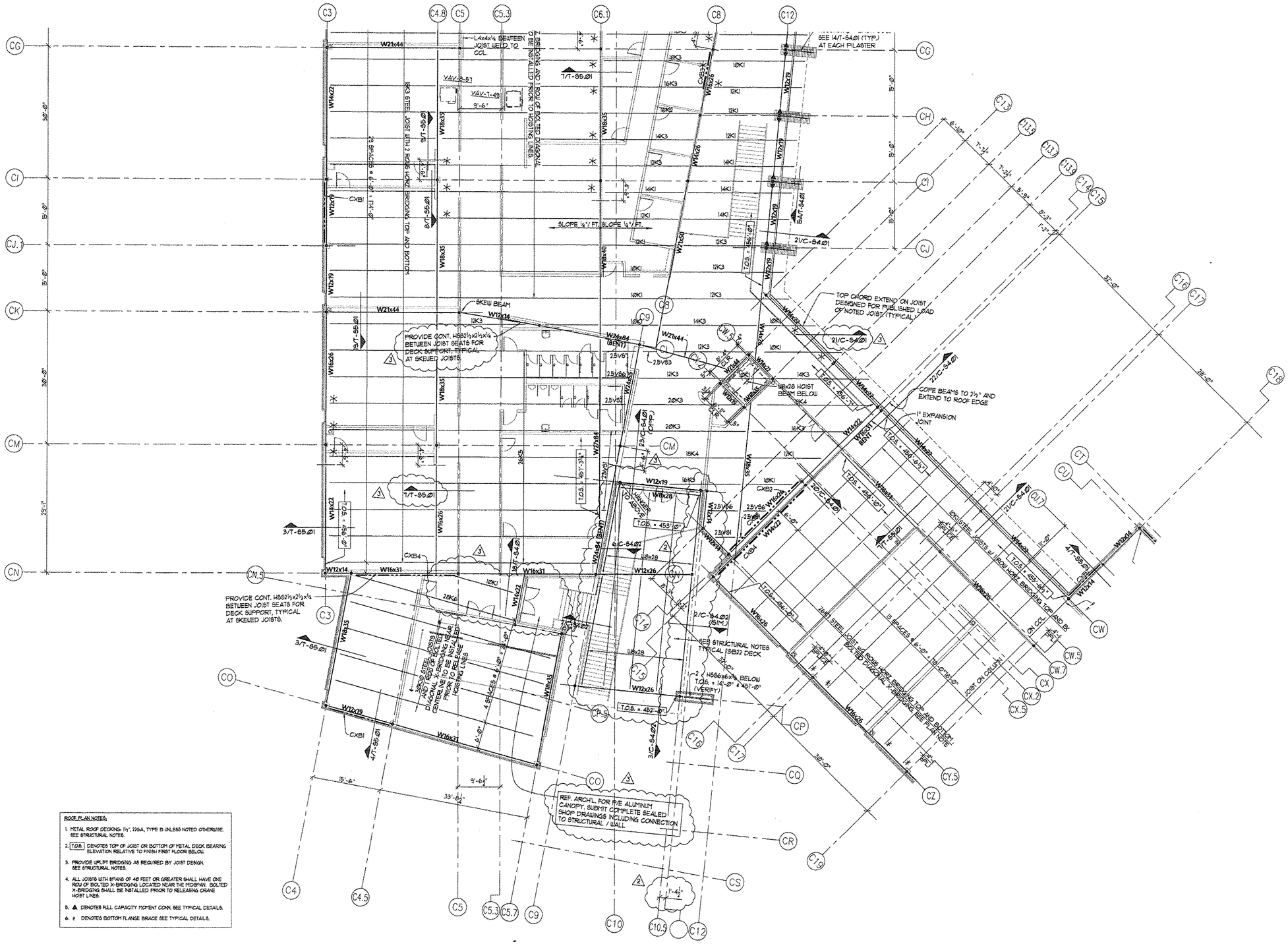
X-BRACE ELEVATION

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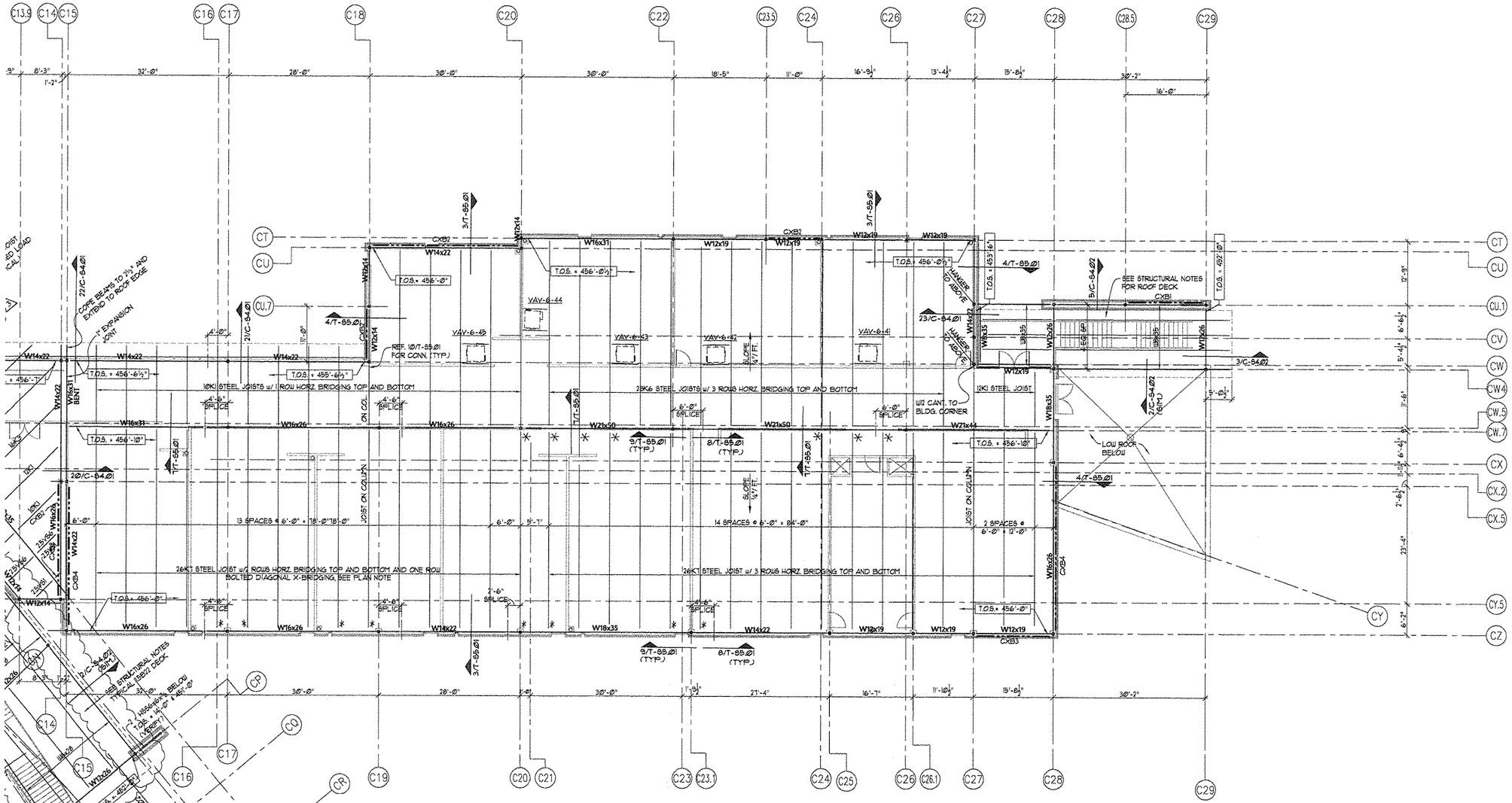
SEE 25/T-S4.01 FOR DETAILS


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C3
C4.8
C5
C5.3
C6.1
C8
C12
C13
C13.3
C13.7
C14
C15
C16
C17
C18
CG
CH
CI
CJ
CK
CM
CN
CN.5
CO
CP
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CR
CS
CT
CU
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CW.5
CW.7
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CX.2
CX.5
CY.5
CZ
C1
C2
C3
C4
C4.5
C5
C5.3
C5.7
C9
C10
C10.5
C12
L4x4x¼ BEWTEEN JOIST WELD TO COL.
EBRIDGING AND BOW OF BOLTED DIAGONAL TO BE INSTALLED PRIOR TO HOISTING LINES.
SEE 14/T-84Ø1 (TYP.) AT EACH PILASTER
SLOPE ¼"/ FT.
SLOPE ¼"/ FT.
TOP CHORD EXTEND ON JOIST DESIGNED FOR FURNISHED LOAD OF NOTED JOIST (TYPICAL)
SKEW BEAM
PROVIDE CONT. HSS2½x2½x¼ BETWEEN JOIST SEATS FOR DECK SUPPORT, TYPICAL AT SKEWED JOISTS.
COPE BEAMS TO 2½" AND EXTEND TO ROOF EDGE
1" EXPANSION JOINT
18K8 JOIST BEAM BELOW
24K5 STEEL JOISTS JOIST ROW TO BE BOLTED DIAGONAL X-BRACING NEAR CENTERLINE TO BE INSTALLED PRIOR TO RELEASE FROM HOISTING LINES
4 SPACES @ 6'-0" = 24'-0"
7 SPACES @ 6'-0" = 42'-0"
3 SPACES @ 6'-0" = 18'-0"
2 SPACES @ 6'-0" = 12'-0"
24K9 STEEL JOISTS JOIST ROW TO BE BOLTED DIAGONAL X-BRACING NEAR CENTERLINE TO BE INSTALLED PRIOR TO RELEASE FROM HOISTING LINES
SEE STRUCTURAL NOTES TYPICAL 3B22 DECK
2 HSS6x6x¼ BELOW T.O.S. = 141'-0" @ 451'-0" (VERIFY)
REF. ARCH'L. FOR P/E ALUMINUM CANOPY. SUBMIT COMPLETE SEALED SHOP DRAWINGS INCLUDING CONNECTION TO STRUCTURAL / WALL
W21x44
W24x84 (BENT)
W24x62
W18x35
W16x26
W12x19
W12x14
W16x31
W18x40
W12x26
W8x28
W14x22
W16x36
W16x31 BENT
W12x44
W14x82
W14x68
W14x61
W12x50
W12x65
W12x72
W18x76
W24x76
W24x68
W24x55
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BUILDING C - ROOF LEVEL FRAMING PLAN - AREA C

SCALE : 1/8" = 1'-Ø"

ROOF PLAN NOTES:

1. METAL ROOF DECKING: 1½", 22GA, TYPE B UNLESS NOTED OTHERWISE. SEE STRUCTURAL NOTES.
2. T.O.S. DENOTES TOP OF JOIST OR BOTTOM OF METAL DECK BEARING ELEVATION RELATIVE TO FINISH FIRST FLOOR DELOU
3. PROVIDE UPLIFT BRIDGING AS REQUIRED BY JOIST DESIGN. SEE STRUCTURAL NOTES.
4. ALL JOISTS WITH SPANS OF 40 FEET OR GREATER SHALL HAVE ONE ROW OF BOLTED X-BRIDGING LOCATED NEAR THE MIDSPAN. BOLTED X-BRIDGING SHALL BE INSTALLED PRIOR TO RELEASING CRANE HOIST LINES.
5. ▲ DENOTES FULL CAPACITY MOMENT CONN. SEE TYPICAL DETAILS.
6. # DENOTES BOTTOM FLANGE BRACE SEE TYPICAL DETAILS.

Laredo Community College
Second Campus

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West End Washington St.
Laredo, Texas 78040

Jacobs Facilities, Inc. — Project Manager
Laredo Community College
Second Campus Project Management
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700 Milam Street
Suite 400
Houston, Texas 77002
Telephone 713.228.8050
Facsimile 713.228.9343

PBK — Associate Architect
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San Antonio, Texas 78209
(210) 829.0123/ (210) 829.0578 Fax

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OTM Engineering
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San Antonio, Texas 78217
(210) 832.0719/ (210) 828.6969 Fax

Structural Engineer
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San Antonio, TX 78205
(210) 227.3647/ (210) 227.1039 Fax

Food Service Consultant
Frank Clements Associates, Inc.
10850 Richmond Ave.
Suite 330
Houston, TX 77042
(713) 784.3212/ (713) 784.2933 Fax

Civil Engineer
Mejia Engineering Co.
1202 Houston St. Suite 200
Laredo, Texas 78040
(956) 725-5057/ (956) 725-7070 Fax

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HMA COnsulting, Inc.
2727 Osborn Lane
Bryan, Texas 77803
(979) 774-1368/ (979)774-0197 Fax

Landscape Design
SLA Studio Land
10665 Richmond Ave. Suite 100
Houston, Texas 77042
(713) 787.0719/ (713) 787.5190 Fax

Issue	Date & Issue Description	By	Check
01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION

KEY MAP

Seal/Signature

STATE OF TEXAS · MICHAEL C. JOHNSON · 81984 · LICENSED · PROFESSIONAL ENGINEER

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
ROOF LEVEL FRAMING PLAN
AREA C

Scale

True North

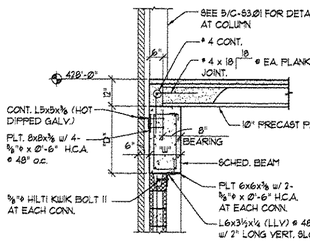
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Ref. North

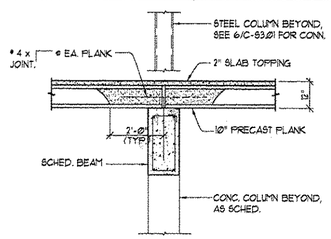
©2001 Gensler

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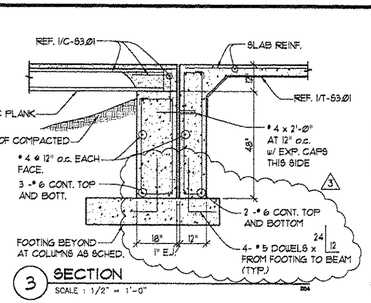
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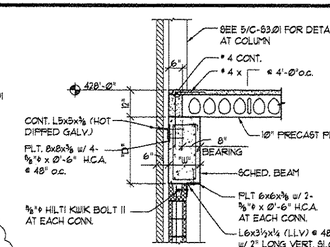
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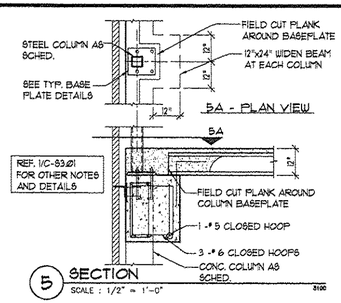
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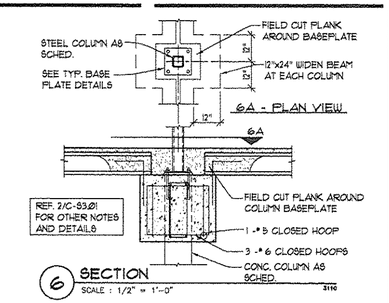
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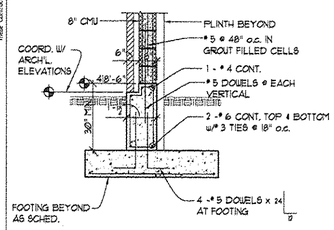
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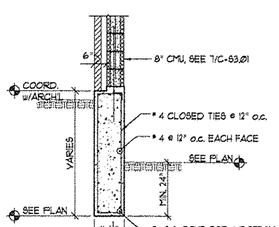
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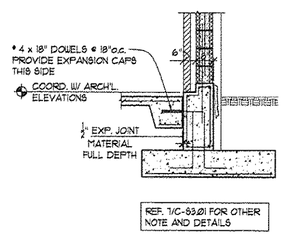
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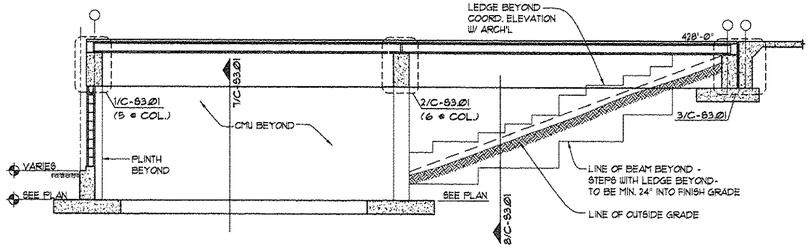
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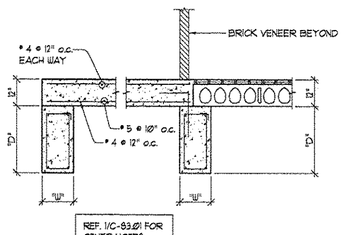
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9 SECTION
SCALE : 1/2" = 1'-0" 631



10 SECTION
SCALE : 1/4" = 1'-0" 309



11 SECTION
SCALE : 1/2" = 1'-0" 307

12 SECTION
SCALE : 1/2" = 1'-0" 300

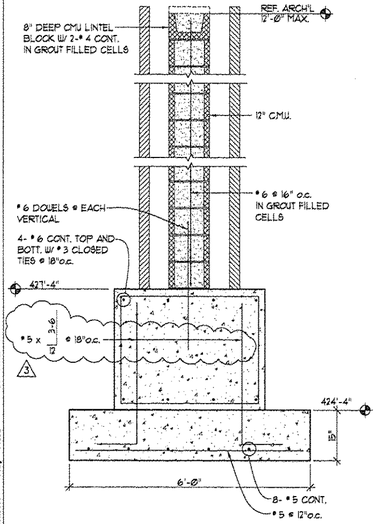
13 TYP. FOOTING / PLINTH DETAIL
SCALE : 1/2" = 1'-0" 3130

14 SECTION
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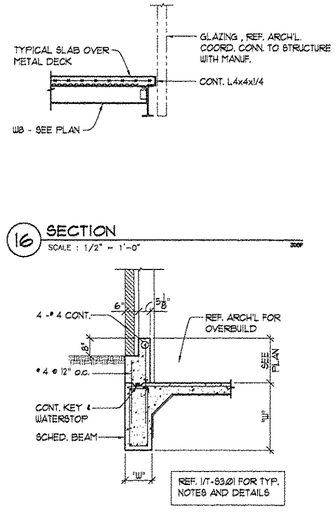
NOTE: AT SIM OMIT MASONRY BOTH SIDES, WALL IS 16" THICK

18 18A RETAINING WALL SECTION
SCALE : 1/2" = 1'-0" 118

15 SECTION
SCALE : 1/2" = 1'-0" 3002

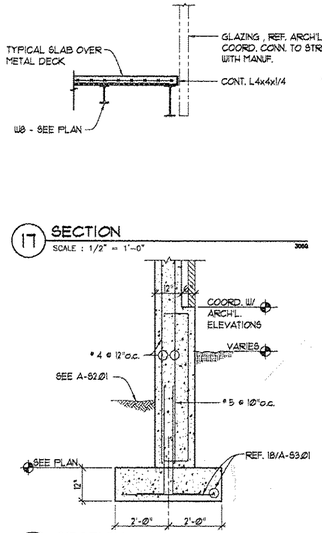


19 SECTION
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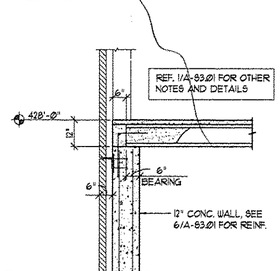
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20 SECTION
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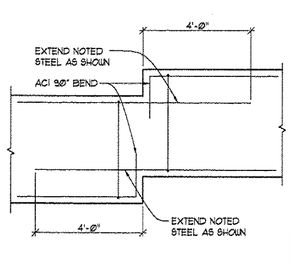


17 SECTION
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21 SECTION
SCALE : 1/2" = 1'-0" 920



22 SECTION
SCALE : 1/2" = 1'-0" 721

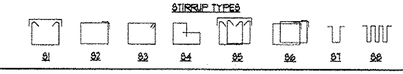


23 TYPICAL DETAIL
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BAR BENDING DETAILS

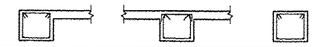
TYPE	CLEAR SPAN	BEAM COLUMN WALL	CLEAR SPAN	BEAM COLUMN WALL	CLEAR SPAN
A TOP BAR SINGLE SPAN	NOTE 1 TYP ALL HOOKS 3" CLR.		4" CLR MIN TO BOTT. OF BEAM 3d/4		
B TOP END BAR					
C TOP END END SPAN					NOTE 2
D TOP BAR OVER SUPPORT		NOTE 2			NOTE 2
E TOP BAR INTERIOR SPAN	NOTE 2				NOTE 2
F TOP BAR CONT. END SPAN			CL. SPAN CLASS A SPLICE		EXTEND 6'-0" INTO UNSCHEDULED BEAM
G TOP BAR CANT.	CANT.				
H TOP BAR CONT. INTERIOR SPAN			CL. SPAN CLASS A SPLICE		CL. SPAN CLASS A SPLICE
J TOP BAR CONT. INTERIOR SPAN	CL. SPAN CLASS A SPLICE		SCHED. FOR SPAN L.A.		CL. SPAN CLASS A SPLICE
K LONG BOTTOM BAR	HOOK AT END SPAN				6" MIN.
L BOTTOM BAR CONT.	HOOK AT END SPAN ONLY		CL. SUPPORT CLASS A SPLICE	CLASS A SPLICE	HOOK AT END SPAN ONLY
M BOTTOM BAR SINGLE SPAN					
N SIDE BAR CONT	EXTEND AND HOOK AT END	SPAN	CL. SPAN CLASS A SPLICE		CL. SPAN CLASS A SPLICE
P SIDE BAR AND HAUNCH			HOOK AT END SPAN ONLY	EQUAL TO HAUNCH LENGTH	EQUAL TO HAUNCH LENGTH HOOK AT END SPAN ONLY

STIRRUP TYPES



BAR BENDING AND BEAM SCHEDULE NOTES

1. PROVIDE STANDARD ACI 90° HOOK OR 180° HOOK AS REQUIRED.
2. PROVIDE 0.3D L_A OR 0.3D L_B, WHICHEVER IS GREATER.
3. SPACE STIRRUPS FROM FACE OF SUPPORT WITH FIRST STIRRUP AT 1/2 SCHEDULED SPACING.
4. PROVIDE TWO # 4 BARS CONTINUOUS IN TOP OF BEAM WHERE THERE ARE NO SCHEDULED BARS TO SUPPORT STIRRUPS.
5. CLEAR SPAN L_A SHALL BE MEASURED AT CENTERLINE OF BEAM.
6. ONE-PIECE ☐ CLOSED STIRRUPS MAY BE SUBSTITUTED WITH TWO-PIECE CLOSED STIRRUPS IN ACCORDANCE WITH THE FOLLOWING DETAILS.
7. AT CANTILEVER BEAM, EXTEND ALL BARS TO END OF BEAM.



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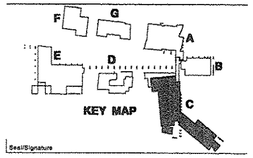
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△	Issue	Date & Issue Description	By	Check
--	01	10.11.01 SCHEMATIC DESIGN & PRICING		
	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
SECTIONS AND DETAILS

Scale

True North
Ref. North

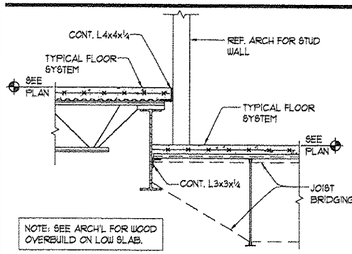
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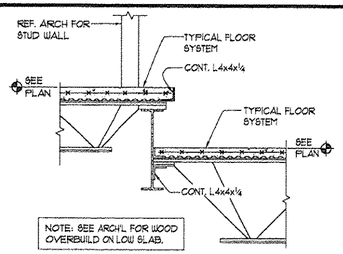
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JOB# 2003
FILE 01852S301

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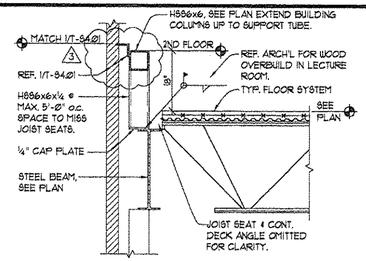
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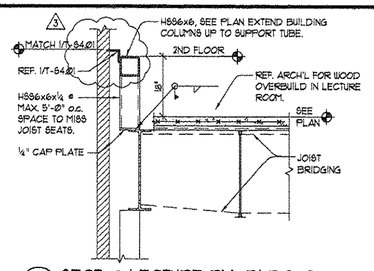
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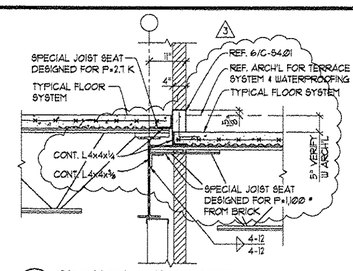
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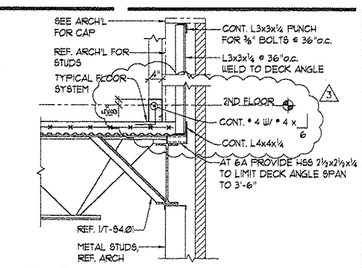
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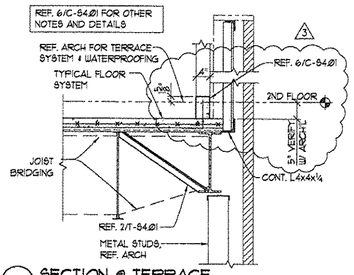
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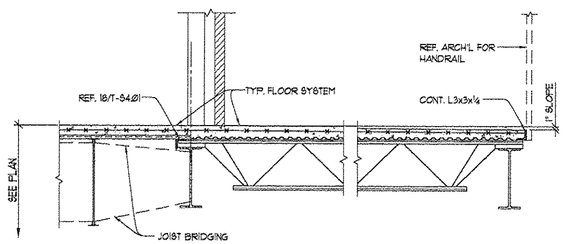
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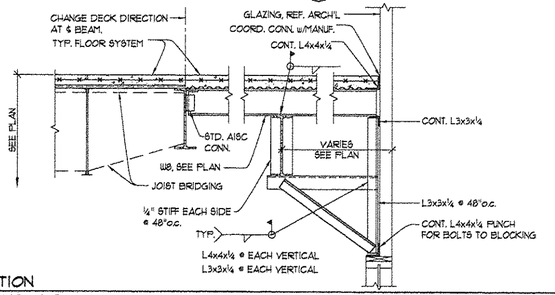
6 6A SECTION @ TERRACE
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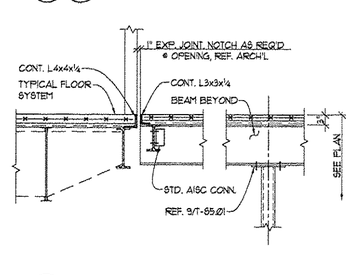
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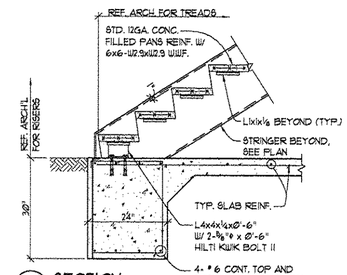
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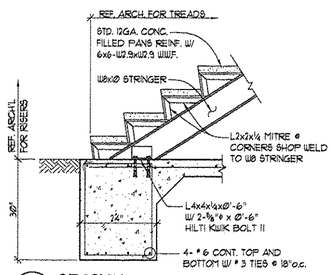
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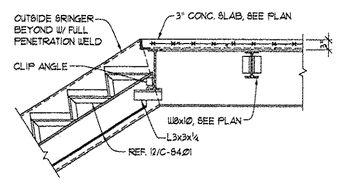
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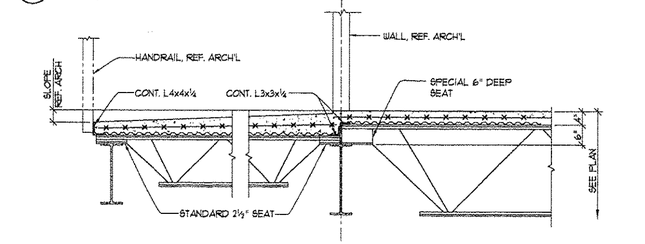
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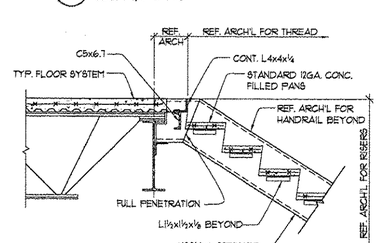
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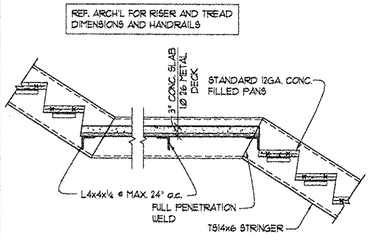
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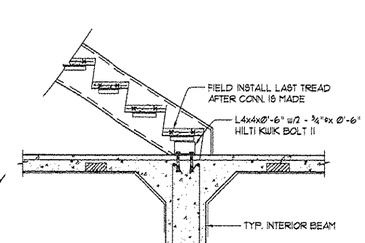
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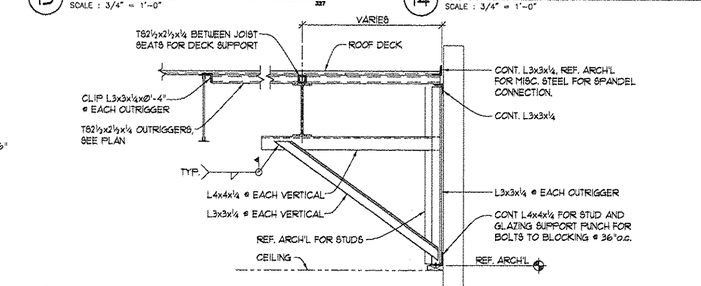
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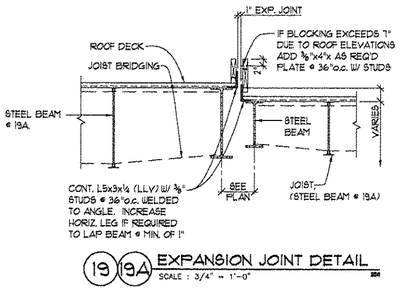
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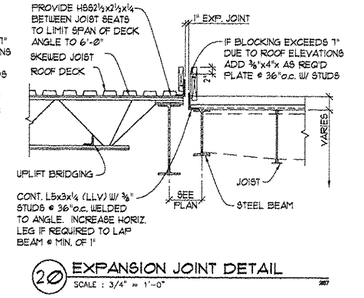
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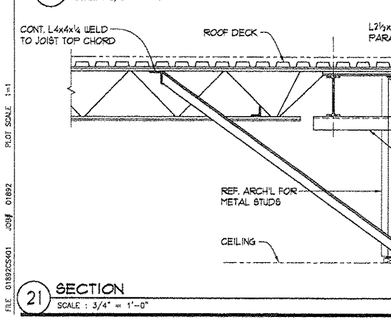
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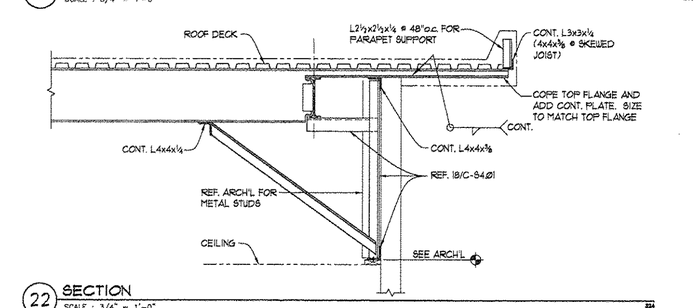
19 19A EXPANSION JOINT DETAIL
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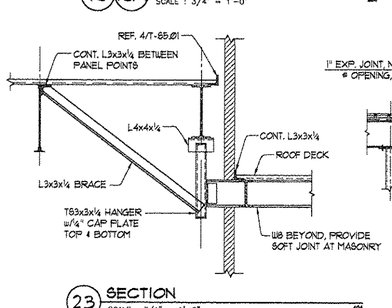
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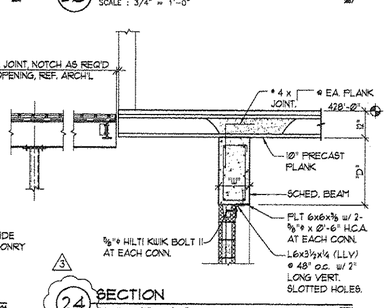
21 SECTION
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22 SECTION
SCALE : 3/4" = 1'-0" 934



23 SECTION
SCALE : 3/4" = 1'-0" 604



24 SECTION
SCALE : 1/2" = 1'-0" 3004

PLOT SCALE 1=1
JOB# 01892
FILE 01892CS001

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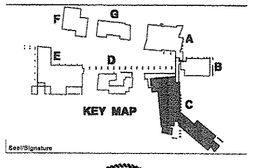
Civil Engineer
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△	Issue	Date & Issue Description	By	Check
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		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature

STATE OF TEXAS
MICHAEL C. JOHNSON
81654
LICENSED
PROFESSIONAL ENGINEER

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
SECTIONS AND DETAILS

Scale

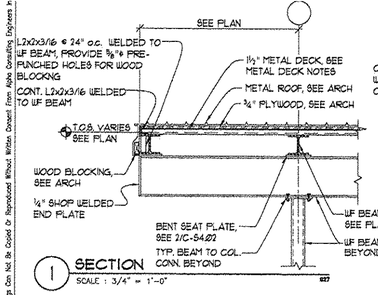
True North

C-S4.01

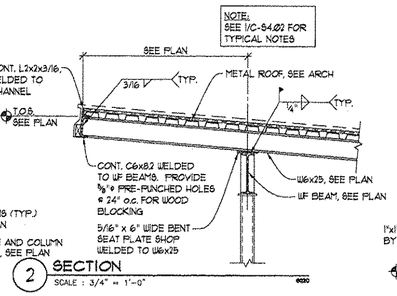
Ref. North

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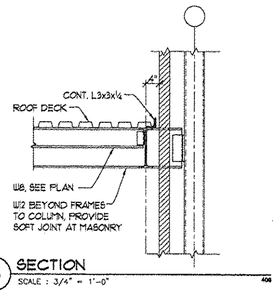
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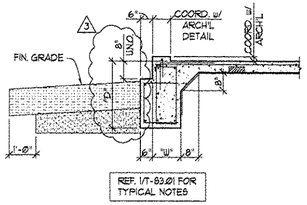
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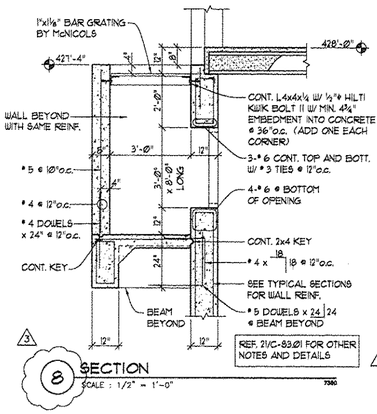
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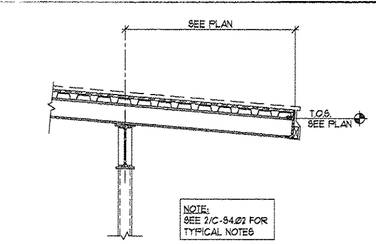
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SCALE : 3/4" = 1'-0" 408



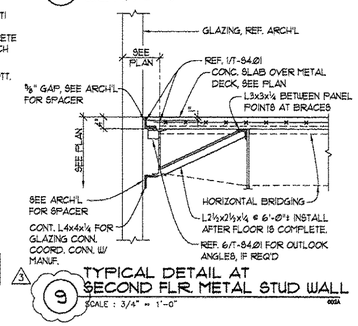
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SCALE : 1/2" = 1'-0" 407



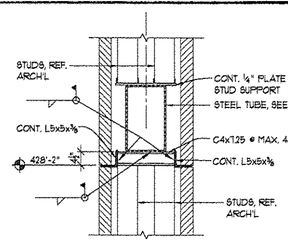
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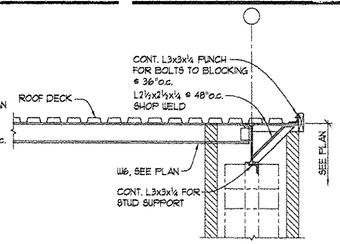
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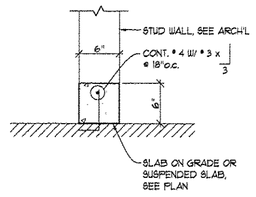
3 TYPICAL DETAIL AT SECOND FLR. METAL STUD WALL
SCALE : 3/4" = 1'-0" 605A



4 SECTION
SCALE : 3/4" = 1'-0" 605



5 SECTION
SCALE : 3/4" = 1'-0" 3720



3 TYP. CONCRETE CURB @ MECHANICAL ROOM
SCALE : 1 1/2" = 1'-0" 415

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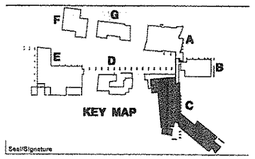
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Issue	Date & Issue Description	By	Check
01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



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STATE OF TEXAS
MICHAEL G. JOHNSON
51954
LICENSED
PROFESSIONAL ARCHITECT

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
SECTIONS AND DETAILS

Scale

True No

C-S4.02

Ref. N

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FILE 01492CS402 JOB# 01992 PLOT SCALE 1=1



1 M2.01A FIRST LEVEL MECHANICAL PLAN - AREA 'A'
1/8" = 1'-0"

C-M2.01A MECHANICAL GENERAL NOTES:

A. ALL DUCT TRANSITIONS REQUIRED ARE NOT INDICATED ON THIS PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE COORDINATION DRAWINGS INDICATING THE TRANSITIONS AND DUCTWORK ELEVATIONS REQUIRED TO ALLOW THE MECHANICAL SYSTEMS TO BE INSTALLED IN THE INTENDED CONFIGURATION.

B. COORDINATE DUCTWORK AND PIPE ROUTING WITH ELECTRICAL CONDUIT, PLUMBING, BUILDING STRUCTURE, PARTITION FRAMING AND OTHER BUILDING SYSTEMS AS REQUIRED.

C. DUCT DIMENSIONS INDICATED ON PLAN ARE CLEAR INSIDE AIRSTREAM DIMENSIONS.

D. CONTRACTOR SHALL VERIFY CONFIGURATION OF ROOF STRUCTURE AND AVAILABLE CLEARANCE FOR MECHANICAL SYSTEMS PRIOR TO COMMENCEMENT OF WORK.

E. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.

F. THESE DRAWINGS ARE SCHEMATIC IN NATURE. SOME MECHANICAL EQUIPMENT AND DUCTS MAY NOT BE DRAWN TO SCALE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING COORDINATION DRAWINGS AND PERFORMING FIELD MEASUREMENTS TO DETERMINE THE NECESSARY CONFIGURATION OF THE MECHANICAL SYSTEMS.

C-M2.01A MECHANICAL KEYED NOTES:

1. PROVIDE SPIN-IN FITTING WITH LOCKING QUADRANT VOLUME DAMPER AT ROUND DUCT CONNECTION WITH SUPPLY MAIN TRUNK. TYPICAL OF ALL RUN-OUTS SERVING SUPPLY DIFFUSERS. RE:#/C-M4.01.
2. PROVIDE FAN POWERED TERMINAL UNIT AS INDICATED ON SCHEDULE. SUSPEND UNIT FROM STRUCTURE ABOVE. LOCATE UNIT IN A MANNER WHICH ALLOWS ACCESS TO CONTROL PANEL AS RECOMMENDED BY MANUFACTURER. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT SUPPLY DUCT DOWNSTREAM. AVOID LOCATION OF UNIT OVER LIGHT FIXTURES. RE:#7/C-M4.01.
3. PROVIDE CONICAL SPIN-IN WITH NO VOLUME DAMPER AT SUPPLY MAIN DUCT. EXTEND ROUND DUCT AS SHOWN AND CONNECT TO PRIMARY AIR INLET OF FAN POWERED TERMINAL.
4. MOUNT TEMPERATURE SENSOR ON WALL AT SAME ELEVATION AS LIGHT SWITCHES. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. TYPICAL.
5. PROVIDE 6"x6" EXHAUST GRILLE AS INDICATED ON SCHEDULE. TRANSITION FROM NECK SIZE OF GRILLE TO 6" ROUND DUCT AS REQUIRED. ROUTE 6"ø EXHAUST DUCT TO CONNECT TO 18"x14" EXHAUST MAIN DUCT.
6. ROUTE EXHAUST DUCT UP THROUGH MECHANICAL CHASE. REFER TO ARCHITECTURAL DRAWINGS.
7. ROUTE EXHAUST DUCT OVER SUPPLY MAIN DUCT. ROUTE EXHAUST DUCT BETWEEN STRUCTURAL MEMBERS, AS REQUIRED.
8. CONNECT SUPPLY AIR PLENUM TO NECK OF LINEAR SLOT DIFFUSER AS SHOWN. SEAL EDGES OF PLENUM TO PREVENT AIR FLOW LEAKING INTO CEILING CAVITY. TYPICAL RE:#4/C-M4.01.
9. PROVIDE 1/4" MESH HARDWARE CLOTH AT OPEN END OF RETURN DUCT. ROUTE RETURN DUCT ABOVE CEILING AS SHOWN.
10. PROVIDE RETROFIT TERMINAL UNIT AS INDICATED ON SCHEDULE. INSTALL UNIT IN SUPPLY DUCT AS RECOMMENDED BY MANUFACTURER. COORDINATE WITH CONTROLS CONTRACTOR FOR SEQUENCE OF OPERATION.
11. PROVIDE ELECTRIC DUCT HEATER AS INDICATED ON SCHEDULE. INSTALL UNIT IN A MANNER WHICH ALLOWS ACCESS TO CONTROL PANEL AS RECOMMENDED BY MANUFACTURER. COORDINATE WITH CONTROLS CONTRACTOR FOR SEQUENCE OF OPERATION. RE:18/C-M4.01.
12. PROVIDE CEILING MOUNTED EXHAUST FAN AS INDICATED ON SCHEDULE. SUSPEN FAN FROM STRUCTURE ABOVE. ROUTE 6" SHEET METAL ROUND DUCT ABOVE THE CEILING AS SHOWN. RE:#8/C-M4.01.
13. PROVIDE BLOWER COIL UNIT AS INDICATED ON SCHEDULE. SUSPEND UNIT FROM STRUCTURE ABOVE AT APPROXIMATELY THIS LOCATION. ROUTE SUPPLY AIR DUCT TO SERVE IOF ROOM AS SHOWN. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT BLOWER COIL OUTLET. PROVIDE SECONDARY DRAIN PAN BELOW UNIT. PAN SHALL BE 3" LARGER WHEN THAN UNIT ON EACH SIDE. PROVIDE LEAK SWITCH TO CLOSED OUT VAV IF OVERFLOW OCCURS. RE:#17/C-M4.01.
14. PROVIDE RECTANGULAR TAP AT SUPPLY DUCT. TERMINATE IN WALL WITH SIDEWALL SUPPLY DIFFUSER AS SCHEDULED. LOCATE SIDEWALL SUPPLY DIFFUSER BETWEEN WINDOWS. REFER TO SHEET C-A11.10. COORDINATE EXACT LOCATION WITH ARCHITECT. PRIOR TO INSTALLATION. TYPICAL.
15. PROVIDE OPENING IN WALL ABOVE THE CEILING FOR RETURN AIR PATH. PROVIDE SIZE AS NOTED ON PLAN OR EQUIVALENT AREA. OPENING SHALL BE DONE AS HIGH AS POSSIBLE AND IN A LOCATION WHICH ALLOWS UNOBSTRUCTED RETURN AIRFLOW. TYPICAL
16. CONNECT 1" CHILLED WATER PIPING TO 4" MAINS. ROUTE 1" PIPING ABOVE THE CEILING TO BLOWER COIL UNIT SERVING IDF ROOM. RE:#2/C-M4.01.
17. ROUTE 3/4" CONDENSATE DRAIN LINE FROM CONDENSATE DRAIN CONNECTION AT BLOWER COIL UNIT TO APPROXIMATE THIS LOCATION. ROUTE PIPING DOWN AND CONNECT TO TAILPIECE OF LAVATORY. RE:#5/C-M4.01.
18. ROUTE 8" EXHAUST DUCT BETWEEN BARJOIST AS REQUIRED IN ORDER TO ALLOW INSTALLATION OF SUPPLY DUCT. REFER TO #1/C-M3.01 FOR CONTINUATION.
19. PROVIDE MAKE UP AIR GRILLE AS SCHEDULED. CONNECT 16"ø SHEET METAL DUCT TO NECK OF GRILLE. EXTEND DUCT THROUGH WALL AS SHOWN.

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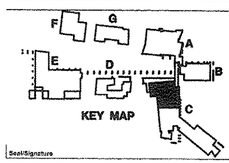
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Issue		Date & Issue Description	By	Check
--	01	10.11.01		
		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		
2	06	05.06.02		
		ADDENDUM No. 2		
3	07	05.10.02		
		ADDENDUM No. 3		

ISSUE FOR
JUN 18 2002
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Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

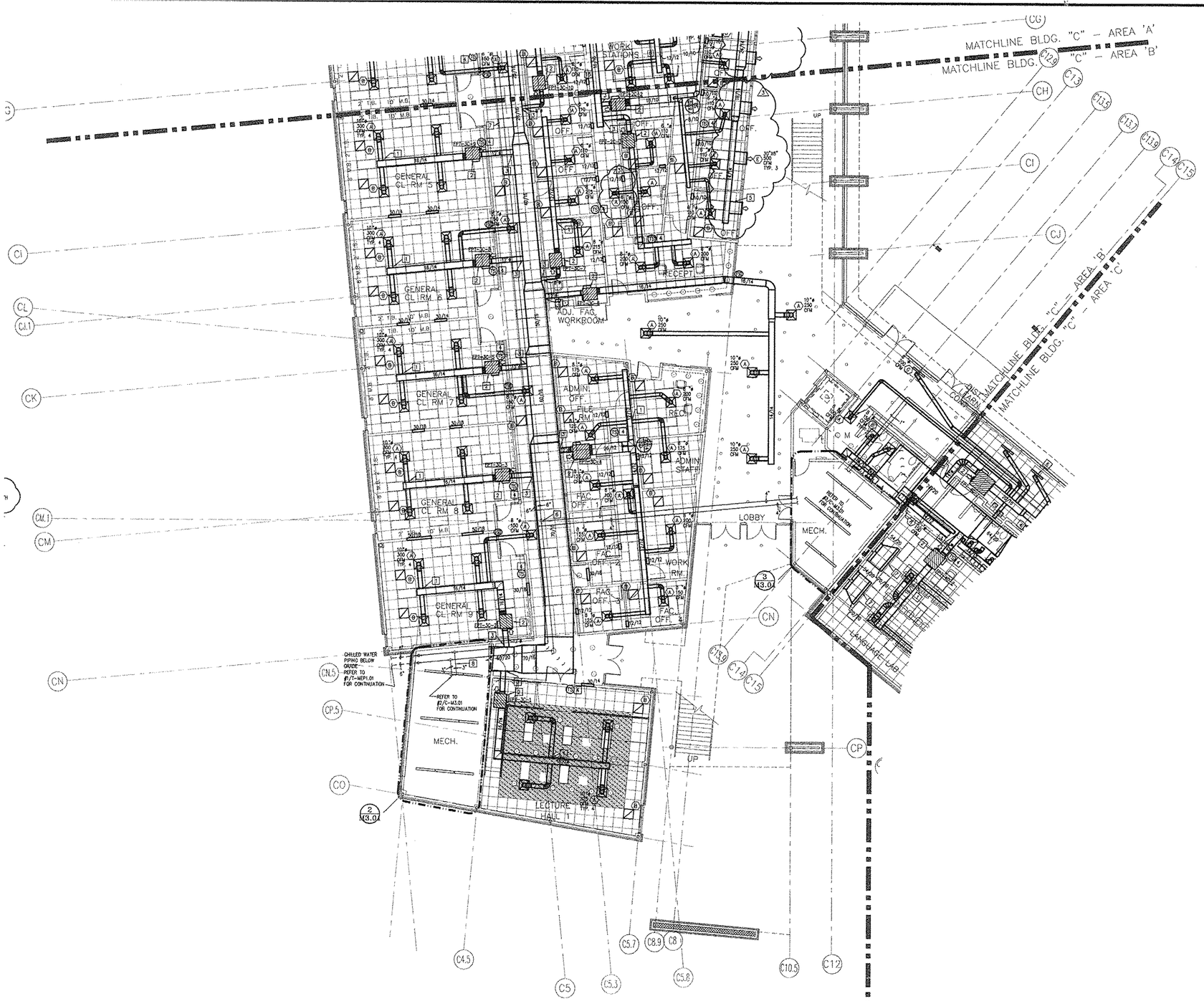
Description
BUILDING C
FIRST LEVEL MECHANICAL PLAN – AREA A

Scale
1/8" = 1'-0"

True North
Ref. North

C-M2.01A

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1 M2.01B **FIRST LEVEL MECHANICAL PLAN - AREA 'B'**
1/8" = 1'-0"

C-M2.01B MECHANICAL GENERAL NOTES:

A. ALL DUCT TRANSITIONS REQUIRED ARE NOT INDICATED ON THIS PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE COORDINATION DRAWINGS INDICATING THE TRANSITIONS AND DUCTWORK ELEVATIONS REQUIRED TO ALLOW THE MECHANICAL SYSTEMS TO BE INSTALLED IN THE INTENDED CONFIGURATION.

B. COORDINATE DUCTWORK AND PIPE ROUTING WITH ELECTRICAL CONDUIT, PLUMBING, BUILDING STRUCTURE, PARTITION FRAMING AND OTHER BUILDING SYSTEMS AS REQUIRED.

C. DUCT DIMENSIONS INDICATED ON PLAN ARE CLEAR INSIDE AIRSTREAM DIMENSIONS.

D. CONTRACTOR SHALL VERIFY CONFIGURATION OF ROOF STRUCTURE AND AVAILABLE CLEARANCE FOR MECHANICAL SYSTEMS PRIOR TO COMMENCEMENT OF WORK.

E. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.

F. THESE DRAWINGS ARE SCHEMATIC IN NATURE. SOME MECHANICAL EQUIPMENT AND DUCTS MAY NOT BE DRAWN TO SCALE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING COORDINATION DRAWINGS AND PERFORMING FIELD MEASUREMENTS TO DETERMINE THE NECESSARY CONFIGURATION OF THE MECHANICAL SYSTEMS.

C-M2.01B MECHANICAL KEYED NOTES:

1 PROVIDE SPIN-IN FITTING WITH LOCKING QUADRANT VOLUME DAMPER AT ROUND DUCT CONNECTION WITH SUPPLY MAIN TRUNK. TYPICAL OF ALL RUN-OUTS SERVING SUPPLY DIFFUSERS. RE: #1/C-M4.01.

2 PROVIDE FAN POWERED TERMINAL UNIT AS INDICATED ON SCHEDULE. SUSPEND UNIT FROM STRUCTURE ABOVE. LOCATE UNIT IN A MANNER WHICH ALLOWS ACCESS TO CONTROL PANEL AS RECOMMENDED BY MANUFACTURER. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT SUPPLY DUCT DOWNSTREAM. AVOID LOCATION OF UNIT OVER LIGHT FIXTURES. RE: #1/C-M4.01.

3 PROVIDE CONICAL SPIN-IN WITH NO VOLUME DAMPER AT SUPPLY MAIN DUCT. EXTEND ROUND DUCT AS SHOWN AND CONNECT TO PRIMARY AIR INLET OF FAN POWERED TERMINAL.

4 MOUNT TEMPERATURE SENSOR ON WALL AT SAME ELEVATION AS LIGHT SWITCHES. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. TYPICAL.

5 PROVIDE RECTANGULAR TAP AT SUPPLY DUCT. TERMINATE IN WALL WITH SIDEWALL SUPPLY DIFFUSER AS SCHEDULED. LOCATE SIDEWALL SUPPLY DIFFUSER BETWEEN WINDOWS. REFER TO SHEET C-A11.10. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. TYPICAL.

6 CONNECT 4" CHILLED WATER PIPING TO 6" MAINS. ROUTE 4" CHILLED WATER PIPING TO MECHANICAL ROOM AS SHOWN. RE: #3/C-M3.01 FOR CONTINUATION.

7 ROUTE CHILLED WATER PIPING ABOVE CORRIDOR CEILING. REFER TO #1/C-M2.01A FOR CONTINUATION

8 CONNECT 3" CHILLED WATER PIPING TO 6" MAINS. ROUTE 3" CHILLED WATER PIPING TO MECHANICAL ROOM AS SHOWN. RE: #2/C-M3.01 FOR CONTINUATION.

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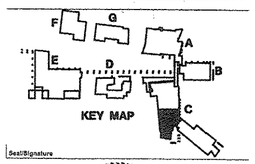
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		Issue	Date & Issue Description	By	Check
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			SCHEMATIC DESIGN & PRICING		
	02		12.06.01		
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	03		02.15.02		
			50% C.D. REVIEW		
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			90% C.D. REVIEW		
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2	06		05.06.02		
			ADDENDUM No. 2		
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			ADDENDUM No. 3		

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JUN 18 2002
CONSTRUCTION



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Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
FIRST LEVEL MECHANICAL PLAN - AREA C

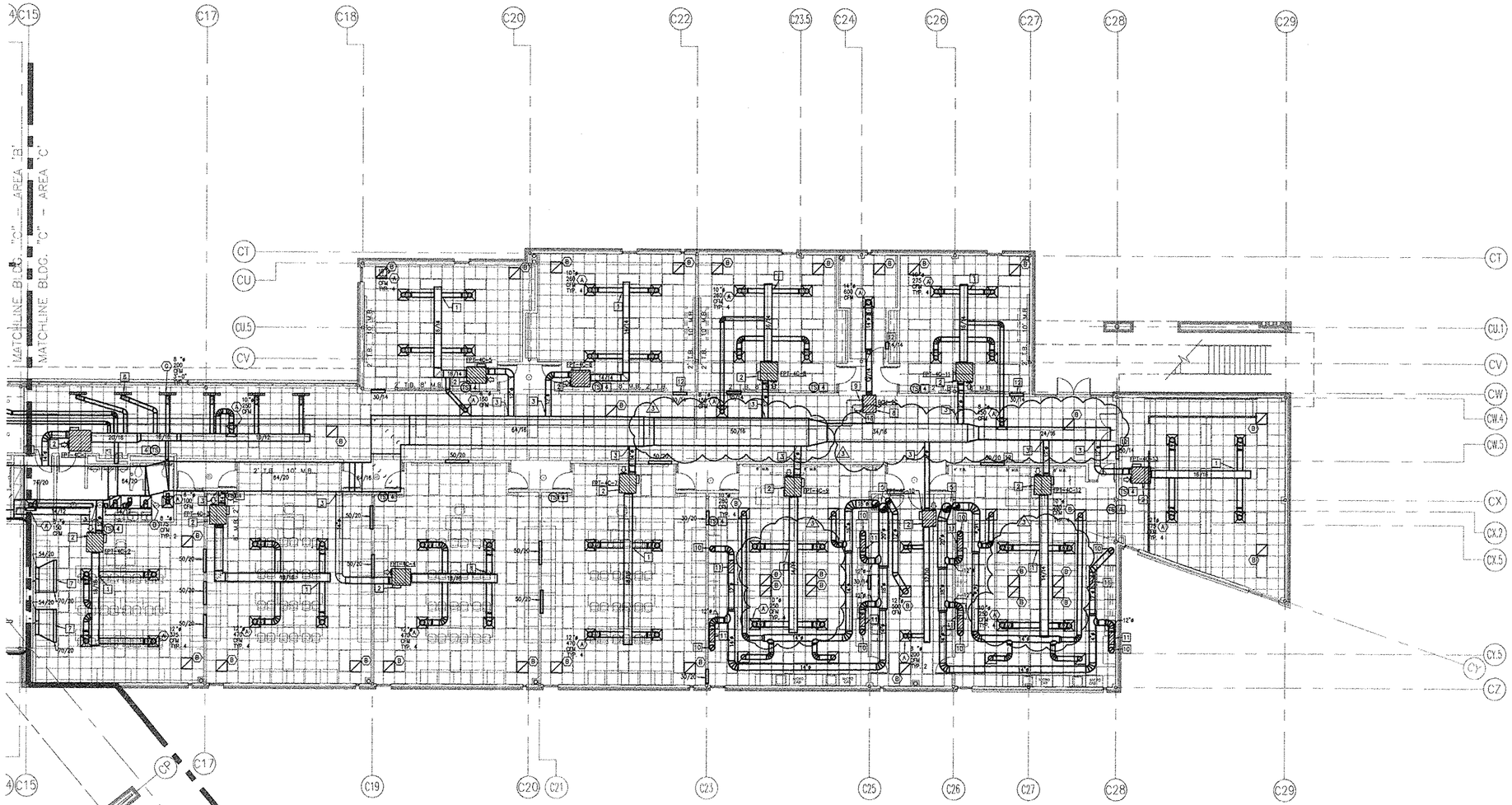
Scale
1/8" = 1'-0"

True North

Ref. North

C-M2.01B

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1 M2.01C FIRST LEVEL MECHANICAL PLAN - AREA 'C'

1/8" = 1'-0"

C-M2.01C MECHANICAL GENERAL NOTES:

A. ALL DUCT TRANSITIONS REQUIRED ARE NOT INDICATED ON THIS PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE COORDINATION DRAWINGS INDICATING THE TRANSITIONS AND DUCTWORK ELEVATIONS REQUIRED TO ALLOW THE MECHANICAL SYSTEMS TO BE INSTALLED IN THE INTENDED CONFIGURATION.

B. COORDINATE DUCTWORK AND PIPE ROUTING WITH ELECTRICAL CONDUIT, PLUMBING, BUILDING STRUCTURE, PARTITION FRAMING AND OTHER BUILDING SYSTEMS AS REQUIRED.

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E. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.

F. THESE DRAWINGS ARE SCHEMATIC IN NATURE. SOME MECHANICAL EQUIPMENT AND DUCTS MAY NOT BE DRAWN TO SCALE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING COORDINATION DRAWINGS AND PERFORMING FIELD MEASUREMENTS TO DETERMINE THE NECESSARY CONFIGURATION OF THE MECHANICAL SYSTEMS.

G. MECHANICAL CONTRACTOR SHALL VENTILATE ALL FLAMMABLE/ACID STORAGE CABINETS IN SCIENCE LABS. THE CONTRACTOR SHALL COORDINATE AND DETERMINE THE MINIMUM PIPE SIZE FOR VENTING CABINETS. INSTALLATION OF VENTING SHALL COMPLY WITH THE INTERNATIONAL MECHANICAL CODE 2000.

C-M2.01C MECHANICAL KEYED NOTES:

1. PROVIDE SPIN-IN FITTING WITH LOCKING QUADRANT VOLUME DAMPER AT ROUND DUCT CONNECTION WITH SUPPLY MAIN TRUNK. TYPICAL OF ALL RUN-OUTS SERVING SUPPLY DIFFUSERS. RE:#1/C-M4.01.
2. PROVIDE FAN POWERED TERMINAL UNIT AS INDICATED ON SCHEDULE. SUSPEND UNIT FROM STRUCTURE ABOVE. LOCATE UNIT IN A MANNER WHICH ALLOWS ACCESS TO CONTROL PANEL AS RECOMMENDED BY MANUFACTURER. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT SUPPLY DUCT DOWNSTREAM. POSITION UNIT BETWEEN STRUCTURAL MEMBERS AS REQUIRED. RE:#1/C-M4.01.
3. PROVIDE CONICAL SPIN-IN WITH NO VOLUME DAMPER AT SUPPLY MAIN DUCT. EXTEND ROUND DUCT AS SHOWN AND CONNECT TO PRIMARY AIR INLET OF FAN POWERED TERMINAL.
4. MOUNT TEMPERATURE SENSOR ON WALL AT SAME ELEVATION AS LIGHT SWITCHES. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. TYPICAL
5. ROUTE EXHAUST DUCTS UP THROUGH MECHANICAL CHASE. REFER TO #1/C-M2.02C FOR CONTINUATION.
6. CONNECT SUPPLY AIR PLENUM TO NECK OF LINEAR SLOT DIFFUSER AS SHOWN. SEAL EDGES OF PLENUM TO PREVENT AIR FLOW LEAKING INTO CEILING CAVITY. TYPICAL RE:#4/C-M4.01.
7. PROVIDE 1/4" MESH HARDWARE CLOTH AT OPEN END OF RETURN DUCT. ROUTE RETURN DUCT TO MECHANICAL ROOM AS SHOWN. RE:#3/C-M3.01.
8. PROVIDE BLOWER COIL UNIT AS INDICATED ON SCHEDULE. SUSPEND UNIT FROM STRUCTURE ABOVE AT APPROXIMATELY THIS LOCATION. ROUTE SUPPLY AIR DUCT TO SERVE IDF ROOM AS SHOWN. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT BLOWER COIL OUTLET. PROVIDE SECONDARY DRAIN PAN BELOW UNIT. PAN SHALL BE 3"LARGER LARGER THAN UNIT ON EACH SIDE. PROVIDE FLOAT SWITCH TO LOCKED OUT UNIT IF OVERFLOW OCCURS. RE:#17/C-M4.01.
9. CONNECT 1" CHILLED WATER PIPING TO COOLING COIL CONNECTION AT BLOWER COIL UNIT SERVING IDF ROOM. RE:#12/C-M4.01.
10. CONNECT 12" SHEET METAL ROUND DUCT TO DUCT COLLAR OF FUME HOOD. TRANSITION TO CONNECT COLLAR OF HOOD AS REQUIRED. TYPICAL OF 8
11. PROVIDE VENTURI AIR VALVE AT 12" EXHAUST DUCT PRIOR TO CONNECT COLLAR OF HOOD. REFER TO SPECIFICATIONS
12. PROVIDE OPENING IN WALL ABOVE THE CEILING FOR RETURN AIR PATH. PROVIDE SIZE AS NOTED ON PLAN OR EQUIVALENT AREA. OPENING SHALL BE DONE AS HIGH AS POSSIBLE AND IN A LOCATION WHICH ALLOWS UNOBSTRUCTED RETURN AIRFLOW. TYPICAL
13. ROUTE 3/4" CONDENSATE DRAIN LINE FROM CONDENSATE DRAIN CONNECTION AT BLOWER COIL UNIT TO THE NEAREST DRAIN. RE:#5/C-M4.01.

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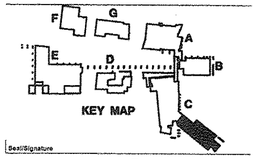
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	Issue	Date & Issue Description	By	Check
~~	01	10.11.01		
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ISSUE FOR

JUN 18 2002

CONSTRUCTION



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Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
FIRST LEVEL MECHANICAL PLAN - AREA C

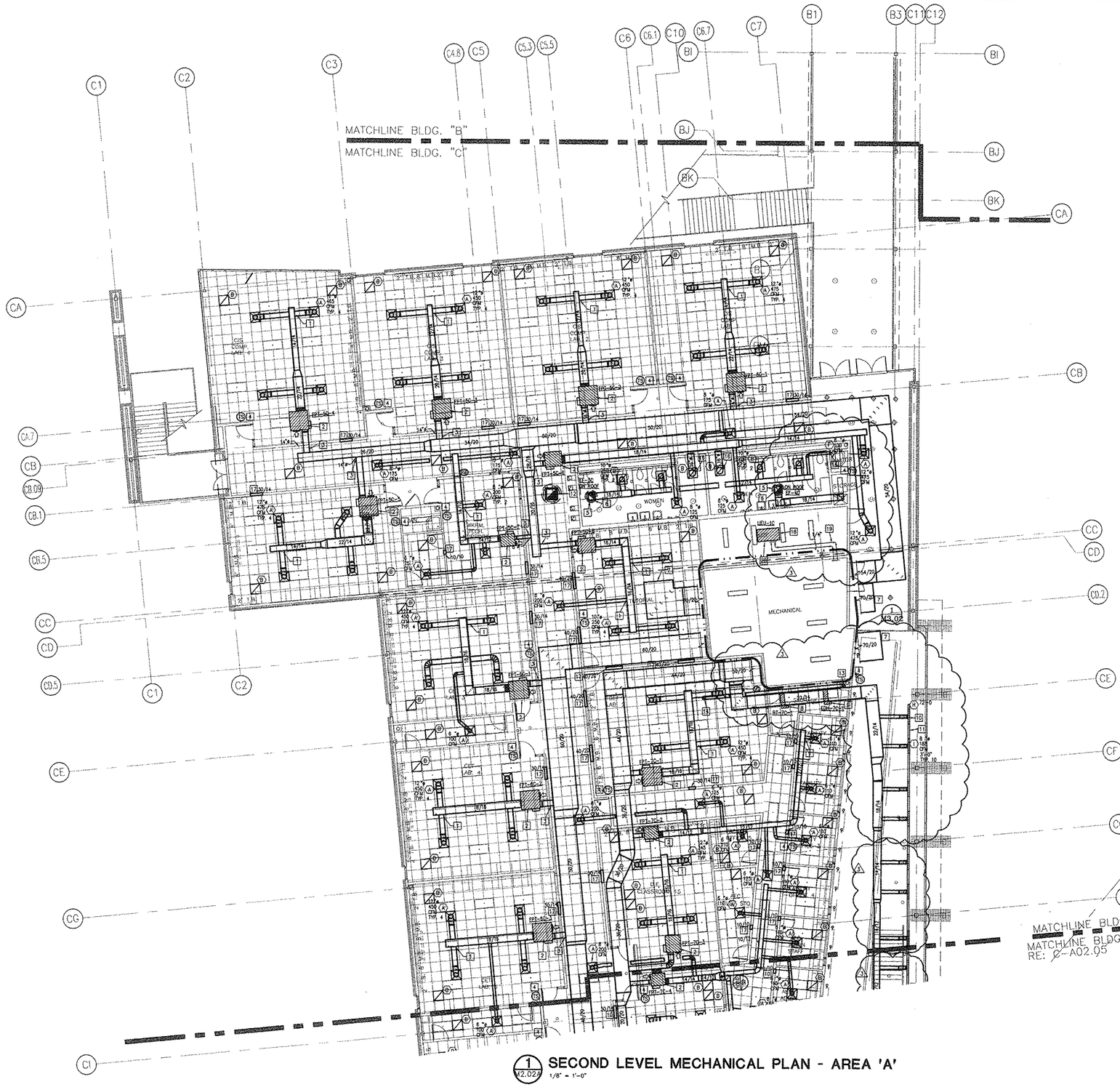
Scale
1/8" = 1'-0"

True North

Ref. North

C-M2.01C

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1 M2.02A SECOND LEVEL MECHANICAL PLAN - AREA 'A'
1/8" = 1'-0"

C-M2.02A MECHANICAL GENERAL NOTES:

A. ALL DUCT TRANSITIONS REQUIRED ARE NOT INDICATED ON THIS PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE COORDINATION DRAWINGS INDICATING THE TRANSITIONS AND DUCTWORK ELEVATIONS REQUIRED TO ALLOW THE MECHANICAL SYSTEMS TO BE INSTALLED IN THE INTENDED CONFIGURATION.

B. COORDINATE DUCTWORK AND PIPE ROUTING WITH ELECTRICAL CONDUIT, PLUMBING, BUILDING STRUCTURE, PARTITION FRAMING AND OTHER BUILDING SYSTEMS AS REQUIRED.

C. DUCT DIMENSIONS INDICATED ON PLAN ARE CLEAR INSIDE AIRSTREAM DIMENSIONS.

D. CONTRACTOR SHALL VERIFY CONFIGURATION OF ROOF STRUCTURE AND AVAILABLE CLEARANCE FOR MECHANICAL SYSTEMS PRIOR TO COMMENCEMENT OF WORK.

E. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.

F. THESE DRAWINGS ARE SCHEMATIC IN NATURE. SOME MECHANICAL EQUIPMENT AND DUCTS MAY NOT BE DRAWN TO SCALE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING COORDINATION DRAWINGS AND PERFORMING FIELD MEASUREMENTS TO DETERMINE THE NECESSARY CONFIGURATION OF THE MECHANICAL SYSTEMS.

C-M2.02A MECHANICAL KEYED NOTES:

1. PROVIDE SPIN-IN FITTING WITH LOCKING QUADRANT VOLUME DAMPER AT ROUND DUCT CONNECTION WITH SUPPLY MAIN TRUNK. TYPICAL OF ALL RUN-OUTS SERVING SUPPLY DIFFUSERS. RE:#1/C-M4.01.
2. PROVIDE FAN POWERED TERMINAL UNIT AS INDICATED ON SCHEDULE. SUSPEND UNIT FROM STRUCTURE ABOVE. LOCATE UNIT IN A MANNER WHICH ALLOWS ACCESS TO CONTROL PANEL AS RECOMMENDED BY MANUFACTURER. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT SUPPLY DUCT DOWNSTREAM. AVOID LOCATION OF UNIT OVER LIGHT FIXTURES. RE:#1/C-M4.01.
3. PROVIDE CONICAL SPIN-IN WITH NO VOLUME DAMPER AT SUPPLY MAIN DUCT. EXTEND ROUND DUCT AS SHOWN AND CONNECT TO PRIMARY AIR INLET OF FAN POWERED TERMINAL.
4. MOUNT TEMPERATURE SENSOR ON WALL AT SAME ELEVATION AS LIGHT SWITCHES. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. TYPICAL
5. PROVIDE CENTRIFUGAL DOWNBLAST ROOF MOUNTED EXHAUST FAN AS INDICATED ON SCHEDULE. MOUNT FAN ON PREFABRICATED ROOF CURB AS RECOMMENDED BY MANUFACTURER. KEEP FAN 10 FT AWAY FROM ANY INTAKE AIR OPENING. COORDINATE INSTALLATION OF FAN WITH EXHAUST DUCT FROM BELOW RE:#8/C-M4.01.
6. ROUTE 16"X14" SHEET METAL EXHAUST DUCT UP THROUGH ROOF. COORDINATE ROUTING OF EXHAUST DUCT WITH STRUCTURAL MEMBERS. TRANSITION TO CONNECT EXHAUST DUCT TO FAN INLET ON ROOF AS REQUIRED.
7. PROVIDE 1/4" MESH HARDWARE CLOTH AT OPEN END OF RETURN DUCT. ROUTE RETURN DUCT ABOVE CEILING AS SHOWN.
8. PROVIDE RETROFIT TERMINAL UNIT AS INDICATED ON SCHEDULE. INSTALL UNIT IN SUPPLY DUCT AS RECOMMENDED BY MANUFACTURER. COORDINATE WITH CONTROLS CONTRACTOR FOR SEQUENCE OF OPERATION.
9. PROVIDE ELECTRIC DUCT HEATER AS INDICATED ON SCHEDULE. INSTALL UNIT IN A MANNER WHICH ALLOWS ACCESS TO CONTROL PANEL AS RECOMMENDED BY MANUFACTURER. COORDINATE WITH CONTROLS CONTRACTOR FOR SEQUENCE OF OPERATION. RE:18/C-M4.01.
10. CONNECT SUPPLY AIR PLENUM TO NECK OF LINEAR SLOT DIFFUSER AS SHOWN. SEAL EDGES OF PLENUM TO PREVENT AIR FLOW LEAKING INTO CEILING CAVITY. TYPICAL RE:#4/C-M4.01.
11. CONNECT FLAT BLACK SHEET METAL LIGHT SHIELD TO NECK OF SLOT DIFFUSER TO PREVENT TRANSMISSION OF LIGHT FROM CEILING PLENUM THROUGH FACE OF DIFFUSER SLOT DIFFUSER SHALL REMAIN OPEN TO PLENUM FOR RETURN AIR PATH. TYPICAL
12. PROVIDE RELIEF HOOD ON ROOF SIMILAR TO MODEL PR-30 AS MANUFACTURED BY LOREN COOK. MOUNT HOOD ON PREFABRICATED CURB. HOOD SHALL HAVE A MINIMUM 5.15 SQ FT. OF THROAT AREA. CONNECT 24"X24" RELIEF AIR DUCT TO HOOD INLET. TRANSITION TO CONNECT HOOD INLET AS REQUIRED. ROUTE RELIEF DUCT DOWN THROUGH ROOF AND TERMINATE 12" BELOW ROOF DECK WITH 1/4" MESH HARDWARE CLOTH AT OPEN-END OF RELIEF DUCT. COORDINATE ROUTING OF RELIEF DUCT WITH STRUCTURAL MEMBERS. PROVIDE HOOD WITH BACKDRAFT DAMPER. TYPICAL OF 2. RE:#6/C-M4.01.
13. 8" EXHAUST ROUND DUCT FROM BELOW. ROUTE EXHAUST DUCT BETWEEN STRUCTURAL MEMBERS IN ORDER TO ALLOW INSTALLATION OF SUPPLY DUCT.
14. ROUTE 8" EXHAUST DUCT UP THROUGH ROOF. TERMINATE 24" ABOVE THE CEILING WITH VENT CAP. KEEP VENT ON ROOF TO FT AWAY FROM ANY INTAKE HOOD.
15. PROVIDE 8"X6" EXHAUST GRILLE AS INDICATED ON SCHEDULE. TRANSITION FROM NECK SIZE OF GRILLE TO 6" ROUND DUCT AS REQUIRED. ROUTE 6" Ø EXHAUST DUCT TO CONNECT TO 16"X14" EXHAUST MAIN DUCT AS SHOWN.
16. PROVIDE MAKE UP AIR GRILLE AS SCHEDULED. CONNECT 18"Ø SHEET METAL DUCT TO NECK OF GRILLE. EXTEND DUCT THROUGH WALL AS SHOWN.
17. PROVIDE OPENING IN WALL ABOVE THE CEILING FOR RETURN AIR PATH. PROVIDE SIZE AS NOTED ON PLAN OR EQUIVALENT AREA. OPENING SHALL BE SAME AS MUCH AS POSSIBLE AND IN A LOCATION WHICH ALLOWS UNOBSTRUCTED RETURN AIRFLOW. TYPICAL
18. PROVIDE MINI-MATE2 AIR CONDITIONING UNIT AS SCHEDULED. SUSPEND UNIT FROM STRUCTURE AT APPROXIMATELY THIS LOCATION. POSITION UNIT SO THAT SUPPLY AND RETURN GRILLES FIT INTO CEILING GRID. CONNECT 1/4" DOMESTIC COLD WATER LINE TO HUMIDIFIER SUPPLY CONNECTION IN UNIT. COORDINATE WITH PLUMBING CONTRACTOR. PROVIDE SECONDARY DRAIN PAN BELOW UNIT. PAN SHALL BE 3" LARGER LARGER THAN UNIT ON EACH SIDE. PROVIDE FLOAT SWITCH TO LOCKED OUT UNIT IF OVERFLOW OCCURS. RE:#7/A-M4.01.
19. 1 1/4" CHILLED WATER LINES FROM MECHANICAL ROOM TO BE CONNECTED TO COOLING COIL CONNECTIONS AT LIEBERT UNIT. RE:#1/C-M4.01. REFER TO #1/C-M3.02 FOR CONTINUATION.
20. ROUTE 3/4" CONDENSATE DRAIN LINE FROM CONDENSATE DRAIN CONNECTION AT BLOWER COIL UNIT TO THE NEAREST DRAIN. RE:#5/A-M4.01.

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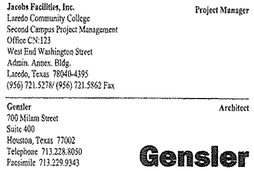
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	Issue	Date & Issue Description	By	Check
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		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
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		CONSTRUCTION DOCUMENTS		
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		ADDENDUM No. 2		
3	07	05.10.02		
		ADDENDUM No. 3		

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CONSTRUCTION



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BRIAN C. UHLRICH
86412
LICENSED PROFESSIONAL ENGINEER
06-12-02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
SECOND LEVEL MECHANICAL PLAN - AREA A

Scale
1/8" = 1'-0"

True North

Ref. North

C-M2.02A

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1 M2.02B **SECOND LEVEL MECHANICAL PLAN - AREA 'B'**
1/8" = 1'-0"

C-M2.02B MECHANICAL GENERAL NOTES:

A. ALL DUCT TRANSITIONS REQUIRED ARE NOT INDICATED ON THIS PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE COORDINATION DRAWINGS INDICATING THE TRANSITIONS AND DUCTWORK ELEVATIONS REQUIRED TO ALLOW THE MECHANICAL SYSTEMS TO BE INSTALLED IN THE INTENDED CONFIGURATION.

B. COORDINATE DUCTWORK AND PIPE ROUTING WITH ELECTRICAL CONDUIT, PLUMBING, BUILDING STRUCTURE, PARTITION FRAMING AND OTHER BUILDING SYSTEMS AS REQUIRED.

C. DUCT DIMENSIONS INDICATED ON PLAN ARE CLEAR INSIDE AIRSTREAM DIMENSIONS.

D. CONTRACTOR SHALL VERIFY CONFIGURATION OF ROOF STRUCTURE AND AVAILABLE CLEARANCE FOR MECHANICAL SYSTEMS PRIOR TO COMMENCEMENT OF WORK.

E. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.

F. THESE DRAWINGS ARE SCHEMATIC IN NATURE. SOME MECHANICAL EQUIPMENT AND DUCTS MAY NOT BE DRAWN TO SCALE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING COORDINATION DRAWINGS AND PERFORMING FIELD MEASUREMENTS TO DETERMINE THE NECESSARY CONFIGURATION OF THE MECHANICAL SYSTEMS.

C-M2.02B MECHANICAL KEYED NOTES:

1. PROVIDE SPIN-IN FITTING WITH LOCKING QUADRANT VOLUME DAMPER AT ROUND DUCT CONNECTION WITH SUPPLY MAIN TRUNK. TYPICAL OF ALL RUN-OUTS SERVING SUPPLY DIFFUSERS. RE: #1/C-M4.01.
2. PROVIDE FAN POWERED TERMINAL UNIT AS INDICATED ON SCHEDULE. SUSPEND UNIT FROM STRUCTURE ABOVE. LOCATE UNIT IN A MANNER WHICH ALLOWS ACCESS TO CONTROL PANEL AS RECOMMENDED BY MANUFACTURER. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT SUPPLY DUCT DOWNSTREAM. AVOID LOCATION OF UNIT OVER LIGHT FIXTURES. RE: #2/C-M4.01.
3. PROVIDE CONICAL SPIN-IN WITH NO VOLUME DAMPER AT SUPPLY MAIN DUCT. EXTEND ROUND DUCT AS SHOWN AND CONNECT TO PRIMARY AIR INLET OF FAN POWERED TERMINAL.
4. MOUNT TEMPERATURE SENSOR ON WALL AT SAME ELEVATION AS LIGHT SWITCHES. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. TYPICAL
5. PROVIDE CENTRIFUGAL DOWNBLAST ROOF MOUNTED EXHAUST FAN AS INDICATED ON SCHEDULE. MOUNT FAN ON PREFABRICATED ROOF CURB AS RECOMMENDED BY MANUFACTURER. KEEP FAN 10 FT AWAY FROM ANY INTAKE AIR OPENING. COORDINATE INSTALLATION OF FAN WITH EXHAUST DUCT FROM BELOW RE: #8/C-M4.01.
6. ROUTE 14"X12" SHEET METAL EXHAUST DUCT UP THROUGH ROOF. COORDINATE ROUTING OF EXHAUST DUCT WITH STRUCTURAL MEMBERS. TRANSITION TO CONNECT EXHAUST DUCT TO FAN INLET ON ROOF AS REQUIRED.
7. PROVIDE 1/4" MESH HARDWARE CLOTH AT OPEN END OF RETURN DUCT. ROUTE RETURN DUCT ABOVE CEILING AS SHOWN.
8. PROVIDE RELIEF HOOD ON ROOF SIMILAR TO MODEL PR-30 AS MANUFACTURED BY LOREN COOK. MOUNT HOOD ON PREFABRICATED CURB. HOOD SHALL HAVE A MINIMUM 3.15 SQ FT. OF THROAT AREA. CONNECT 24"X24" RELIEF AIR DUCT TO HOOD INLET. TRANSITION TO CONNECT HOOD INLET AS REQUIRED. ROUTE RELIEF DUCT DOWN THROUGH ROOF AND TERMINATE 12" BELOW ROOF DECK WITH 1/4" MESH HARDWARE CLOTH AT OPEN-END OF RELIEF DUCT. COORDINATE ROUTING OF RELIEF DUCT WITH STRUCTURAL MEMBERS. PROVIDE HOOD WITH BACKDRAFT DAMPER. TYPICAL OF 2. RE: #8/A-M4.01.
9. PROVIDE MAKE UP AIR GRILLE AS SCHEDULED. CONNECT 16"ø SHEET METAL DUCT TO NECK OF GRILLE. EXTEND DUCT THROUGH WALL AS SHOWN.
10. PROVIDE OPENING IN WALL ABOVE THE CEILING FOR RETURN AIR PATH. PROVIDE SIZE AS NOTED ON PLAN OR EQUIVALENT AREA. OPENING SHALL BE DONE AS HIGH AS POSSIBLE AND IN A LOCATION WHICH ALLOWS UNOBSTRUCTED RETURN AIRFLOW. TYPICAL
11. CONNECT SUPPLY AIR PLENUM TO NECK OF LINEAR SLOT DIFFUSER AS SHOWN. SEAL EDGES OF PLENUM TO PREVENT AIR FLOW LEAKING INTO CEILING CAVITY. TYPICAL RE: #4/C-M4.01.
12. CONNECT FLAT BLACK SHEET METAL LIGHT SHIELD TO NECK OF SLOT DIFFUSER TO PREVENT TRANSMISSION OF LIGHT FROM CEILING PLENUM THROUGH FACE OF DIFFUSER SLOT DIFFUSER SHALL REMAIN OPEN TO PLENUM FOR RETURN AIR PATH. TYPICAL

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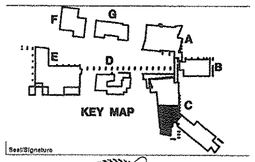
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ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
SECOND LEVEL MECHANICAL PLAN - AREA B

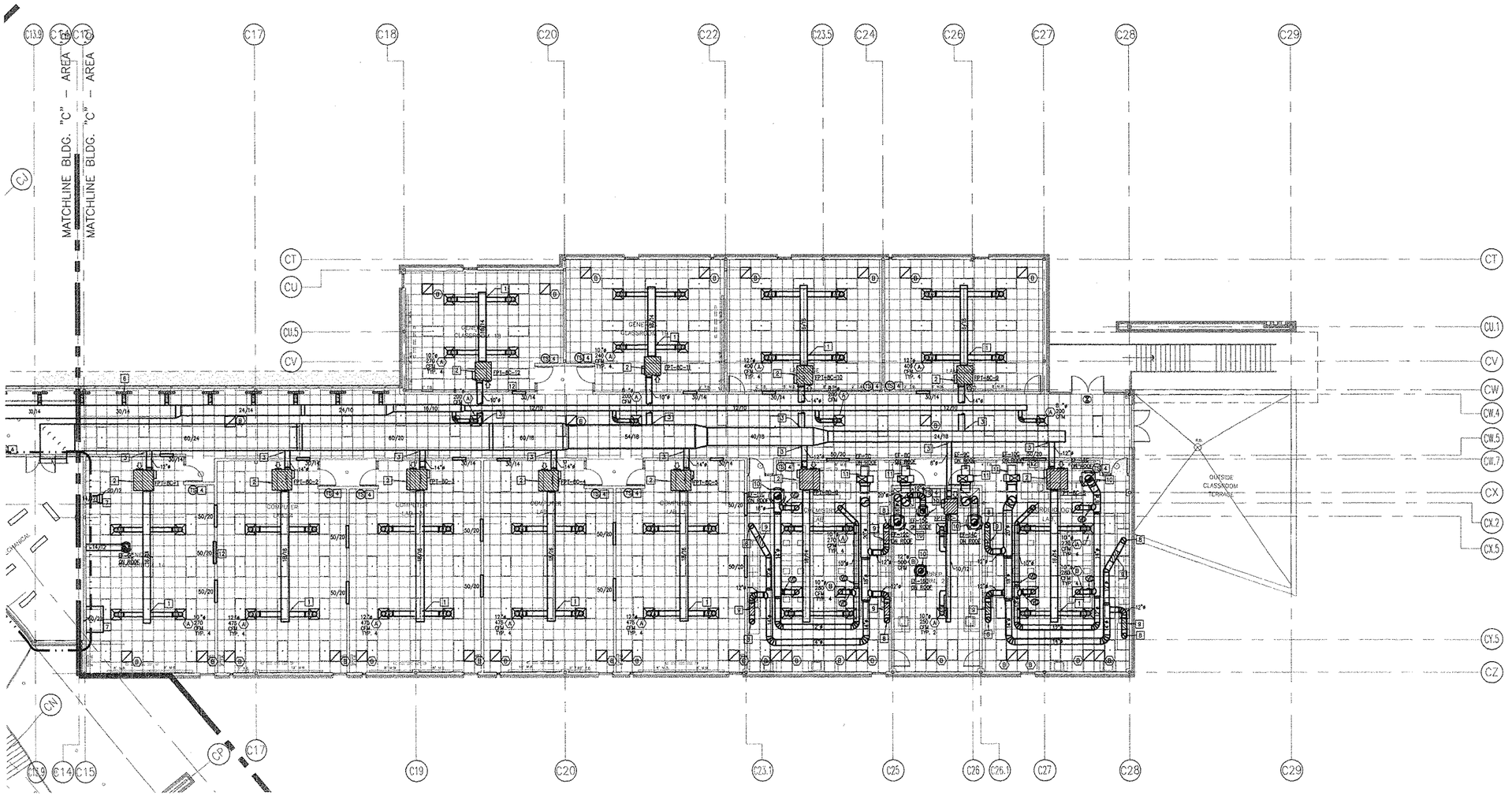
Scale
1/8" = 1'-0"

True North

Ref. North

C-M2.02B

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1 SECOND LEVEL MECHANICAL PLAN - AREA 'C'
M2.02C 1/8" = 1'-0"

C-M2.02C MECHANICAL GENERAL NOTES:

A. ALL DUCT TRANSITIONS REQUIRED ARE NOT INDICATED ON THIS PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE COORDINATION DRAWINGS INDICATING THE TRANSITIONS AND DUCTWORK ELEVATIONS REQUIRED TO ALLOW THE MECHANICAL SYSTEMS TO BE INSTALLED IN THE INTENDED CONFIGURATION.

B. COORDINATE DUCTWORK AND PIPE ROUTING WITH ELECTRICAL CONDUIT, PLUMBING, BUILDING STRUCTURE, PARTITION FRAMING AND OTHER BUILDING SYSTEMS AS REQUIRED.

C. DUCT DIMENSIONS INDICATED ON PLAN ARE CLEAR INSIDE AIRSTREAM DIMENSIONS.

D. CONTRACTOR SHALL VERIFY CONFIGURATION OF ROOF STRUCTURE AND AVAILABLE CLEARANCE FOR MECHANICAL SYSTEMS PRIOR TO COMMENCEMENT OF WORK.

E. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.

F. THESE DRAWINGS ARE SCHEMATIC IN NATURE. SOME MECHANICAL EQUIPMENT AND DUCTS MAY NOT BE DRAWN TO SCALE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING COORDINATION DRAWINGS AND PERFORMING FIELD MEASUREMENTS TO DETERMINE THE NECESSARY CONFIGURATION OF THE MECHANICAL SYSTEMS.

G. MECHANICAL CONTRACTOR SHALL VENTILATE ALL FLAMMABLE/ACID STORAGE CABINETS IN SCIENCE LABS. THE CONTRACTOR SHALL COORDINATE AND DETERMINE THE MINIMUM PIPE SIZE FOR VENTING CABINETS. INSTALLATION OF VENTING SHALL COMPLY WITH THE INTERNATIONAL MECHANICAL CODE 2000.
(A1)

C-M2.02C MECHANICAL KEYED NOTES:

1. PROVIDE SPIN-IN FITTING WITH LOCKING QUADRANT VOLUME DAMPER AT ROUND DUCT CONNECTION WITH SUPPLY MAIN TRUNK. TYPICAL OF ALL RUN-OUTS SERVING SUPPLY DIFFUSERS. RE: #1/C-M4.01.
2. PROVIDE FAN POWERED TERMINAL UNIT AS INDICATED ON SCHEDULE. SUSPEND UNIT FROM STRUCTURE ABOVE. LOCATE UNIT IN A MANNER WHICH ALLOWS ACCESS TO CONTROL PANEL AS RECOMMENDED BY MANUFACTURER. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT SUPPLY DUCT DOWNSTREAM. POSITION UNIT BETWEEN STRUCTURAL MEMBERS AS REQUIRED. RE: #7/C-M4.01.
3. PROVIDE CONICAL SPIN-IN WITH NO VOLUME DAMPER AT SUPPLY MAIN DUCT. EXTEND ROUND DUCT AS SHOWN AND CONNECT TO PRIMARY AIR INLET OF FAN POWERED TERMINAL.
4. MOUNT TEMPERATURE SENSOR ON WALL AT SAME ELEVATION AS LIGHT SWITCHES. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. TYPICAL
5. ROUTE EXHAUST DUCTS UP THROUGH MECHANICAL CHASE. REFER TO #1/C-M2.02C FOR CONTINUATION.
6. CONNECT SUPPLY AIR PLENUM TO NECK OF LINEAR SLOT DIFFUSER AS SHOWN. SEAL EDGES OF PLENUM TO PREVENT AIR FLOW LEAKING INTO CEILING CAVITY. TYPICAL
7. PROVIDE 1/4" MESH HARDWARE CLOTH AT OPEN END OF RETURN DUCT. ROUTE RETURN DUCT TO MECHANICAL ROOM AS SHOWN. RE: #3/C-M3.01.
8. CONNECT 12" SHEET METAL ROUND DUCT TO DUCT COLLAR OF FUME HOOD. TRANSITION TO CONNECT COLLAR OF HOOD AS REQUIRED. TYPICAL OF 8
9. PROVIDE VENTURI AIR VALVE AT 12" EXHAUST DUCT PRIOR TO CONNECT COLLAR OF HOOD. REFER TO SPECIFICATIONS
10. PROVIDE CENTRIFUGAL UPBLAST ROOF MOUNTED EXHAUST FAN AS INDICATED ON SCHEDULE. MOUNT FAN ON PREFABRICATED ROOF CURB. INSTALL FAN ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. KEEP EXHAUST FAN 10 FT AWAY FROM ANY INTAKE AIR OPENING. RE: #14/C-M4.01.
11. PROVIDE BACKWARD INCLINED UTILITY FAN ON ROOF. MOUNT FAN ON ROOF ACCORDING TO MANUFATURER'S RECOMMENDATIONS. RE: #15/C-M4.01.
12. PROVIDE OPENING IN WALL ABOVE THE CEILING FOR RETURN AIR PATH. PROVIDE SIZE AS NOTED ON PLAN OR EQUIVALENT AREA. OPENING SHALL BE DONE AS HIGH AS POSSIBLE AND IN A LOCATION WHICH ALLOWS UNOBSTRUCTED RETURN AIRFLOW. TYPICAL

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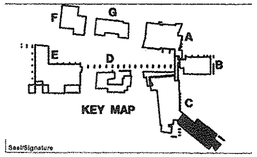
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--	01	10.11.01 SCHEMATIC DESIGN & PRICING		
	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		
1	06	05.13.02 ADDENDUM NO. 4		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

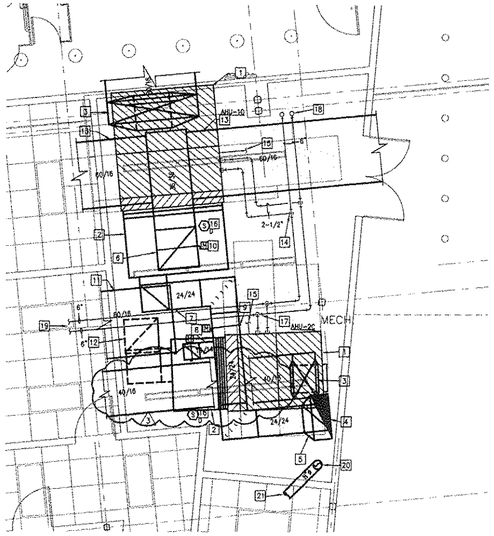
Description
BUILDING C
SECOND LEVEL MECHANICAL PLAN – AREA C

Scale
1/8" = 1'-0"

True North
Ref. North

C-M2.02C

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#1/C-M3.01 MECHANICAL GENERAL NOTES:

A. ALL DUCT TRANSITIONS REQUIRED ARE NOT INDICATED ON THIS PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE COORDINATION DRAWINGS INDICATING THE TRANSITIONS AND DUCTWORK ELEVATIONS REQUIRED TO ALLOW THE MECHANICAL SYSTEMS TO BE INSTALLED IN THE INTENDED CONFIGURATION.

B. COORDINATE DUCTWORK AND PIPE ROUTING WITH ELECTRICAL CONDUIT, PLUMBING, BUILDING STRUCTURE, PARTITION FRAMING AND OTHER BUILDING SYSTEMS AS REQUIRED.

C. DUCT DIMENSIONS INDICATED ON PLAN ARE CLEAR INSIDE AIRSTREAM DIMENSIONS.

D. CONTRACTOR SHALL VERIFY CONFIGURATION OF ROOF STRUCTURE AND AVAILABLE CLEARANCE FOR MECHANICAL SYSTEMS PRIOR TO COMMENCEMENT OF WORK.

E. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.

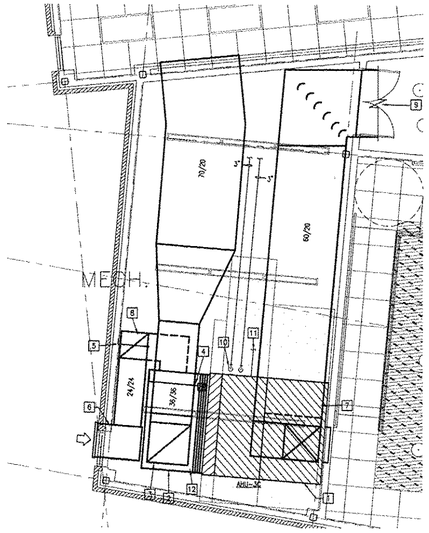
F. THESE DRAWINGS ARE SCHEMATIC IN NATURE. SOME MECHANICAL EQUIPMENT AND DUCTS MAY NOT BE DRAWN TO SCALE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING COORDINATION DRAWINGS AND PERFORMING FIELD MEASUREMENTS TO DETERMINE THE NECESSARY CONFIGURATION OF THE MECHANICAL SYSTEMS.

#1/C-M3.01 MECHANICAL KEYED NOTES:

1. PROVIDE AIR HANDLING UNIT AS INDICATED ON SCHEDULE. MOUNT UNIT ON 4" HOUSEKEEPING CONCRETE PAD. PROVIDE NEOPRENE VIBRATION ISOLATORS BELOW OF UNIT PRIOR TO SEAT IT ON CONCRETE PAD..
2. CONSTRUCT SHEET METAL RETURN AIR PLENUM AT RETURN AIR OPENING OF AIR HANDLING UNIT. PLENUM SHALL BE LINED WITH 2" THICK ACOUSTICAL DUCT INSULATION. INSIDE DIMENSIONS OF PLENUM SHALL BE THE SAME HEIGHT AND WIDTH AS UNIT INLET AND AS MINIMUM 48" DEPTH. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT INLET OF AIR HANDLING UNIT. PROVIDE GALVANIZED CHANNELS TO SUPPORT PLENUM.
3. CONNECT SUPPLY AIR DUCT TO FAN OUTLET OF AIR HANDLING UNIT. ROUTE SUPPLY DUCT TIGHT TO STRUCTURE ABOVE OF MECHANICAL ROOM AS SHOWN. TRANSITION TO CONNECT FAN OUTLET OF AIR HANDLING UNIT AS REQUIRED. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT FAN OUTLET. DIMENSIONS AS NOTED ON PLAN.
4. ROUTE 40"X16" OUTSIDE AIR DUCT UP THROUGH CONCRETE SLAB OF SECOND FLOOR. RE:#1/C-M3.02 FOR CONTINUATION. OUTSIDE AIR DUCT SHALL BE ROUTED BETWEEN STRUCTURAL MEMBERS AT APPROXIMATELY THIS LOCATION. REFER TO STRUCTURAL DRAWINGS.
5. TRANSITION FROM 40"X16" TO 24"X24" JUST BELOW STRUCTURE ABOVE OF MECHANICAL ROOM. ROUTE 24"X24" OUTSIDE AIR DUCT BENEATH 40"X16" SUPPLY DUCT AS SHOWN.
6. CONNECT 36"X36" RETURN AIR DUCT TO RETURN AIR PLENUM AS SHOWN. ROUTE RETURN DUCT TIGHT TO ROOF STRUCTURE OF MECHANICAL ROOM. RETURN AIR DUCT SHALL BE INTERNALLY INSULATED ACCORDING TO SPECIFICATIONS. CAP OFF RETURN AIR DUCT AT THE END.
7. ROUTE 24"X24" OUTSIDE AIR DUCT BENEATH 60"X18" RETURN AIR DUCT. TURN DUCT DOWN AND CONNECT TO RETURN AIR PLENUM OF AIR HANDLING UNIT AS SHOWN.
8. CONNECT 14"X14" OUTSIDE AIR DUCT TO 24"X24" AS SHOWN. TURN DUCT DOWN AND CONNECT TO RETURN RETURN AIR PLENUM AS SHOWN. PROVIDE MOTORIZED DAMPER AT VERTICAL DUCT. INSTALL DAMPER IN A MANNER WHICH ALLOWS ACCESS FOR SERVICE.
9. PROVIDE MOTORIZED DAMPER AT 24"X24" OUTSIDE AIR DUCT. INSTALL DAMPER IN A MANNER WHICH ALLOWS ACCESS FOR SERVICE.
10. PROVIDE MOTORIZED DAMPER AT 36"X36" RETURN AIR DUCT. INSTALL DAMPER IN A MANNER WHICH ALLOWS ACCESS TO SERVICE.
11. ROUTE 60"X18" RETURN AIR DUCT TIGHT TO STRUCTURE ABOVE. REFER TO #1/C-M2.01A FOR CONTINUATION. RETURN DUCT SHALL BE INTERNALLY INSULATED ACCORDING TO SPECIFICATIONS.
12. CONNECT 30"X30" RETURN DUCT AT THE BOTTOM OF 60"X18" RETURN AIR DUCT. ROUTE 30"X30" RETURN DUCT DOWN AND CONNECT TO RETURN AIR PLENUM AS SHOWN. OFFSET RETURN DUCT TO CONNECT PLENUM AS REQUIRED.
13. CONNECT 60"X18" RETURN AIR DUCT TO 36"X36" MAIN TRUNK. ROUTE RETURN DUCT AS HIGH AS POSSIBLE IN MECHANICAL ROOM. RETURN DUCT SHALL BE INTERNALLY INSULATED ACCORDING TO SPECIFICATIONS. REFER TO #1/C-M2.01A FOR CONTINUATION.
14. CONNECT 2 1/2" CHILLED WATER PIPING TO 6" MAINS. ROUTE PIPING TO COOLING COIL CONNECTIONS AT AIR HANDLING UNIT. RE:#12/C-M4.01.
15. ROUTE 1 1/4" CONDENSATE DRAIN LINE FROM CONDENSATE DRAIN CONNECTION AT AIR HANDLING UNIT TO THE NEAREST FLOOR DRAIN. RE:#5/C-M4.01.
16. PROVIDE DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR DUCT.
17. CONNECT 2" CHILLED WATER PIPING TO 6" MAINS. ROUTE PIPING TO COOLING COIL CONNECTIONS AT AIR HANDLING UNIT. RE:#12/C-M4.01.
18. ROUTE 6" CHILLED WATER PIPING UP TO MECHANICAL ROOM ABOVE.
19. REFER TO #1/C-M2.01A FOR CONTINUATION.
20. ROUTE 8" SHEET METAL EXHAUST ROUND DUCT UP THROUGH MECHANICAL CHASE. REFER TO #1/C-M2.02A FOR CONTINUATION.
21. ROUTE 8" EXHAUST DUCT BETWEEN BARJOIST AS REQUIRED IN ORDER TO ALLOW INSTALLATION OF SUPPLY DUCT. REFER TO #1/C-M2.01A FOR CONTINUATION.

1 M3.01 ENLARGED MECHANICAL PLAN

1/4" = 1'-0"



#2/C-M3.01 MECHANICAL GENERAL NOTES:

A. ALL DUCT TRANSITIONS REQUIRED ARE NOT INDICATED ON THIS PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE COORDINATION DRAWINGS INDICATING THE TRANSITIONS AND DUCTWORK ELEVATIONS REQUIRED TO ALLOW THE MECHANICAL SYSTEMS TO BE INSTALLED IN THE INTENDED CONFIGURATION.

B. COORDINATE DUCTWORK AND PIPE ROUTING WITH ELECTRICAL CONDUIT, PLUMBING, BUILDING STRUCTURE, PARTITION FRAMING AND OTHER BUILDING SYSTEMS AS REQUIRED.

C. DUCT DIMENSIONS INDICATED ON PLAN ARE CLEAR INSIDE AIRSTREAM DIMENSIONS.

D. CONTRACTOR SHALL VERIFY CONFIGURATION OF ROOF STRUCTURE AND AVAILABLE CLEARANCE FOR MECHANICAL SYSTEMS PRIOR TO COMMENCEMENT OF WORK.

E. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.

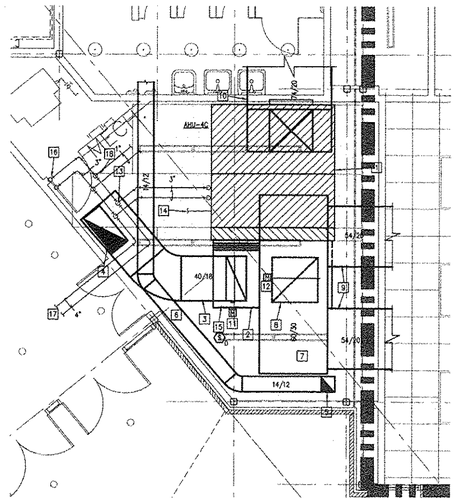
F. THESE DRAWINGS ARE SCHEMATIC IN NATURE. SOME MECHANICAL EQUIPMENT AND DUCTS MAY NOT BE DRAWN TO SCALE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING COORDINATION DRAWINGS AND PERFORMING FIELD MEASUREMENTS TO DETERMINE THE NECESSARY CONFIGURATION OF THE MECHANICAL SYSTEMS.

#2/C-M3.01 MECHANICAL KEYED NOTES:

1. PROVIDE AIR HANDLING UNIT AS INDICATED ON SCHEDULE. MOUNT UNIT ON 4" HOUSEKEEPING CONCRETE PAD. PROVIDE NEOPRENE VIBRATION ISOLATORS BELOW OF UNIT PRIOR TO SEAT IT ON CONCRETE PAD..
2. CONSTRUCT SHEET METAL RETURN AIR PLENUM AT RETURN AIR OPENING OF AIR HANDLING UNIT. PLENUM SHALL BE LINED WITH 2" THICK ACOUSTICAL DUCT INSULATION. INSIDE DIMENSIONS OF PLENUM SHALL BE THE SAME HEIGHT AND WIDTH AS UNIT INLET AND AS MINIMUM 48" DEPTH. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT INLET OF AIR HANDLING UNIT. PROVIDE GALVANIZED CHANNELS TO SUPPORT PLENUM.
3. CONNECT 36"X36" RETURN AIR DUCT TO RETURN AIR PLENUM AS SHOWN. ROUTE RETURN DUCT TIGHT TO ROOF STRUCTURE OF MECHANICAL ROOM. TRANSITION TO 70"X20" AS SHOWN. KEEP ROUTING OF RETURN DUCT TIGHT TO STRUCTURE ABOVE. RETURN AIR DUCT SHALL BE INTERNALLY INSULATED ACCORDING TO SPECIFICATIONS.
4. PROVIDE MOTORIZED DAMPER AT 36"X36" RETURN AIR DUCT. INSTALL DAMPER IN A MANNER WHICH ALLOWS ACCESS TO SERVICE.
5. PROVIDE MOTORIZED DAMPER AT 24"X24" OUTSIDE AIR DUCT. INSTALL DAMPER IN A MANNER WHICH ALLOWS ACCESS FOR SERVICE.
6. CONSTRUCT SHEET METAL PLENUM AT NECK OF LOUVER. PROVIDE DIMENSIONS OF PLENUM WITH THE SAME HEIGHT AND WIDTH AS NECK OF LOUVER AND AS MINIMUM 36" DEPTH. REFER TO ARCHITECTURAL DRAWINGS FOR LOUVER SPECIFICATIONS. PROVIDE A MINIMUM OF 6.4 SQUARE FEET OF FREE AREA IN LOUVER.
7. CONNECT SUPPLY AIR DUCT TO FAN OUTLET OF AIR HANDLING UNIT. ROUTE SUPPLY DUCT TIGHT TO STRUCTURE ABOVE OF MECHANICAL ROOM AS SHOWN. TRANSITION TO CONNECT FAN OUTLET OF AIR HANDLING UNIT AS REQUIRED. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT FAN OUTLET. DIMENSIONS AS NOTED ON PLAN.
8. CONNECT 24"X24" OUTSIDE AIR DUCT TO RETURN AIR PLENUM OF AIR HANDLING UNIT. ROUTE 24"X24" OUTSIDE AIR DUCT UP TO APPROXIMATE 5' A.F.F. ROUTE OUTSIDE AIR DUCT HORIZONTALLY IN ORDER TO CONNECT SHEET METAL PLENUM AS SHOWN.
9. REFER TO #1/C-M2.01B FOR CONTINUATION.
10. CONNECT 3" CHILLED WATER PIPING TO 6" MAINS. RE:#1/M2.01B. ROUTE PIPING TO COOLING COIL CONNECTIONS AT AIR HANDLING UNIT. RE:#12/C-M4.01.
11. ROUTE 1 1/4" CONDENSATE DRAIN LINE FROM CONDENSATE DRAIN CONNECTION AT AIR HANDLING UNIT TO THE NEAREST FLOOR DRAIN. RE:#5/C-M4.01.
12. PROVIDE DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR DUCT.

2 M3.01 ENLARGED MECHANICAL PLAN

1/4" = 1'-0"



#3/C-M3.01 MECHANICAL GENERAL NOTES:

A. ALL DUCT TRANSITIONS REQUIRED ARE NOT INDICATED ON THIS PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE COORDINATION DRAWINGS INDICATING THE TRANSITIONS AND DUCTWORK ELEVATIONS REQUIRED TO ALLOW THE MECHANICAL SYSTEMS TO BE INSTALLED IN THE INTENDED CONFIGURATION.

B. COORDINATE DUCTWORK AND PIPE ROUTING WITH ELECTRICAL CONDUIT, PLUMBING, BUILDING STRUCTURE, PARTITION FRAMING AND OTHER BUILDING SYSTEMS AS REQUIRED.

C. DUCT DIMENSIONS INDICATED ON PLAN ARE CLEAR INSIDE AIRSTREAM DIMENSIONS.

D. CONTRACTOR SHALL VERIFY CONFIGURATION OF ROOF STRUCTURE AND AVAILABLE CLEARANCE FOR MECHANICAL SYSTEMS PRIOR TO COMMENCEMENT OF WORK.

E. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.

F. THESE DRAWINGS ARE SCHEMATIC IN NATURE. SOME MECHANICAL EQUIPMENT AND DUCTS MAY NOT BE DRAWN TO SCALE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING COORDINATION DRAWINGS AND PERFORMING FIELD MEASUREMENTS TO DETERMINE THE NECESSARY CONFIGURATION OF THE MECHANICAL SYSTEMS.

#3/C-M3.01 MECHANICAL KEYED NOTES:

1. PROVIDE AIR HANDLING UNIT AS INDICATED ON SCHEDULE. MOUNT UNIT ON 4" HOUSEKEEPING CONCRETE PAD. PROVIDE NEOPRENE VIBRATION ISOLATORS BELOW OF UNIT PRIOR TO SEAT IT ON CONCRETE PAD..
2. CONSTRUCT SHEET METAL RETURN AIR PLENUM AT RETURN AIR OPENING OF AIR HANDLING UNIT. PLENUM SHALL BE LINED WITH 2" THICK ACOUSTICAL DUCT INSULATION. INSIDE DIMENSIONS OF PLENUM SHALL BE THE SAME HEIGHT AND WIDTH AS UNIT INLET AND AS MINIMUM 52" DEPTH. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT INLET OF AIR HANDLING UNIT. PROVIDE GALVANIZED CHANNELS TO SUPPORT PLENUM.
3. CONNECT 40"X18" OUTSIDE AIR DUCT TO RETURN AIR PLENUM AS SHOWN. ROUTE OUTSIDE AIR DUCT BENEATH 14"X12" EXHAUST DUCT AS SHOWN. CAP OFF DUCT AT THE END.
4. CONNECT 40"X18" VERTICAL DUCT TO 40"X18" HORIZONTAL OUTSIDE AIR DUCT. ROUTE VERTICAL DUCT UP THROUGH CONCRETE SLAB OF MECHANICAL ROOM. REFER TO #3/C-M3.02 FOR CONTINUATION. VERTICAL DUCT SHALL BE ROUTED BETWEEN STRUCTURAL MEMBERS AT APPROXIMATELY THIS LOCATION. REFER TO STRUCTURAL DRAWINGS.
5. ROUTE 14"X12" EXHAUST DUCT UP THROUGH CONCRETE SLAB OF MECHANICAL ROOM. REFER TO #2/C-M3.01 FOR CONTINUATION. EXHAUST DUCT SHALL BE ROUTED BETWEEN STRUCTURAL MEMBERS AT APPROXIMATELY THIS LOCATION. REFER TO STRUCTURAL DRAWINGS.
6. ROUTE 14"X12" EXHAUST AIR DUCT AS HIGH AS POSSIBLE IN MECHANICAL ROOM. REFER TO #1/C-M2.01C FOR CONTINUATION.
7. PROVIDE 60"X30" RETURN DUCT AS SHOWN. CAP OFF RETURN DUCT AT BOTH ENDS. RETURN DUCT SHALL BE INTERNALLY INSULATED ACCORDING TO SPECIFICATIONS. INSTALL RETURN DUCT TIGHT TO STRUCTURE ABOVE.
8. CONNECT 40"X40" SHEET METAL DUCT TO THE BOTTOM OF 60"X30" RETURN AIR DUCT AS SHOWN. ROUTE 40"X40" RETURN DUCT DOWN AND CONNECT TO RETURN AIR PLENUM AT AIR HANDLING UNIT. RETURN DUCT SHALL BE INTERNALLY INSULATED ACCORDING TO SPECIFICATIONS.
9. CONNECT 54"X20" DUCT TO 60"X30" RETURN AIR DUCT. ROUTE 54"X20" DUCT THROUGH WALL OF MECHANICAL ROOM AS SHOWN. REFER TO #1/C-M2.01C FOR CONTINUATION.
10. CONNECT SUPPLY AIR DUCT TO FAN OUTLET OF AIR HANDLING UNIT. ROUTE SUPPLY DUCT TIGHT TO STRUCTURE ABOVE OF MECHANICAL ROOM AS SHOWN. TRANSITION TO CONNECT FAN OUTLET OF AIR HANDLING UNIT AS REQUIRED. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT FAN OUTLET. DIMENSIONS AS NOTED ON PLAN.
11. PROVIDE MOTORIZED DAMPER AT 40"X18" OUTSIDE AIR DUCT. INSTALL DAMPER IN A MANNER WHICH ALLOWS ACCESS FOR SERVICE.
12. PROVIDE MOTORIZED DAMPER AT 40"X40" RETURN AIR DUCT. INSTALL DAMPER IN A MANNER WHICH ALLOWS ACCESS TO SERVICE.
13. CONNECT 3" CHILLED WATER PIPING TO 4" MAINS. ROUTE PIPING TO COOLING COIL CONNECTIONS AT AIR HANDLING UNIT. RE:#12/C-M4.01.
14. ROUTE 1 1/4" CONDENSATE DRAIN LINE FROM CONDENSATE DRAIN CONNECTION AT AIR HANDLING UNIT TO THE NEAREST FLOOR DRAIN. RE:#5/C-M4.01.
15. PROVIDE DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR DUCT.
16. ROUTE 3" CHILLED WATER PIPING UP TO MECHANICAL ROOM ABOVE.
17. REFER TO #1/C-M2.01B FOR CONTINUATION.
18. CONNECT 1" CHILLED WATER PIPING TO 3" MAINS. ROUTE PIPING TO COOLING COIL CONNECTIONS AT BLOWER COIL UNIT SERVING IDF ROOM. RE:#12/C-M4.01. RE:#1/C-M2.01C FOR CONTINUATION.

3 M3.01 ENLARGED MECHANICAL PLAN

1/4" = 1'-0"

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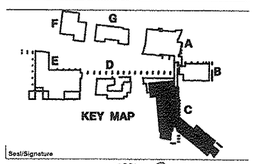
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	05	04.11.02		
		CONSTRUCTION DOCUMENTS		
2	06	05.06.02		
		ADDENDUM No. 2		
3	07	05.10.02		
		ADDENDUM No. 3		

ISSUE FOR:
~~JUN 1 8 2002~~
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Compus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
ENLARGED MECHANICAL PLANS

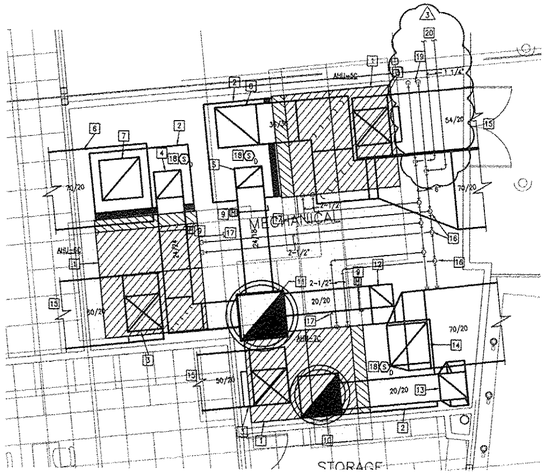
Scale
1/4" = 1'-0"

True North

Ref. North

C-M3.01

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1 ENLARGED MECHANICAL PLAN
M3.02 — 1/4" = 1'-0"

#1/C-M3.02 MECHANICAL GENERAL NOTES:

A. ALL DUCT TRANSITIONS REQUIRED ARE NOT INDICATED ON THIS PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE COORDINATION DRAWINGS INDICATING THE TRANSITIONS AND DUCTWORK ELEVATIONS REQUIRED TO ALLOW THE MECHANICAL SYSTEMS TO BE INSTALLED IN THE INTENDED CONFIGURATION.

B. COORDINATE DUCTWORK AND PIPE ROUTING WITH ELECTRICAL CONDUIT, PLUMBING, BUILDING STRUCTURE, PARTITION FRAMING AND OTHER BUILDING SYSTEMS AS REQUIRED.

C. DUCT DIMENSIONS INDICATED ON PLAN ARE CLEAR INSIDE AIRSTREAM DIMENSIONS.

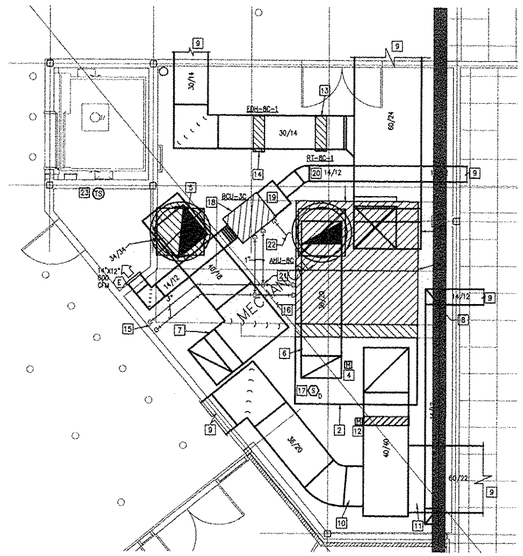
D. CONTRACTOR SHALL VERIFY CONFIGURATION OF ROOF STRUCTURE AND AVAILABLE CLEARANCE FOR MECHANICAL SYSTEMS PRIOR TO COMMENCEMENT OF WORK.

E. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.

F. THESE DRAWINGS ARE SCHEMATIC IN NATURE. SOME MECHANICAL EQUIPMENT AND DUCTS MAY NOT BE DRAWN TO SCALE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING COORDINATION DRAWINGS AND PERFORMING FIELD MEASUREMENTS TO DETERMINE THE NECESSARY CONFIGURATION OF THE MECHANICAL SYSTEMS.

#1/C-M3.02 MECHANICAL KEYED NOTES:

1. PROVIDE AIR HANDLING UNIT AS INDICATED ON SCHEDULE. MOUNT UNIT ON 4" HOUSEKEEPING CONCRETE PAD. PROVIDE NEOPRENE VIBRATION ISOLATORS BELOW OF UNIT PRIOR TO SEAT IT ON CONCRETE PAD..
2. CONSTRUCT SHEET METAL RETURN AIR PLENUM AT RETURN AIR OPENING OF AIR HANDLING UNIT. PLENUM SHALL BE LINED WITH 2" THICK ACOUSTICAL DUCT INSULATION. INSIDE DIMENSIONS OF PLENUM SHALL BE THE SAME HEIGHT AND WIDTH AS UNIT INLET AND AS MINIMUM 48" DEPTH. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT INLET OF AIR HANDLING UNIT. PROVIDE GALVANIZED CHANNELS TO SUPPORT PLENUM.
3. CONNECT SUPPLY AIR DUCT TO FAN OUTLET OF AIR HANDLING UNIT. ROUTE SUPPLY DUCT TIGHT TO STRUCTURE ABOVE OF MECHANICAL ROOM AS SHOWN. TRANSITION TO CONNECT FAN OUTLET OF AIR HANDLING UNIT AS REQUIRED. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT FAN OUTLET. DIMENSIONS AS NOTED ON PLAN.
4. CONNECT 24"X24" OUTSIDE AIR DUCT TO RETURN AIR PLENUM AT AIR HANDLING UNIT. ROUTE OUTSIDE AIR DUCT TIGHT TO STRUCTURE ABOVE AND CONNECT TO 40"X40" VERTICAL OUTSIDE AIR MAIN TRUNK. AS SHOWN.
5. CONNECT 24"X18" OUTSIDE AIR DUCT TO RETURN AIR PLENUM AT AIR HANDLING UNIT. ROUTE OUTSIDE AIR DUCT TIGHT TO STRUCTURE ABOVE AND CONNECT TO 40"X40" VERTICAL OUTSIDE AIR MAIN TRUNK. AS SHOWN.
6. PROVIDE 70"X20" RETURN DUCT AS SHOWN. CAP OFF RETURN DUCT AT THE END. INSTALL RETURN DUCT TIGHT TO STRUCTURE ABOVE. ROUTE RETURN DUCT THROUGH WALL OF MECHANICAL ROOM AS SHOWN. REFER TO #1/C-M2.02A FOR CONTINUATION.
7. CONNECT 40"X40" SHEET METAL DUCT TO THE BOTTOM OF 70"X20" RETURN AIR DUCT AS SHOWN. ROUTE 40"X40" RETURN DUCT DOWN AND CONNECT TO RETURN AIR PLENUM AT AIR HANDLING UNIT. RETURN DUCT SHALL BE INTERNALLY INSULATED ACCORDING TO SPECIFICATIONS.
8. CONNECT 36"X36" RETURN AIR DUCT TO RETURN AIR PLENUM AS SHOWN. ROUTE RETURN DUCT TIGHT TO ROOF STRUCTURE OF MECHANICAL ROOM. PROVIDE TRANSITION FROM 36"X36" TO 70"X20" AS SHOWN. ROUTE 70"X20" RETURN AIR DUCT THROUGH WALL OF MECHANICAL ROOM. REFER TO #1/C-M2.02A FOR CONTINUATION RETURN DUCT SHALL BE INTERNALLY INSULATED ACCORDING TO SPECIFICATIONS.
9. PROVIDE MOTORIZED DAMPER AT OUTSIDE AIR DUCT. INSTALL DAMPER IN A MANNER WHICH ALLOWS ACCESS FOR SERVICE. DIMENSIONS AS NOTED ON PLAN.
10. ROUTE 36"X36" OUTSIDE AIR DUCT UP THROUGH ROOF. TERMINATE ABOVE THE ROOF WITH SPUN ALUMINUM INTAKE VENTILATOR SIMILAR TO MODEL TR-30 AS MANUFACTURED BY LOREN COOK. MOUNT INTAKE VENTILATOR ON PREFABRICATED ROOFCURB ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. 36"X36" OUTSIDE AIR DUCT SHALL BE INSTALLED A MINIMUM 24" BELOW BOTTOM OF STRUCTURAL MEMBERS. CAP OFF OUTSIDE AIR DUCT AT THE END. RE:#10/C-M4.01.
11. ROUTE 40"X40" OUTSIDE AIR DUCT UP THROUGH ROOF. TERMINATE ABOVE THE ROOF WITH SPUN ALUMINUM INTAKE VENTILATOR SIMILAR TO MODEL TR-35 AS MANUFACTURED BY LOREN COOK. MOUNT INTAKE VENTILATOR ON PREFABRICATED ROOFCURB ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. 36"X36" OUTSIDE AIR DUCT SHALL BE INSTALLED A MINIMUM 28" BELOW BOTTOM OF STRUCTURAL MEMBERS. CAP OFF OUTSIDE AIR DUCT AT THE END. RE:#10/C-M4.01.
12. CONNECT 20"X20" OUTSIDE AIR DUCT TO 40"X40" VERTICAL MAIN TRUNK. ROUTE 20"X20" DUCT AS HIGH AS POSSIBLE IN MECHANICAL ROOM TO APPROXIMATE THIS LOCATION. TURN DUCT DOWN AND CONNECT TO RETURN AIR PLENUM AT AIR HANDLING UNIT AS SHOWN.
13. CONNECT 20"X20" OUTSIDE AIR DUCT TO 36"X36" VERTICAL MAIN TRUNK. ROUTE 20"X20" DUCT AS HIGH AS POSSIBLE IN MECHANICAL ROOM TO APPROXIMATE THIS LOCATION. ROUTE DUCT DOWN THROUGH CONCRETE SLAB TRANSITION TO 40"X16" PRIOR TO SLAB PENETRATION. COORDINATE ROUTING OF CUTWORK WITH STRUCTURAL MEMBERS. REFER TO #1/C-M3.01 FOR CONTINUATION.
14. CONNECT 36"X36" RETURN DUCT TO RETURN AIR PLENUM AT AIR HANDLING UNIT. TRANSITION FROM 36"X36" TO 70"X20" AT VERTICAL EXTENSION. ROUTE 70"X20" RETURN AIR DUCT TIGHT TO STRUCTURE AS SHOWN. REFER TO #1/C-M2.02A FOR CONTINUATION.
15. REFER TO #1/C-M2.02A FOR CONTINUATION.
16. CONNECT 2 1/2" CHILLED WATER PIPING TO 6" MAINS. ROUTE PIPING TO COOLING COIL CONNECTIONS AT AIR HANDLING UNIT. RE:#11,12/C-M4.01 AS APPLICABLE. REFER TO AIR HANDLING UNIT SCHEDULE.
17. ROUTE 1 1/4" CONDENSATE DRAIN LINE FROM CONDENSATE DRAIN CONNECTION AT AIR HANDLING UNIT TO THE NEAREST FLOOR DRAIN. RE:#5/C-M4.01.
18. PROVIDE DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR DUCT.
19. 6" CHILLED WATER PIPING FROM BELOW. RE: #1/C-M3.01.
20. CONNECT 1 1/4" CHILLED WATER PIPING TO 6" MAINS. ROUTE PIPING TO COOLING COIL CONNECTIONS AT LIEBERT UNIT IN MDF ROOM. RE:#1/C-M2.02A FOR CONTINUATION.



2 ENLARGED MECHANICAL PLAN
M3.02 — 1/4" = 1'-0"

#2/C-M3.02 MECHANICAL GENERAL NOTES:

A. ALL DUCT TRANSITIONS REQUIRED ARE NOT INDICATED ON THIS PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE COORDINATION DRAWINGS INDICATING THE TRANSITIONS AND DUCTWORK ELEVATIONS REQUIRED TO ALLOW THE MECHANICAL SYSTEMS TO BE INSTALLED IN THE INTENDED CONFIGURATION.

B. COORDINATE DUCTWORK AND PIPE ROUTING WITH ELECTRICAL CONDUIT, PLUMBING, BUILDING STRUCTURE, PARTITION FRAMING AND OTHER BUILDING SYSTEMS AS REQUIRED.

C. DUCT DIMENSIONS INDICATED ON PLAN ARE CLEAR INSIDE AIRSTREAM DIMENSIONS.

D. CONTRACTOR SHALL VERIFY CONFIGURATION OF ROOF STRUCTURE AND AVAILABLE CLEARANCE FOR MECHANICAL SYSTEMS PRIOR TO COMMENCEMENT OF WORK.

E. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.

F. THESE DRAWINGS ARE SCHEMATIC IN NATURE. SOME MECHANICAL EQUIPMENT AND DUCTS MAY NOT BE DRAWN TO SCALE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING COORDINATION DRAWINGS AND PERFORMING FIELD MEASUREMENTS TO DETERMINE THE NECESSARY CONFIGURATION OF THE MECHANICAL SYSTEMS.

#2/C-M3.02 MECHANICAL KEYED NOTES:

1. PROVIDE AIR HANDLING UNIT AS INDICATED ON SCHEDULE. MOUNT UNIT ON 4" HOUSEKEEPING CONCRETE PAD. PROVIDE NEOPRENE VIBRATION ISOLATORS BELOW OF UNIT PRIOR TO SEAT IT ON CONCRETE PAD..
2. CONSTRUCT SHEET METAL RETURN AIR PLENUM AT RETURN AIR OPENING OF AIR HANDLING UNIT. PLENUM SHALL BE LINED WITH 2" THICK ACOUSTICAL DUCT INSULATION. INSIDE DIMENSIONS OF PLENUM SHALL BE THE SAME HEIGHT AND WIDTH AS UNIT INLET AND AS MINIMUM 52" DEPTH. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT INLET OF AIR HANDLING UNIT. PROVIDE GALVANIZED CHANNELS TO SUPPORT PLENUM.
3. CONNECT SUPPLY AIR DUCT TO FAN OUTLET OF AIR HANDLING UNIT. ROUTE SUPPLY DUCT TIGHT TO STRUCTURE ABOVE OF MECHANICAL ROOM AS SHOWN. TRANSITION TO CONNECT FAN OUTLET OF AIR HANDLING UNIT AS REQUIRED. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT FAN OUTLET. DIMENSIONS AS NOTED ON PLAN.
4. PROVIDE MOTORIZED DAMPER AT OUTSIDE AIR DUCT. INSTALL DAMPER IN A MANNER WHICH ALLOWS ACCESS FOR SERVICE. DIMENSIONS AS NOTED ON PLAN.
5. CONNECT 34"X34" OUTSIDE AIR DUCT TO 40"X16" HORIZONTAL DUCT AS SHOWN. ROUTE 34"X34 DUCT UP THROUGH ROOF. TERMINATE ABOVE THE ROOF WITH SPUN ALUMINUM INTAKE VENTILATOR SIMILAR TO MODEL TR-30 AS MANUFACTURED BY LOREN COOK. MOUNT INTAKE VENTILATOR ON PREFABRICATED ROOFCURB ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. RE:#10/C-M4.01.
6. CONNECT 36"X20" OUTSIDE AIR DUCT TO RETURN AIR PLENUM. ROUTE OUTSIDE AIR DUCT ABOVE AIR HANDLING UNIT AS SHOWN. ROUTE OUTSIDE AIR DUCT UP THROUGH ROOF. TERMINATE ABOVE THE ROOF WITH SPUN ALUMINUM INTAKE VENTILATOR SIMILAR TO MODEL TR-30 AS MANUFACTURED BY LOREN COOK. MOUNT INTAKE VENTILATOR ON PREFABRICATED ROOFCURB ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. RE:#10/C-M4.01.
7. ROUTE 40"X16" OUTSIDE AIR DUCT AS HIGH AS POSSIBLE IN MECHANICAL ROOM. ROUTE OUTSIDE AIR DUCT DOWN TO MECHANICAL ROOM BELOW. REFER TO #3/C-M3.02 FOR CONTINUATION.
8. ROUTE 14"X12" EXHAUST DUCT DOWN TO FLOOR. ROUTE EXHAUST DUCT ABOVE FLOOR TO SOUTHEAST CORNER OF MECHANICAL ROOM AS SHOWN. ROUTE EXHAUST DUCT DOWN THROUGH CONCRETE SLAB. RE:#2/A3.01 FOR CONTINUATION. EXHAUST DUCT SHALL BE ROUTED BETWEEN STRUCTURAL MEMBERS. REFER TO STRUCTURAL DRAWINGS.
9. ROUTE DUCTWORK ABOVE THE CEILING. REFER TO #1/C-M2.02C FOR CONTINUATION.
10. CONNECT 36"X20" RETURN DUCT TO 40"X40" MAIN TRUNK. ROUTE 36"X20" RETURN DUCT TIGHT TO STRUCTURE ABOVE AS SHOWN.
11. CONNECT 60"X22" RETURN DUCT TO 40"X40" MAIN TRUNK. ROUTE 60"X22" RETURN DUCT TIGHT TO STRUCTURE ABOVE AS SHOWN.
12. PROVIDE MOTORIZED DAMPER AT RETURN AIR DUCT AS SHOWN. INSTALL DAMPER IN A MANNER WHICH ALLOWS ACCESS FOR SERVICE. DIMENSIONS AS NOTED ON PLAN.
13. PROVIDE RETROFIT TERMINAL UNIT AS INDICATED ON SCHEDULE. INSTALL UNIT IN SUPPLY DUCT AS RECOMMENDED BY MANUFACTURER. COORDINATE WITH CONTROLS CONTRACTOR FOR SEQUENCE OF OPERATION.
14. PROVIDE ELECTRIC DUCT HEATER AS INDICATED ON SCHEDULE. INSTALL UNIT IN A MANNER WHICH ALLOWS ACCESS TO CONTROL PANEL AS RECOMMENDED BY MANUFACTURER. COORDINATE WITH CONTROLS CONTRACTOR FOR SEQUENCE OF OPERATION. RE:#8/C-M4.01.
15. 3" CHILLED WATER PIPING FROM BELOW. RE: #3/C-M3.01. ROUTE PIPING TO COOLING COIL CONNECTIONS AT AIR HANDLING UNIT. RE:#12/C-M4.01.
16. ROUTE 1 1/4" CONDENSATE DRAIN LINE FROM CONDENSATE DRAIN CONNECTION AT AIR HANDLING UNIT TO THE NEAREST FLOOR DRAIN. RE:#5/C-M4.01.
17. PROVIDE DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR DUCT.
18. PROVIDE BLOWER COIL UNIT AS INDICATED ON SCHEDULE. SUSPEND UNIT FROM STRUCTURE ABOVE AT APPROXIMATELY THIS LOCATION. ROUTE SUPPLY AIR DUCT BELOW 40"X18" OUTSIDE AIR DUCT TO SERVE IDF ROOM AS SHOWN. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT BLOWER COIL OUTLET. PROVIDE SECONDARY DRAIN PAN BELOW UNIT. PAN SHALL BE 3"LARGER LARGER THAN UNIT ON EACH SIDE. PROVIDE FLOAT SWITCH TO LOCKED OUT UNIT IF OVERFLOW OCCURS. RE:#7/C-M4.01.
19. CONSTRUCT SHEET METAL RETURN AIR PLENUM AT RETURN AIR OPENING OF BLOWER COIL UNIT. PLENUM SHALL BE LINED WITH 2" THICK ACOUSTICAL DUCT INSULATION. INSIDE DIMENSIONS OF PLENUM SHALL BE THE SAME HEIGHT AND WIDTH AS UNIT INLET AND AS MINIMUM 20" DEPTH. PROVIDE FLEXIBLE DUCT CONNECTION PRIOR TO CONNECT INLET OF BLOWER UNIT.
20. CONNECT 14"X12" RETURN AIR DUCT TO PLENUM. ROUTE RETURN DUCT BENEATH 60"X24" SUPPLY DUCT AS SHOWN. TERMINATE ABOVE THE CEILING OF CLASSROOM. REFER TO #1/C-M2.02C FOR CONTINUATION.
21. CONNECT 1" CHILLED WATER PIPING TO 3" CHILLED WATER PIPING AS SHOWN. ROUTE 1" CHILLED WATER PIPING TO COOLING COIL CONNECTIONS AT BLOWER COIL UNIT. RE:#12/C-M4.01.
22. ROUTE 3/4" CONDENSATE DRAIN LINE FROM CONDENSATE DRAIN CONNECTION AT BLOWER COIL UNIT TO THE NEAREST FLOOR DRAIN. RE:#5/A4-M4.01.
23. MOUNT TEMPERATURE SENSOR ON WALL AT SAME ELEVATION AS LIGHT SWITCHES. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. TYPICAL

Laredo Community College
Second Campus

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West End Washington St.
Laredo, Texas 78040

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Telephone 713.228.8050
Facsimile 713.229.9343

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San Antonio, Texas 78209
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Technology Design
OTM Engineering
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(210) 832.0719/ (210) 828.6969 Fax

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Food Service Consultant
Frank Clements Associates, Inc.
10850 Richmond Ave.
Suite 330
Houston, TX 77042
(713) 784.3212/ (713) 784.2933 Fax

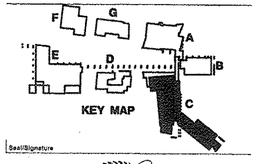
Civil Engineer
Mejia Engineering Co.
1202 Houston St. Suite 200
Laredo, Texas 78040
(956) 725-5057/ (956) 725-7070 Fax

Security Consultant
HMA COnsulting, Inc.
2727 Osborn Lane
Bryan, Texas 77803
(979) 774-1368/ (979)774-0197 Fax

Landscape Design
SLA Studio Land
10665 Richmond Ave. Suite 100
Houston, Texas 77042
(713) 787.0719/ (713) 785.5190 Fax

	Issue	Date & Issue Description	By	Check
--	01	10.11.01		
		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		
2	06	05.06.02		
		ADDENDUM No. 2		
3	07	05.10.02		
		ADDENDUM No. 3		

ISSUE FOR
JUN 1 S 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

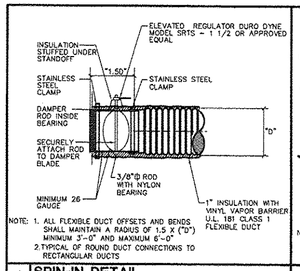
Description
BUILDING C
ENLARGED MECHANICAL PLANS

Scale
1/4" = 1'-0"

C-M3.02

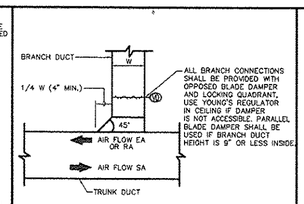
True North
Ref. North

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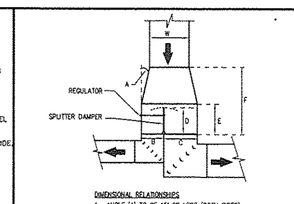
NOTE: 1. ALL FLEXIBLE DUCT OFFSETS AND BENDS SHALL MAINTAIN A RADIUS OF 1.5 X ("D") MINIMUM 3'-0" AND MAXIMUM 6'-0"
2.TYPICAL OF ROUND DUCT CONNECTIONS TO RECTANGULAR DUCTS

1 SPIN-IN DETAIL
NOT TO SCALE



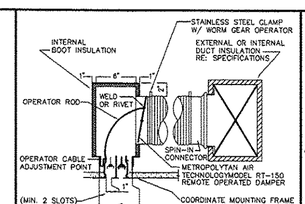
NOTE: THIS CONNECTION SHALL BE TYPICAL FOR ALL RECTANGULAR BRANCH DUCT CONNECTIONS TO RECTANGULAR TRUNK DUCTS, INCLUDING SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTS.

2 RECTANGULAR BRANCH DUCT TAP
NOT TO SCALE



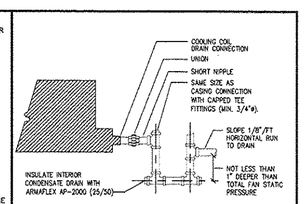
DIMENSIONAL RELATIONSHIPS
1. ANGLE 'A' TO BE 15° OR LESS (BOTH SIDES)
2. SEE FLOOR PLANS FOR B, C, & K.
3. D = 1.5 x B
4. E = D + 3" MINIMUM
5. VERTICAL DIMENSION TO BE MAINTAINED THRU F.
6. CHANGE IN VERTICAL DIMENSION TO OCCUR AFTER TURNS.

3 SPLITTER DAMPER DETAIL
NOT TO SCALE



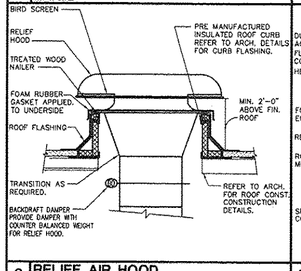
NOTE: AT OPERATOR ADJUSTMENT POINT, LEAVE 1" SECTION OF PATTERN DEFLECTOR OUT FOR ACCESS. CUT FRAME TO ACCOMMODATE SUPPORT FOR OPERATOR.

4 SLOT CONNECTION DETAIL
NOT TO SCALE

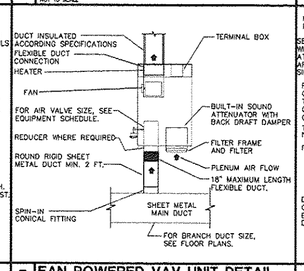


NOTE: MAINTAIN MINIMUM 1" AIR GAP AT DRAIN.

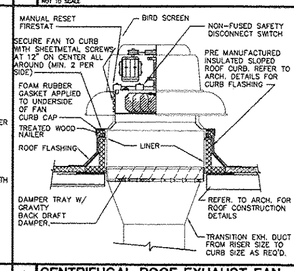
5 COOLING COIL CONDENSATE DRAIN
NOT TO SCALE



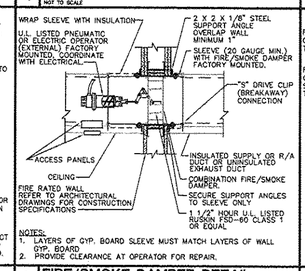
6 RELIEF AIR HOOD
NOT TO SCALE



7 FAN POWERED VAV UNIT DETAIL
NOT TO SCALE

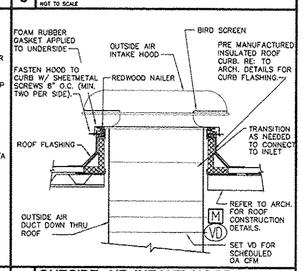


8 CENTRIFUGAL ROOF EXHAUST FAN
NOT TO SCALE

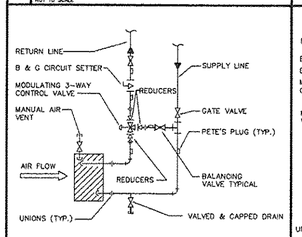


NOTES:
1. LAYERS OF GYP. BOARD SLEEVE MUST MATCH LAYERS OF WALL GYP. BOARD
2. PROVIDE CLEARANCE AT OPERATOR FOR REPAIR.

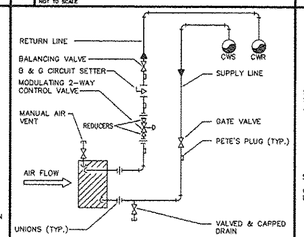
9 FIRE/SMOKE DAMPER DETAIL
NOT TO SCALE



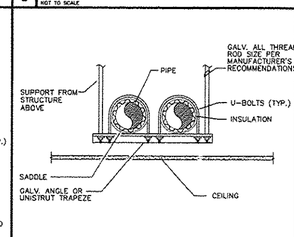
10 OUTSIDE AIR INTAKE HOOD
NOT TO SCALE



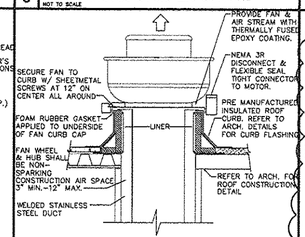
11 3-WAY CONTROL VALVE COIL AND PIPING
NOT TO SCALE



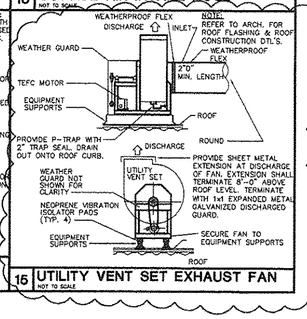
12 2-WAY CONTROL VALVE AND COIL PIPING
NOT TO SCALE



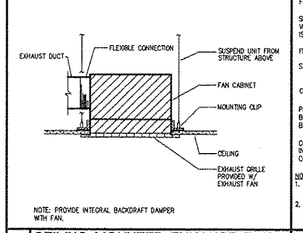
13 PIPE HANGER DETAIL
NOT TO SCALE



14 CENTRIFUGAL UPBLAST EXHAUST FAN
NOT TO SCALE

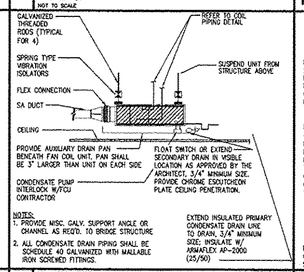


15 UTILITY VENT SET EXHAUST FAN
NOT TO SCALE



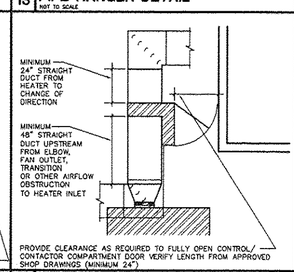
NOTE: PROVIDE INTEGRAL BACKDRAFT DAMPER WITH FAN.

16 CEILING MOUNTED EXHAUST FAN
NOT TO SCALE



NOTES:
1. PROVIDE MISC. GALV. SUPPORT ANGLE OR CHANNEL AS REQ'D. TO BRIDGE STRUCTURE
2. ALL CONDENSATE DRAIN PIPING SHALL BE SCHEDULE 40 GALVANIZED WITH MALLEABLE IRON SCREWED FITTINGS.

17 BLOWER COIL UNIT MOUNTING
NOT TO SCALE



PROVIDE CLEARANCE AS REQUIRED TO FULLY OPEN CONTROL/ CONTACTOR COMPARTMENT DOOR VERIFY LENGTH FROM APPROVED SHOP DRAWINGS (MINIMUM 24").

18 ELECTRIC DUCT HEATER
NOT TO SCALE

Laredo Community College
Second Campus

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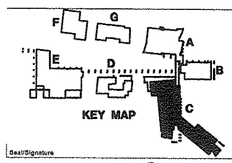
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Landscape Design
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		Issue	Date & Issue Description	By	Check
	--	01	10.11.01		
			SCHEMATIC DESIGN & PRICING		
		02	12.06.01		
			DESIGN DEVELOPMENT		
		03	02.15.02		
			50% C.D. REVIEW		
		04	03.15.02		
			90% C.D. REVIEW		
		05	04.11.02		
			CONSTRUCTION DOCUMENTS		
2		06	05.06.02		
			ADDENDUM No. 2		
3		07	05.10.02		
			ADDENDUM No. 3		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

BRIAN C. UHLRICH
86412
LICENSED PROFESSIONAL ENGINEER
06-12-02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
MECHANICAL DETAILS

Scale
AS NOTED

True North

Ref. North

C-M4.01

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AIR HANDLING UNIT SCHEDULE BLDG "C"

MARK	AHU-1C	AHU-2C	AHU-3C	AHU-4C	AHU-5C	AHU-6C	AHU-7C	AHU-8C
SERVES	1ST FLOOR	1ST FLOOR	1ST FLOOR	1ST FLOOR	2ND FLOOR	2ND FLOOR	2ND FLOOR	2ND FLOOR
TYPE	HOT-VAV	HOT-VAV	HOT-VAV	HOT-VAV	HOT-VAV	HOT-VAV	HOT-VAV	HOT-VAV
FAN SECTION AIRFLOW (CFM)	13820	5730	12300	17850	12660	14265	10350	13650
OUTSIDE AIRFLOW (CFM)	3030	740	2800	4480	2150	2885	1570	4510
MAX. FAN RPM	665	920	640	525	690	685	715	525
EXT. SP.(IN. WG) (SA/RA)	1.5	1.25	1.25	1.25	1.25	1.5	1.25	1.25
VOLTS/PH/HZ	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
MOTOR (HP)	15	5	15	15	15	15	10	15
MAX. COIL FACE (FPM)	500	500	500	500	500	500	500	500
MIN. ROWS/ MAX. FINS PER IN.	6/11	6/11	6/11	6/11	6/11	6/11	6/11	6/11
EAT DB/WB	80.2/64.6	77.8/63.0	80.0/64.4	80.6/64.6	78.8/63.8	79.8/64.2	78.2/63.5	80.4/64.5
LAT DB/WB	54/53	54/53	54/53	54/53	54/53	54/53	54/53	54/53
TOTAL SENSIBLE HEAT (MBH)	377.7	145.0	344.8	522.6	370.2	381.5	268.0	553.3
GRAND TOTAL HEAT (MBH)	485.9	155.3	451.3	650.2	503.2	467.0	310.0	677.1
EWT/LWT (°F)	42/56	42/56	42/56	42/56	42/56	42/56	42/56	42/56
CHILLED WATER FLOW (GPM)	68.5	23.6	67.5	92.8	56.2	54.5	45.0	96.7
MAX. WATER PD (FT H_2O)	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
MANUFACTURER	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE
MODEL NO.	MCC-30	MCC-12	MCC-30	MCC-40	MCC-30	MCC-30	MCC-21	MCC-40
APPROX. WEIGHT (LBS.)	3368	1868	3360	4910	3358	3368	2940	4910
NOTES:	2,3	2,3	2,3	2,3	2,3	1,3	2,3	2,3

NOTES:
1.) PROVIDE THREE-WAY CONTROL VALVE AT THE CHILLED WATER COIL OF THIS AIR HANDLING UNIT.
2.) PROVIDE TWO-WAY CONTROL VALVES TO SERVE THIS UNIT.
3.) PROVIDE VARIABLE SPEED DRIVE FOR FAN SPEED CONTROL.
4.) ALL AIR HANDLING UNIT SHALL BE COMPRISED AS FOLLOWS: FAN SECTION, COOLING COIL AND FLAT FILTER SECTION.

FAN SCHEDULE

MARK	EF-1C & 2C	EF-3C,4C,5C	EF-6C	EF-7C,8C,9C,10C	EF-11C,12C,13C,14C	EF-15C & 16C
SERVES	TOILETS	RESTROOMS	RESTROOMS	SCIENCE LABS	SCIENCE LABS	PREP. ROOMS
TYPE/DRIVE	CEILING	CENTR/BELT	CENTR/BELT	VENT SET	CENTR/BELT	CENTR/BELT
CFM	110	1100	750	4400	1120/2240	500/1000
E.S.P. IN W.G.	0.23	0.375	0.375	1.5	1.0	0.75
HORSEPOWER	1/12	1/6	1/6	2.0	3/4	1/4
RPM (MAX.)	1015	1290	1615	1290	1436	1410
SONES (MAX.)	2.4	9.4	10.3	-	18.5	10.9
VOLTS/PHASE/HERTZ	115/1/60	115/1/60	115/1/60	460/3/60	460/3/60	115/1/60
MANUFACTURER	COOK	COOK	COOK	COOK	COOK	COOK
MODEL NUMBER	QC-140	120ACE-B	100ACE-B	195DPV	150ACRU-B	120ACRU-B
NOTES	4,6	1,2,5	1,2,5	5,8,9,10,11,12,13	1,2,5,14	1,2,5,14

NOTES:
1.) PROVIDE PRE-FABRICATED ROOF CURB AND INTEGRAL BACKDRAFT DAMPER WITH FAN.
2.) FAN SHALL BE INTERLOCKED WITH AIR HANDLING UNIT SERVING THIS AREA FOR SIMULTANEOUS OPERATION.
3.) FAN SHALL BE CONTROLLED BY THERMOSTAT MOUNTED ON WALL OF ROOM.
4.) PROVIDE INTEGRAL BACKDRAFT DAMPER AND CEILING EXHAUST GRILLE WITH FAN.
5.) PROVIDE SAFETY DISCONNECT SWITCH WITH FAN.
6.) FAN SHALL CONTROLLED BY SWITCH ON WALL.
7.) FAN SHALL BE INTERLOCKED WITH EXHAUST FAN SERVING FUME HOODS FOR SIMULTANEOUS OPERATION.
8.) PROVIDE VARIABLE FREQUENCY DRIVE WITH FAN.
9.) PROVIDE BELT DRIVE, ALUMINUM HOUSING, GRAVITY DAMPER AND BIRDSCREEN WITH FAN
10.) PROVIDE SPRING VIBRATION ISOLATORS WITH FAN.
11.) PROVIDE EXPLOSION PROOF MOTOR, BACKWARD INCLINED ALUMINUM WHEEL, ALUMINUM RUB RING AND SHAFT SEAL.
12.) PROVIDE FACTORY APPLIED EPOXY COATING.
13.) FAN SHALL BE INTERLOCKED WITH FUME HOOD
14.) PROVIDE 2-SPEED MOTOR WITH FAN. FAN SHALL RUN AT LOW SPEED FOR GENERAL VENTILATION, SECOND SPEED SHALL BE ACTIVATED THROUGH EMERGENCY SWITCH LOCATED AT WALL. RE: SPECIFICATIONS.

BLOWER COIL UNIT SCHEDULE

MARK	BCU-1C,2C & 3C
SERVES	IDF ROOMS
TYPE	HOT-CV
FAN SECTION AIRFLOW (CFM)	600
OUTSIDE AIRFLOW (CFM)	0
MAX. FAN RPM	1750
EXT. SP.(IN. WG)	0.25
VOLTS/PH/HZ	277/1/60
MOTOR (HP)	1/4
HEATING (KW)	N/A
MAX. COIL FACE (FPM)	500
MIN. ROWS/ MAX. FINS PER IN.	4/11
EAT DB/WB	75/62.5
LAT DB/WB	54/52
TOTAL SENSIBLE HEAT (MBH)	13.8
GRAND TOTAL HEAT (MBH)	17.6
EWT/LWT (°F)	42/56
CHILLED WATER FLOW (GPM)	5.19
MAX. WATER PD (FT H_2O)	8.0
MANUFACTURER	TRANE
MODEL NO.	BCHB018
APPROX. WEIGHT (LBS.)	250
NOTES:	1

NOTES:
1.) PROVIDE UNIT WITH 2-WAY CONTROL VALVE.

AIR DEVICE SCHEDULE

MARK	MANUFACTURER & MODEL	TYPE	NC	REMARKS
A	TITUS & OMNI	24"x24" SQUARE PANEL SUPPLY AIR DIFFUSER	30	ALUMINUM CONSTRUCTION; PROVIDE ROUND NECK SIZE PER NOTE 1 BELOW UNLESS NOTED OTHERWISE ON PLAN.
B	TITUS & PAR	24"x24" PERFORATED FACE RETURN/EXHAUST GRILLE	25	ALUMINUM CONSTRUCTION; PROVIDE 22"x22" NECK OR ROUND NECK SIZE AS NOTED ON PLAN. PROVIDE OPPOSED BLADE DAMPER FOR GRILLE USED FOR EXHAUST.
C	TITUS & OMNI	12"x12" SQUARE PANEL SUPPLY AIR DIFFUSER	25	ALUMINUM CONSTRUCTION; PROVIDE ROUND NECK SIZE PER NOTE 1 BELOW UNLESS NOTED OTHERWISE ON PLAN.
D	TITUS & PAR	12"x12" PERFORATED FACE EXHAUST GRILLE	25	ALUMINUM CONSTRUCTION; PROVIDE ROUND NECK SIZE AS NOTED ON PLAN. PROVIDE OPPOSED BLADE DAMPER FOR GRILLE USED FOR EXHAUST.
E	TITUS & 272 RS	AEROBLADE DOUBLE DEFLECTION SUPPLY GRILLE WITH 3/4" BLADE SPACING	25	ALUMINUM CONSTRUCTION; PROVIDE 3/4" BLADE SPACING. PROVIDE OPPOSED BLADE DAMPER AT NECK OF SUPPLY GRILLE PROVIDE NECK SIZE AS NOTED ON PLAN
F	TITUS & 350FL	RETURN/EXHAUST AIR GRILLE	25	ALUMINUM CONSTRUCTION; PROVIDE 3/4" BLADE SPACING. PROVIDE OPPOSED BLADE DAMPER AT NECK OF EXHAUST GRILLES; PROVIDE NECK SIZE AS NOTED ON PLAN
G	TITUS & ML-39	MODULINEAR SLOT DIFFUSER WITH 1" WIDE SLOTS TWO SLOTS LENGTH 3 FT.	30	PROVIDE ROUND NECK SIZE AS NOTED; PROVIDE INSULATED SUPPLY PLENUM. PROVIDE BORDERS AND MOUNTING FRAMES; ACCORDING CEILING TYPE: RE: ARCHITECTURAL DRAWINGS WHITE FINISH.
H	TITUS & FL-10-JT	FLOWBAR ARCHITECTURAL LINEAR DIFFUSER WITH 1" WIDE CONTINUOUS SLOT. LENGTH AS NOTED ON PLAN.	25	PROVIDE BORDERS AND MOUNTING FRAMES ACCORDING TO CEILING TYPE: RE: ARCHITECTURAL DRAWINGS.
I	NA	CUSTOM FABRICATED SHEET METAL PLENUM WITH 1" INTERNAL INSULATION	25	PROVIDE ROUND NECK SIZE AS NOTED ON PLAN. LENGTH OF PLENUM AS NOTED ON PLAN. CONNECT PLENUM TO NECK OF SLOT DIFFUSER AS SHOWN ON PLAN. RE: #/C-M4.1

NOTES: 1.) PROVIDE ROUND NECK SIZES FOR SUPPLY AIR DIFFUSERS AS FOLLOWS:
0 – 100 CFM 6"ø NECK
105 – 220 CFM 8"ø NECK
225 – 380 CFM 10"ø NECK
385 – 600 CFM 12"ø NECK

2.) PROVIDE STANDARD WHITE FINISH FOR ALL AIR DEVICES, UNLESS NOTED OTHERWISE ON PLAN.

3.) PAINT ALL SURFACES VISIBLE THROUGH FACE OF RETURN AIR GRILLES FLAT BLACK. THIS SHALL INCLUDE PIPING, CONDUIT, DUCTWORK, AND STRUCTURAL MEMBERS.

4.) PROVIDE FRAME FOR MOUNTING AIR DEVICE IN LAY-IN GRID CEILING UNLESS REFLECTED CEILING PLAN INDICATES HARD CEILING. IN AREAS WITH HARD CEILINGS, PROVIDE FRAMES FOR SURFACE MOUNTING.

5.) UNLESS NOTED OTHERWISE, BRANCH DUCTS SERVING AIR DEVICES SHALL BE SAME SIZE AS NECK OF AIR DEVICE.

RETROFIT TERMINAL UNIT SCHEDULE

MARK	UNIT	DAMPER SIZE	COOLING CFM MAX.	COOLING CFM MIN.	HEATING CFM	MODEL	MFGR.	REMARKS
RT-2C-1	L	30"x12"	3000	690	1500	DGCV	TITUS	1,2
RT-7C-1	J	18"x16"	1850	540	1780	DGCV	TITUS	1,2
RT-8C-1	L	30"x12"	3000	725	1800	DGCV	TITUS	1,2

1.) PROVIDE 120V/24V STEPDOWN TRANSFORMER WITH UNIT.
2.) CONTROLS CONTRACTOR SHALL COORDINATE SEQUENCE WITH ELECTRIC DUCT HEATER.

ELECTRIC DUCT HEATER SCHEDULE

MARK	EDH-2C-1	EDH-7C-1	EDH-8C-1
HEATER TYPE	SUP-IN	SUP-IN	SUP-IN
CAPACITY (KW)	15	15	15
DUCT DIMENSION WxH (INSIDE)	RE:DWGS	RE:DWGS	RE:DWGS
VOLTS/PHASE/HERTZ	460/3/60	460/3/60	460/3/60
NUMBER OF STAGES	3	3	3
MANUFACTURER	REDDI	REDDI	REDDI
MODEL	R	R	R
NOTES	1,2,3,4	1,2,3,4	1,2,3,4

NOTE:
1.) PROVIDE 24 VOLT CONTROL CIRCUIT.
2.) PROVIDE HEATER WITH AN AIRFLOW SWITCH IN THE HEATER PANEL.
3.) COORDINATE SEQUENCE OF OPERATION WITH CONTROLS CONTRACTOR.
4.) REFER TO RETROFIT TERMINAL UNIT SCHEDULE FOR MINIMUM AIRFLOW ON HEATING MODE.

MINI-MATE2 SYSTEM SCHEDULE

MARK	LIEU-1C
SERVES	MDF ROOM
TYPE	MINI-MATE2
FAN AIRFLOW (CFM)	1250
EXT. SP.(IN. WG)	0.3
VOLTS/PH/HZ	277/1/60
MOTOR (HP)	1/2
MAX. COIL FACE (FPM)	391
MIN. COIL ROWS	3
EAT DB/WB	80/67
TOTAL SENSIBLE HEAT (MBH)	32
GRAND TOTAL HEAT (MBH)	42.6
CHILLED WATER FLOW (GPM)	8.5
MAX. WATER PD (FT H_2O)	11.1
MANUFACTURER	LIEBERT
MODEL NO.	MM040C
APPROX. WEIGHT (LBS.)	350
NOTES:	1,2

NOTES:
1.) PROVIDE TWO-WAY CONTROL VALVE TO SERVE THIS UNIT.
2.) PROVIDE CANNISTER HUMIDIFIER WITH UNIT.

MECHANICAL LEGEND

SYMBOL	
	NEW DUCTWORK
	NEW PIPING
	PIPING EXPANSION JOINT
	PIPE ANCHOR POINT
	PIPE ALIGNMENTS
	NEW SUPPLY AIR DIFFUSER
MD	MANUAL VOLUME DAMPER
	NEW RETURN AIR GRILLE
TS	TEMPERATURE SENSOR; RE: SPECIFICATIONS
A 12"ø 300	AIR DEVICE SYMBOL, NECK SIZE, AND AIRFLOW (CFM)
CD	COMBINATION FIRE AND SMOKE DAMPER
BD	BACKDRAFT DAMPER
M	MOTORIZED DAMPER
RE: #1/M2.1	REFER TO DETAIL 1 ON SHEET M2.1.
S	DUCT-MOUNTED SMOKE DETECTOR
CD	CONDENSATE DRAIN PIPING
CHS	CHILLED WATER SUPPLY PIPING
CHR	CHILLED WATER RETURN PIPING
	SCHEDULED NEW DIFFUSER FLEXIBLE ROUND DUCT RIGID ROUND DUCT SPIN-IN FITTING WITH VOLUME DAMPER NEW TRUNK DUCT

FAN POWERED TERMINAL SCHEDULE

MARK	SIZE			CFM		STATIC PRESSURE			NC LEVELS		FAN	ELECTRIC HEAT COIL			MODEL	MFGR.
	UNIT	INLET	OUTLET	MAX.	MIN.	INLET	DOWN	MIN.	RAD.	DISCH.	HP	CFM	KW	VOLTS/PH.		
AHU-1C																
FPT-1C-1	03	10	13X16	920	245	0.5"	0.25"	0.17	29	14	1/4	920	6	480/3/60	DTQS	TITUS
FPT-1C-2	05	12	15X20	1350	375	0.5"	0.25"	0.13	32	18	1/3	1350	8	480/3/60	DTQS	TITUS
FPT-1C-3	03	12	13X16	1140	450	0.5"	0.25"	0.16	31	17	1/4	1140	8	480/3/60	DTQS	TITUS
FPT-1C-4	05	12	15X20	1350	375	0.5"	0.25"	0.13	32	18	1/3	1350	8	480/3/60	DTQS	TITUS
FPT-1C-5	03	12	13X16	1140	450	0.5"	0.25"	0.16	31	17	1/4	1140	8	480/3/60	DTQS	TITUS
FPT-1C-6	03	10	13X16	745	230	0.5"	0.25"	0.11	27	11	1/4	745	5	277/1/60	DTQS	TITUS
FPT-1C-7	03	10	13X16	725	230	0.5"	0.25"	0.10	26	11	1/4	725	5	277/1/60	DTQS	TITUS
FPT-1C-8	05	12	15X20	1300	375	0.5"	0.25"	0.12	32	18	1/3	1300	8	480/3/60	DTQS	TITUS
FPT-1C-9	05	12	15X20	1260	375	0.5"	0.25"	0.11	31	18	1/3	1260	8	480/3/60	DTQS	TITUS
FPT-1C-10	03	12	13X16	1190	375	0.5"	0.25"	0.18	32	18	1/4	1190	8	480/3/60	DTQS	TITUS
FPT-1C-11	05	12	15X20	1350	375	0.5"	0.25"	0.13	32	18	1/3	1350	8	480/3/60	DTQS	TITUS
FPT-1C-12	05	12	15X20	1350	375	0.5"	0.25"	0.13	32	18	1/3	1350	8	480/3/60	DTQS	TITUS
AHU-2C																
FPT-2C-1	03	12	13X16	1240	375	0.5"	0.25"	0.2	32	18	1/4	1240	8	480/3/60	DTQS	TITUS
FPT-2C-2	03	10	13X16	770	230	0.5"	0.25"	0.12	26	13	1/4	770	5	277/1/60	DTQS	TITUS
FPT-2C-3	03	10	13X16	720	230	0.5"	0.25"	0.10	26	11	1/4	720	5	277/1/60	DTQS	TITUS
AHU-3C																
FPT-3C-1	05	12	15X20	1300	375	0.5"	0.25"	0.12	32	18	1/3	1300	8	480/3/60	DTQS	TITUS
FPT-3C-2	05	12	15X20	1350	375	0.5"	0.25"	0.13	32	18	1/3	1350	8	480/3/60	DTQS	TITUS
FPT-3C-3	03	12	13X16	1200	375	0.5"	0.25"	0.18	32	17	1/3	1200	8	480/3/60	DTQS	TITUS
FPT-3C-4	05	12	15X20	1500	375	0.5"	0.25"	0.16	34	20	1/3	1500	8	480/3/60	DTQS	TITUS
FPT-3C-5	05	12	15X20	1350	375	0.5"	0.25"	0.13	32	18	1/3	1350	8	480/3/60	DTQS	TITUS
FPT-3C-6	03	12	13X16	1000	375	0.5"	0.25"	0.13	29	15	1/4	1000	7	480/3/60	DTQS	TITUS
FPT-3C-7	03	08	13X16	650	230	0.5"	0.25"	0.17	26	10	1/4	650	5	277/1/60	DTQS	TITUS
FPT-3C-8	05	12	15X20	1350	375	0.5"	0.25"	0.13	32	18	1/3	1350	8	480/3/60	DTQS	TITUS
FPT-3C-9	03	12	13X16	1200	375	0.5"	0.25"	0.18	29	17	1/3	1200	8	480/3/60	DTQS	TITUS
FPT-3C-10	02	08	13X16	550	145	0.5"	0.25"	0.12	29	23	1/8	550	4	277/1/60	DTQS	TITUS
FPT-3C-11	05	12	15X20	1350	375	0.5"	0.25"	0.13	32	18	1/3	1350	8	480/3/60	DTQS	TITUS
AHU-4C																
FPT-4C-1	06	14	15X20	2000	580	0.5"	0.25"	0.18	37	20	3/4	2000	16	480/3/60	DTQS	TITUS
FPT-4C-2	05	12	15X20	1500	375	0.5"	0.25"	0.16	34	20	1/3	1500	8	480/3/60	DTQS	TITUS
FPT-4C-3	06	14	15X20	1680	580	0.5"	0.25"	0.15	35	22	3/4	1880	15	480/3/60	DTQS	TITUS
FPT-4C-4	06	14	15X20	1680	580	0.5"	0.25"	0.15	35	22	3/4	1880	15	480/3/60	DTQS	TITUS
FPT-4C-5	05	12	15X20	1330	375	0.5"	0.25"	0.13	32	18	1/3	1330	8	480/3/60	DTQS	TITUS
FPT-4C-6	03	12	13X16	1040	375	0.5"	0.25"	0.14	29	15	1/4	1040	7	480/3/60	DTQS	TITUS
FPT-4C-7	06	14	15X20	1880	580	0.5"	0.25"	0.15	35	22	3/4	1880	15	480/3/60	DTQS	TITUS
FPT-4C-8	03	12	13X16	1190	375	0.5"	0.25"	0.18	32	18	1/4	1190	8	480/3/60	DTQS	TITUS
FPT-4C-9	03	12	13X16	1000	375	0.5"	0.25"	0.13	29	15	1/4	1000	7	480/3/60	DTQS	TITUS
FPT-4C-10	02	08	13X16	550	145	0.5"	0.25"	0.12	29	15	1/8	550	4	277/1/60	DTQS	TITUS
FPT-4C-11	06	12	13X16	1250	375	0.5"	0.25"	0.2	32	18	1/4	1250	8	480/3/60	DTQS	TITUS
FPT-4C-12	03	12	13X16	1000	375	0.5"	0.25"	0.13	29	15	1/4	1000	7	480/3/60	DTQS	TITUS
FPT-4C-13	05	12	15X20	1500	375	0.5"	0.25"	0.16	34	20	1/3	1500	8	480/3/60	DTQS	TITUS
AHU-5C																
FPT-5C-1	06	14	15X20	1900	580	0.5"	0.25"	0.16	36	19	3/4	1900	13	480/3/60	DTQS	TITUS
FPT-5C-2	06	14	15X20	1800	580	0.5"	0.25"	0.14	34	19	3/4	1800	12	480/3/60	DTQS	TITUS
FPT-5C-3	06	14	15X20	1800	580	0.5"	0.25"	0.14	34	19	3/4	1800	12	480/3/60	DTQS	TITUS
FPT-5C-4	06	14	15X20	1860	580	0.5"	0.25"	0.15	35	22	3/4	1860	12	480/3/60	DTQS	TITUS
FPT-5C-5	06	14	15X20	1900	580	0.5"	0.25"	0.16	36	19	3/4	1900	13	480/3/60	DTQS	TITUS
FPT-5C-6	05	12	15X20	1375	375	0.5"	0.25"	0.13	33	19	1/3	1375	9	480/3/60	DTQS	TITUS
FPT-5C-7	03	10	13X16	825	325	0.5"	0.25"	0.14	28	13	1/4	825	6	480/3/60	DTQS	TITUS
FPT-5C-8	03	12	15X20	1200	375	0.5"	0.25"	0.18	32	17	1/3	1200	8	480/3/60	DTQS	TITUS
AHU-6C																
FPT-6C-1	06	14	15X20	1900	580	0.5"	0.25"	0.16	36	19	3/4	1900	13	480/3/60	DTQS	TITUS
FPT-6C-2	06	14	15X20	1800	580	0.5"	0.25"	0.14	34	19	3/4	1800	12	480/3/60	DTQS	TITUS
FPT-6C-3	06	14	15X20	1900	580	0.5"	0.25"	0.16	36	19	3/4	1900	13	480/3/60	DTQS	TITUS
FPT-6C-4	06	14	15X20	1800	580	0.5"	0.25"	0.14	34	19	3/4	1800	12	480/3/60	DTQS	TITUS
FPT-6C-5	06	14	15X20	1800	580	0.5"	0.25"	0.14	34	19	3/4	1800	12	480/3/60	DTQS	TITUS
FPT-6C-6	06	14	15X20	1900	580	0.5"	0.25"	0.16	36	19	3/4	1900	13	480/3/60	DTQS	TITUS
FPT-6C-7	03	10	13X16	825	325	0.5"	0.25"	0.14	28	13	1/4	825	6	480/3/60	DTQS	TITUS
FPT-6C-8	03	12	13X16	1240	375	0.5"	0.25"	0.2	32	18	1/4	1240	8	480/3/60	DTQS	TITUS
FPT-6C-9	03	12	13X16	1100	375	0.5"	0.25"	0.15	30	16	1/4	1100	7	480/3/60	DTQS	TITUS
AHU-7C																
FPT-7C-1	06	14	15X20	1800	580	0.5"	0.25"	0.14	34	19	3/4	1800	12	480/3/60	DTQS	TITUS
FPT-7C-2	03	10	13X16	890	325	0.5"	0.25"	0.16	29	14	1/4	860	6	480/3/60	DTQS	TITUS
FPT-7C-3	05	12	15X20	1380	375	0.5"	0.25"	0.13	33	19	1/3	1380	9	480/3/60	DTQS	TITUS
FPT-7C-4	03	12	13X16	1100	375	0.5"	0.25"	0.15	30	16	1/4	1100	7	480/3/60	DTQS	TITUS
FPT-7C-5	05	12	15X20	1380	375	0.5"	0.25"	0.13	33	19	1/3	1380	9	480/3/60	DTQS	TITUS
FPT-7C-6	03	12	15X20	1200	375	0.5"	0.25"	0.18	32	17	1/3	1200	8	480/3/60	DTQS	TITUS
FPT-7C-7	03	10	13X16	750	230	0.5"	0.25"	0.11	27	11	1/4	750	5	277/1/60	DTQS	TITUS
AHU-8C																
FPT-8C-1	03	12	13X16	1080	375	0.5"	0.25"	0.15	30	16	1/4	1080	7	480/3/60	DTQS	TITUS
FPT-8C-2	06	14	15X20	1900	580	0.5"	0.25"	0.16	36	19	3/4	1900	13	480/3/60	DTQS	TITUS
FPT-8C-3	06	14	15X20	1900	580	0.5"	0.25"	0.16	36	19	3/4	1900	13	480/3/60	DTQS	TITUS
FPT-8C-4	06	14	15X20	1900	580	0.5"	0.25"	0.16	36	19	3/4	1900	13	480/3/60	DTQS	TITUS
FPT-8C-5	06	14	15X20	1900	580	0.5"	0.25"	0.16	36	19	3/4	1900	13	480/3/60	DTQS	TITUS
FPT-8C-6	03	12	13X16	1080	375	0.5"	0.25"	0.15	30	16	1/4	1080	7	480/3/60	DTQS	TITUS
FPT-8C-7	02	08	13X16	500	145	0.5"	0.25"	0.11	29	23	1/8	500	4	277/1/60	DTQS	TITUS
FPT-8C-8	03	12	13X16	1080	375	0.5"	0.25"	0.15	30	16	1/4	1080	7	480/3/60	DTQS	TITUS
FPT-8C-9	05	14	15X20	1600	450	0.5"	0.25"	0.11	34	21	1/3	1600	10	480/3/60	DTQS	TITUS
FPT-8C-10	05	14	15X20	1600	450	0.5"	0.25"	0.11	34	21	1/3	1600	10	480/3/60	DTQS	TITUS
FPT-8C-11	03	10	13X16	960	375	0.5"	0.25"	0.18	29	15	1/4	960	7	480/3/60	DTQS	TITUS
FPT-8C-12	03	12	13X16	1080	375	0.5"	0.25"	0.15	30	16	1/4	1080	7	480/3/60	DTQS	TITUS

NOTES:
1.) ROOM NC LEVEL SHOWN INCLUDES ATTENUATION TRANSFER FUNCTIONS OBTAINED FROM TABLES IN AIR STANDARD 885-89.
2.) SOUND DATA SHALL BE OBTAINED FROM TESTS CONDUCTED IN ACCORDANCE WITH ARI STANDARD 880-94.
3.) PROVIDE STEP DOWN TRANSFORMER WITH FAN POWERED TERMINAL.
4.) PROVIDE SINGLE POINT ELECTRICAL CONNECTION TO CONTROL PANEL OF FAN POWERED TERMINAL.

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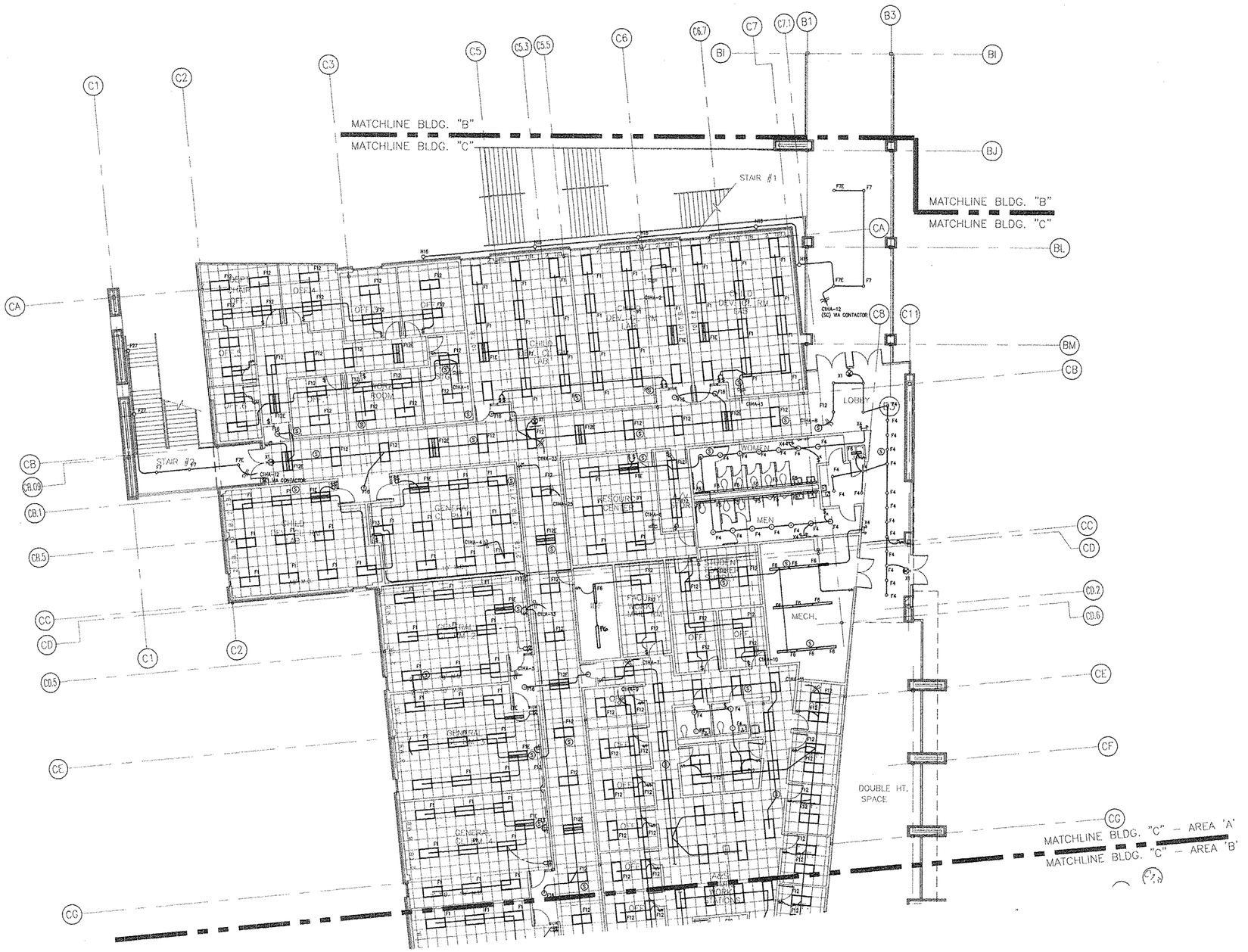
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		Issue	Date & Issue Description	By	Check



1 E2.01AL BLDG. C - LIGHTING PLAN - FIRST LEVEL - AREA 'A'
1/8" = 1'-0"

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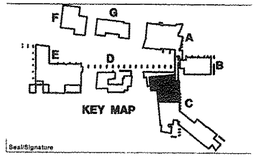
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Issue	Date & Issue Description	By	Check
01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

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JUN 18 2002
CONSTRUCTION



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Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

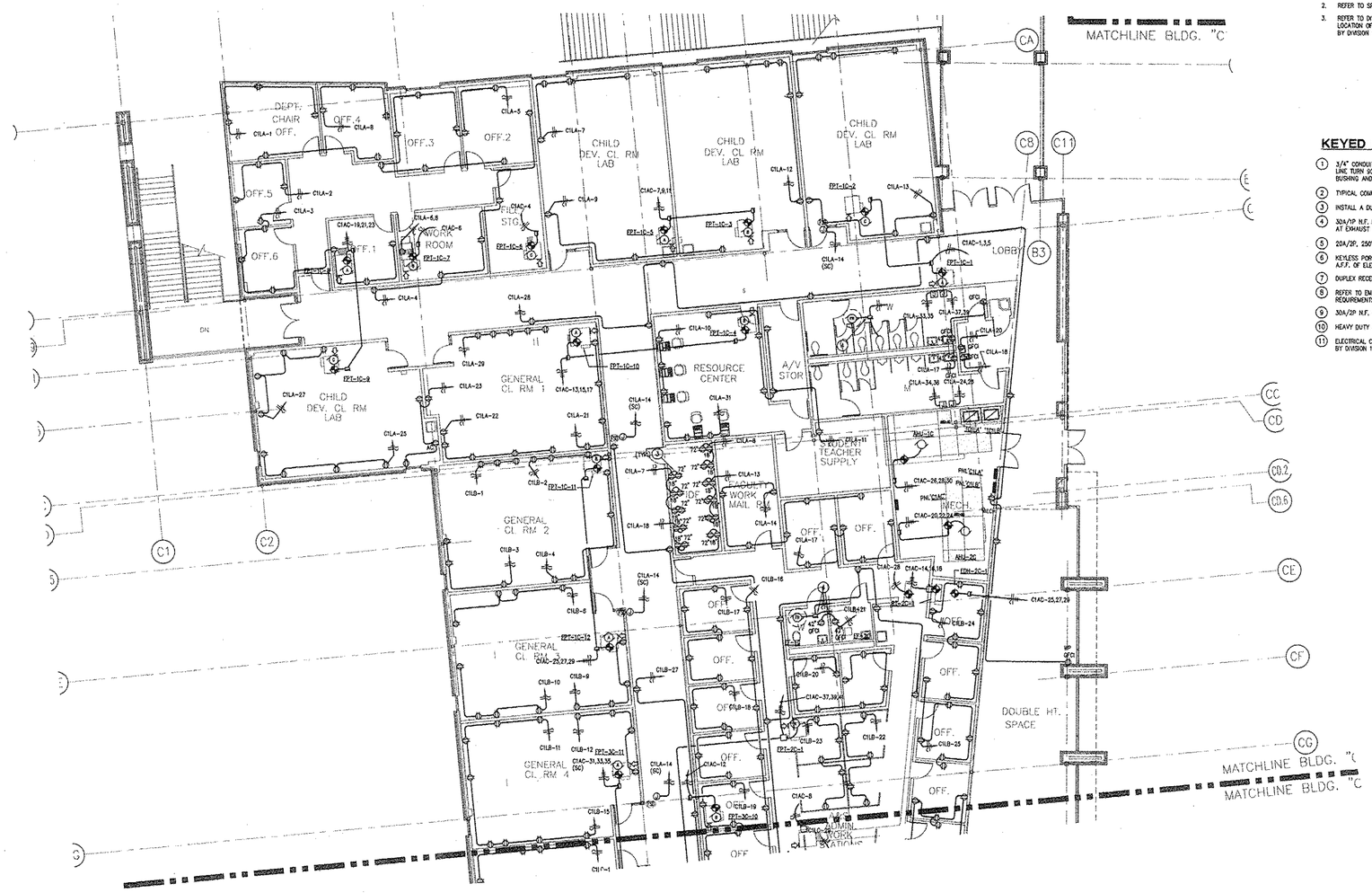
Description
BUILDING C – AREA A
LIGHTING PLAN – FIRST LEVEL

Scale
1/8" = 1'-0"

True North
Ref. North

C-E2.01AL

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1 / E2.01AP BLDG. C - POWER PLAN - FIRST LEVEL - AREA 'A'

1/8" = 1'-0"

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN FOR DATA/COMMUNICATION OUTLETS. ROUGH-IN SHALL CONSIST OF 4" SQ. X 2 1/8" D. JUNCTION BOX WITH SINGLE GANG PLASTER RING. PROVIDE 3/4" C. WITH PULL STRING FROM JUNCTION BOX TO INSULATED BUSHING AT CONDUIT END IN ACCESSIBLE CEILING.
2. REFER TO SPECIFICATIONS FOR FLOOR BOX TYPE AND HARDWARE REQUIREMENTS.
3. REFER TO DIVISION 17 (TELECOM/DATA) PLANS AND SPECIFICATIONS FOR LOCATION OF DEVICE BOXES. EMPTY CONDUITS W/ PULLWIRE TO BE INSTALLED BY DIVISION 16 CONTRACTOR.

KEYED NOTES:

1. 3/4" CONDUIT UNDERFLOOR FOR DATA CALE. EXTEND CONDUIT TO 6" ABOVE CEILING LINE TURN 90 AND STUB 6" MIN FROM RADIUS OF TURN. PROVIDE NEOPRENE BUSHING AND PULL WIRE. (TYP)
2. TYPICAL COMMUNICATION TELEVISION POWER OUTLET INSTALLED AT 84" A.F.F.
3. INSTALL A DUPLEX OUTLET AT 18" AND 72" A.F.F.
4. 30A/7P N.F. DISCONNECT SWITCH ABOVE CEILING FOR EXHAUST FAN. PROVIDE RELAY AT EXHAUST FAN TO INTERLOCK IT WITH THE AIR HANDLING UNIT.
5. 20A/2P, 250V,ø SINGLE RECEPTACLE.
6. KEYLESS PORCELINE SOCKET BASE WITH 100W/MG LAMP AND WIRE GUARD AT 5'-0" A.F.F. OF ELEVATOR PIT.
7. DUPLEX RECEPTACLE AT 48 A.F.F. OF ELEVATOR PIT.
8. REFER TO EMERGENCY FLUID SUMP DETAIL FOR POWER, CONTROL AND CONDUIT REQUIREMENTS FOR SUMP PUMP AND ALARM.
9. 30A/2P N.F. DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTS AND POWER.
10. HEAVY DUTY DISCONNECT SWITCH FOR ELEVATOR POWER UNIT.
11. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTION TO VTD UNIT FURNISHED BY DIVISION 15.

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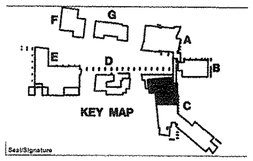
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—	01	10.11.01		
		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		

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JUN 1 8 2002
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STATE OF TEXAS
DOUGLAS W. SCHULTE
80707
REGISTERED
PROFESSIONAL ENGINEER
4/11/2002

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C - AREA A
POWER PLAN - FIRST LEVEL

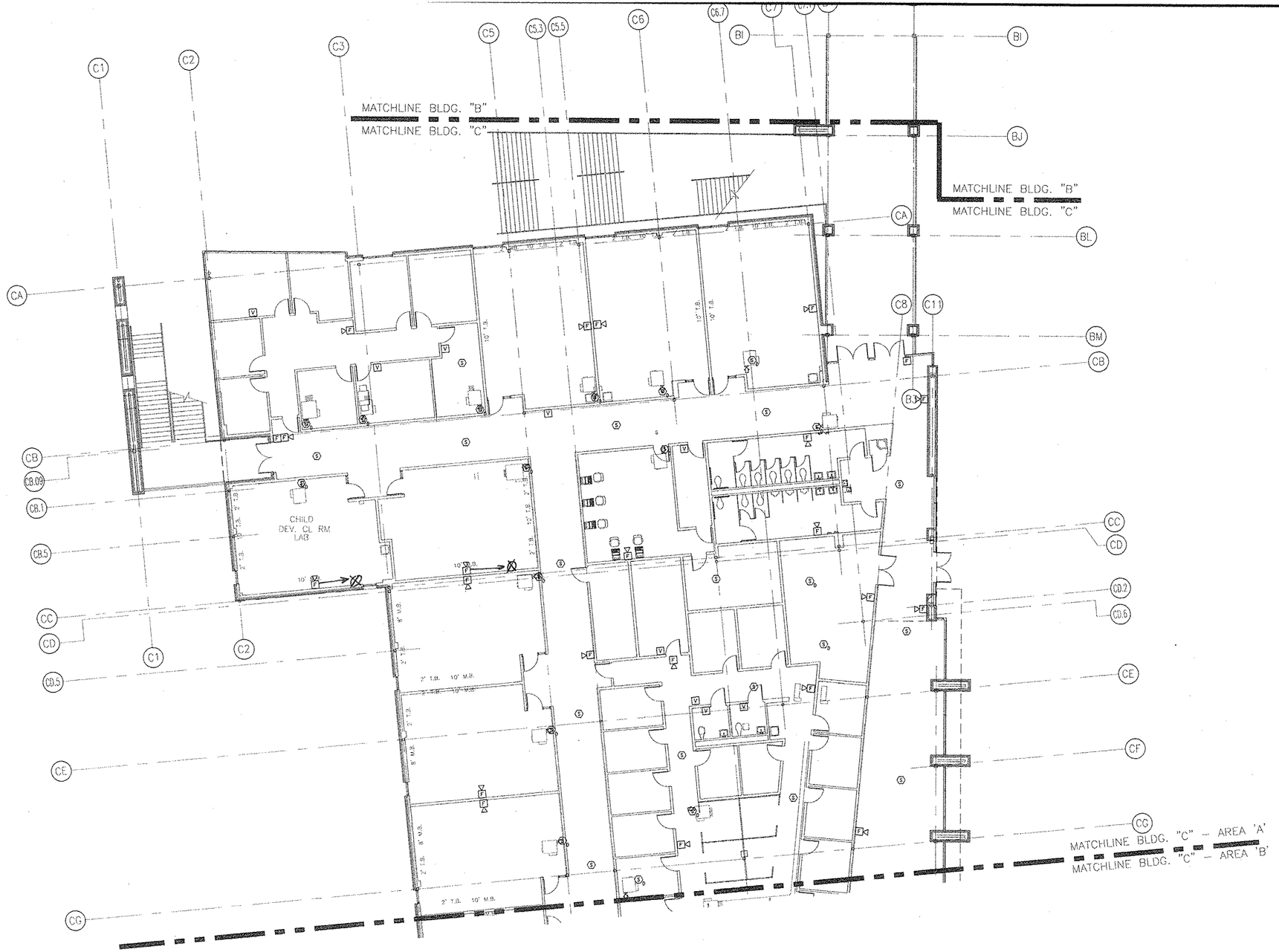
Scale
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True North

Ref. North

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1 / C-E2.01AF — BLDG. C - FIRE ALARM PLAN - FIRST LEVEL - AREA 'A'
1/8" = 1'-0"

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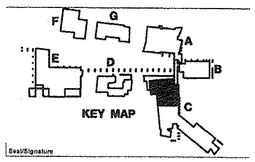
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Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C – AREA A
FIRE ALARM PLAN – FIRST LEVEL

Scale
1/8" = 1'-0"

True North
Ref. North

C-E2.01AF

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1 BLDG. C - LIGHTING PLAN - FIRST LEVEL - AREA 'B'
C-2.01B 1/8" = 1'-0"

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Food Service Consultant
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Houston, TX 77042
(713) 784.3212/ (713) 784.2933 Fax

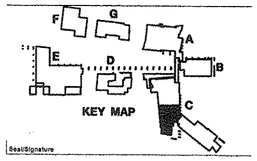
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△	Issue	Date & Issue Description	By	Check
---	01	10.11.01		
		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C – AREA B
LIGHTING PLAN – FIRST LEVEL

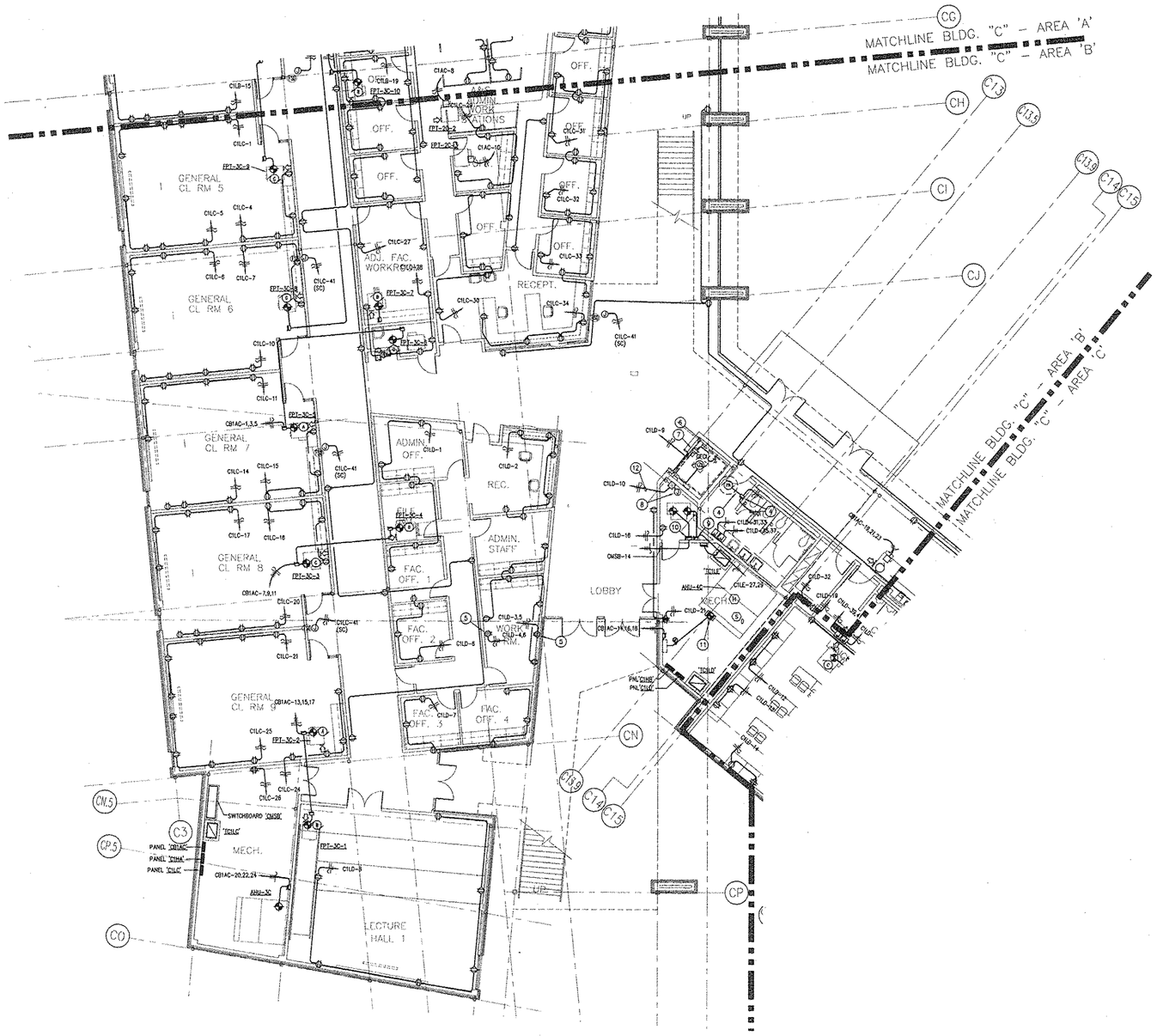
Scale
1/8" = 1'-0"

True North

Ref. North

C-E2.01BL

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1 / L2.01BP — BLDG. C - POWER PLAN - FIRST LEVEL - AREA 'B'

1/8" = 1'-0"

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN FOR DATA/COMMUNICATION OUTLETS. ROUGH-IN SHALL CONSIST OF 4" SQ. X 2 1/8" D. JUNCTION BOX WITH SINGLE GANG PLASTER RING. PROVIDE 3/4" C. WITH PULL STRING FROM JUNCTION BOX TO INSULATED BUSHING AT CONDUIT END IN ACCESSIBLE CEILING.
2. REFER TO SPECIFICATIONS FOR FLOOR BOX TYPE AND HARDWARE REQUIREMENTS.
3. REFER TO DIVISION 17 (TELECOM/DATA) PLANS AND SPECIFICATIONS FOR LOCATION OF DEVICE BOXES. EMPTY CONDUITS W/ PULLWIRE. TO BE INSTALLED BY DIVISION 16 CONTRACTOR.

KEYED NOTES:

1. 3/4" CONDUIT UNDERFLOOR FOR DATA CALE. EXTEND CONDUIT TO 6" ABOVE CEILING LINE TURN 90 AND STUB 6" MIN FROM RADIUS OF TURN. PROVIDE NEOPRENE BUSHING AND PULL WIRE. (TYP)
2. TYPICAL COMMUNICATION TELEVISION POWER OUTLET INSTALLED AT 84" A.F.F.
3. INSTALL A DUPLEX OUTLET AT 18" AND 72" A.F.F.
4. 30A/1P N.F. DISCONNECT SWITCH ABOVE CEILING FOR EXHAUST FAN. PROVIDE RELAY AT EXHAUST FAN TO INTERLOCK IT WITH THE AIR HANDLING UNIT.
5. 20A/2P, 250V, ⏚ SINGLE RECEPTACLE.
6. KEYLESS PORCELINE SOCKET BASE WITH 100W/A6 LAMP AND WIRE GUARD AT 5'-0" A.F.F. OF ELEVATOR PIT.
7. DUPLEX RECEPTACLE AT 48 A.F.F. OF ELEVATOR PIT.
8. REFER TO EMERGENCY FLUID SUMP DETAIL FOR POWER, CONTROL AND CONDUIT REQUIREMENTS FOR SUMP PUMP AND ALARM.
9. 30A/2P N.F. DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTS AND POWER.
10. HEAVY DUTY DISCONNECT SWITCH FOR ELEVATOR POWER UNIT.
11. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTION TO MTD UNIT FURNISHED BY DIVISION 15.
12. COMBINATION CONTROLLER DISCONNECT SWITCH BY DIVISION 15.

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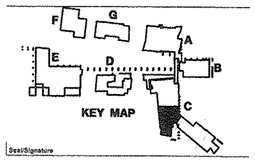
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	Issue	Date & Issue Description	By	Check
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		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		

ISSUE FOR CONSTRUCTION
JUN 1 8 2002



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

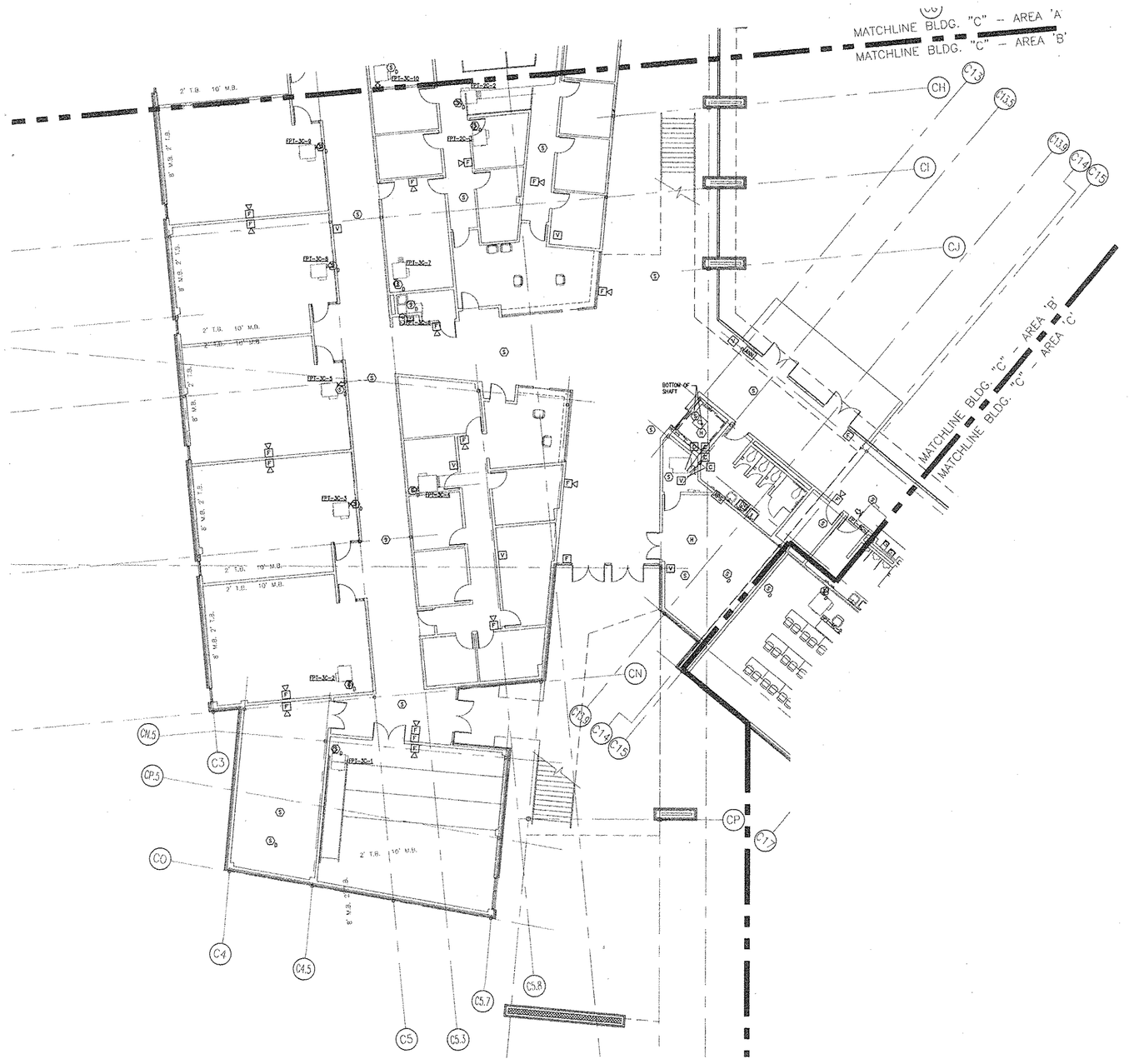
Description
BUILDING C – AREA B
POWER PLAN – FIRST LEVEL

Scale
1/8" = 1'-0"

True North
Ref. North

C-E2.01BP

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1 (C-E2.01BF) BLDG. C - FIRE ALARM PLAN - FIRST LEVEL - AREA 'B'
1/8" = 1'-0"

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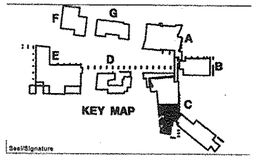
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Issue	Date & Issue Description	By	Check
--- 01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR CONSTRUCTION
JUN 18 2002



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

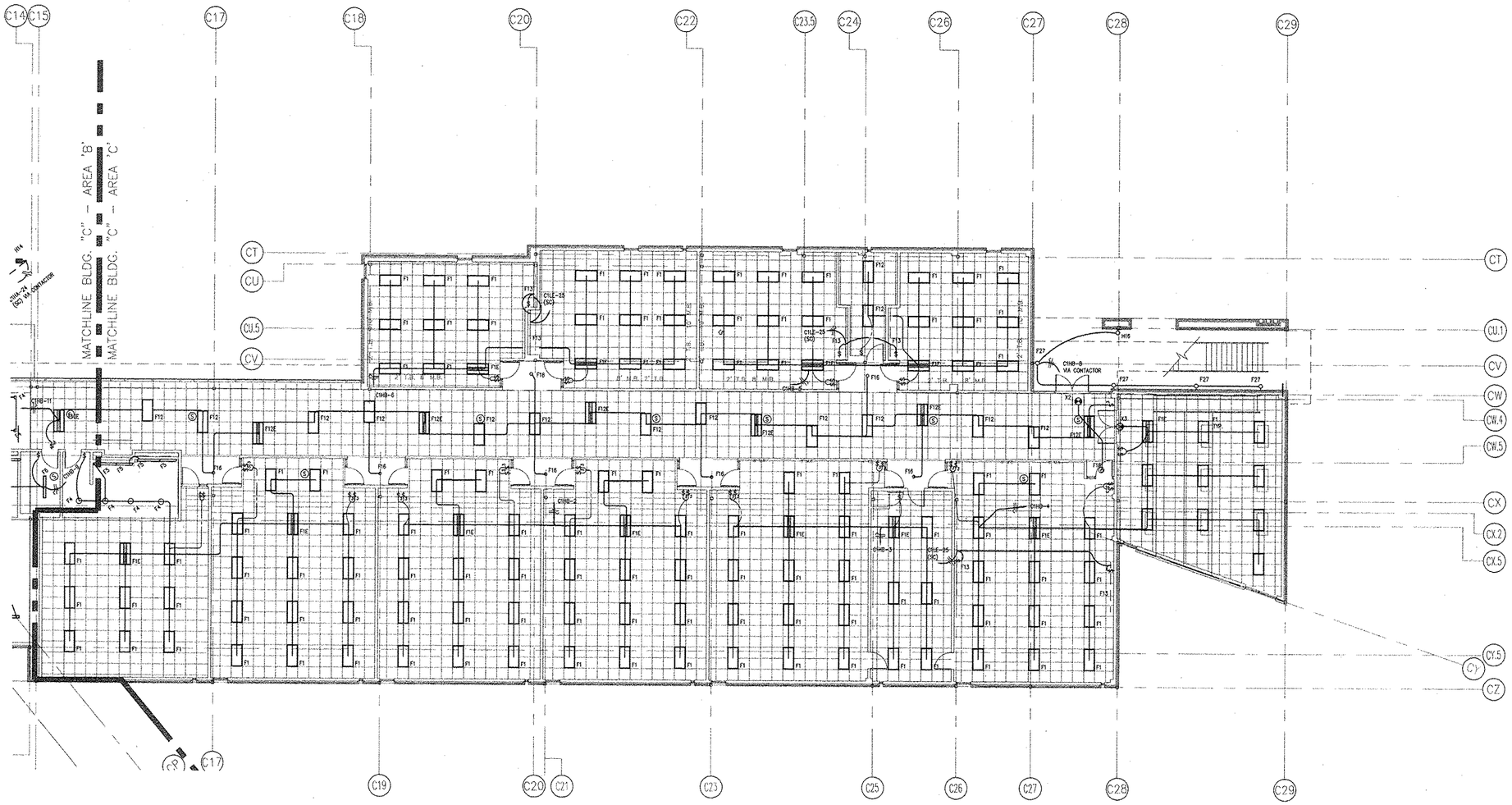
Description
BUILDING C – AREA B
FIRE ALARM PLAN – FIRST LEVEL

Scale
1/8" = 1'-0"

True North
Ref. North

C-E2.01BF

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1 / E2.01CL — BLDG. C - LIGHTING PLAN - FIRST LEVEL - AREA 'C'
1/8" = 1'-0"

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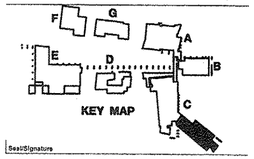
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	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



KEY MAP

Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

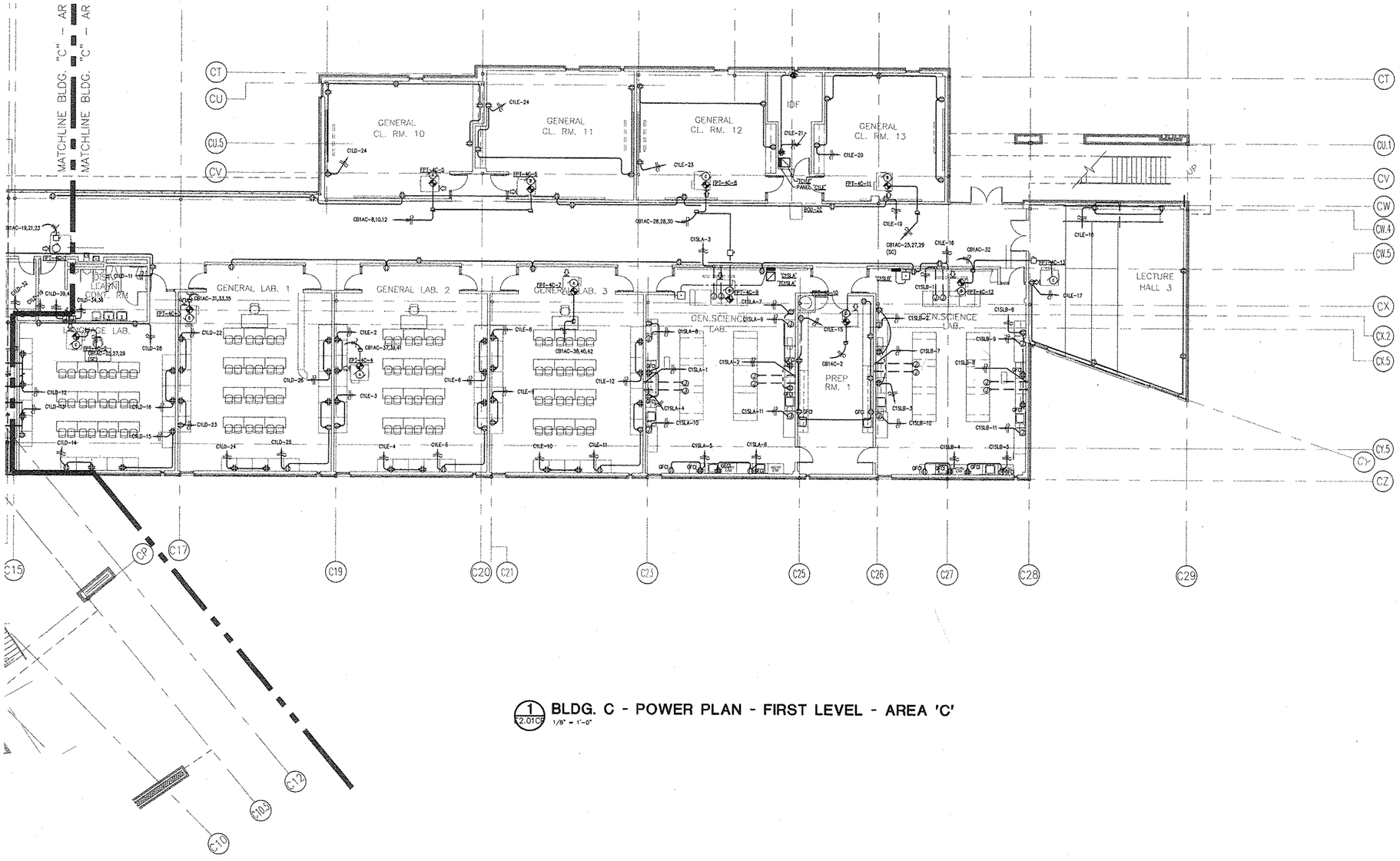
Description
BUILDING C - AREA C
LIGHTING PLAN - FIRST LEVEL

Scale
1/8" = 1'-0"

True North
Ref. North

C-E2.01CL

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GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN FOR DATA/COMMUNICATION OUTLETS. ROUGH-IN SHALL CONSIST OF 4" SQ. X 2 1/8" D. JUNCTION BOX WITH SINGLE GANG PLASTER RING. PROVIDE 3/4" C. WITH PULL STRING FROM JUNCTION BOX TO INSULATED BUSHING AT CONDUIT END IN ACCESSIBLE CEILING.
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KEYED NOTES:

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6. KEYLESS PORCELINE SOCKET BASE WITH 100W/AG LAMP AND WIRE GUARD AT 5'-0" A.F.F. OF ELEVATOR PIT.
7. DUPLEX RECEPTACLE AT 48 A.F.F. OF ELEVATOR PIT.
8. REFER TO EMERGENCY FLUID SUMP DETAIL FOR POWER, CONTROL AND CONDUIT REQUIREMENTS FOR SUMP PUMP AND ALARM.
9. 30A/2P N.F. DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTS AND POWER.
10. HEAVY DUTY DISCONNECT SWITCH FOR ELEVATOR POWER UNIT.
11. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO VFD UNIT FURNISHED BY DIVISION 15.

1 C-E2.01CP — BLDG. C - POWER PLAN - FIRST LEVEL - AREA 'C'
1/8" = 1'-0"

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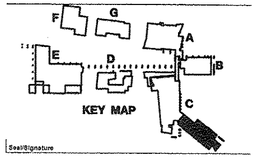
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Issue	Date & Issue Description	By	Check
01	10.11.01 SCHEMATIC DESIGN & PRICING		
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03	02.15.02 50% C.D. REVIEW		
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05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

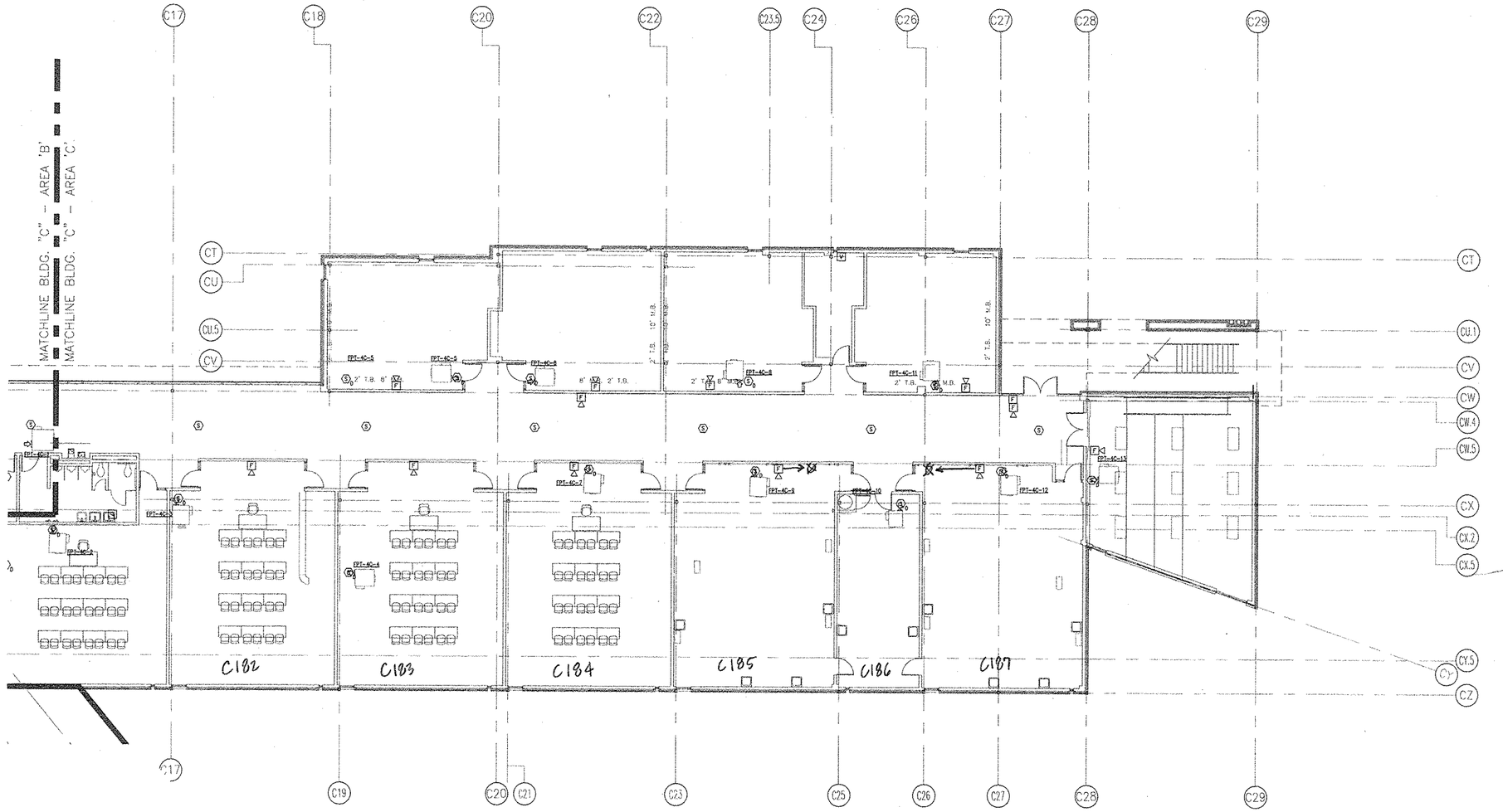
Description
BUILDING C – AREA C
POWER PLAN – FIRST LEVEL

Scale
1/8" = 1'-0"

True North
Ref. North

C-E2.01CP

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1 / E2.01CF BLDG. C - FIRE ALARM PLAN - FIRST LEVEL - AREA 'C'
1/8" = 1'-0"

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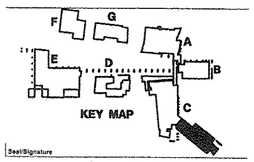
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03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 13 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C – AREA C
FIRE ALARM PLAN – FIRST LEVEL

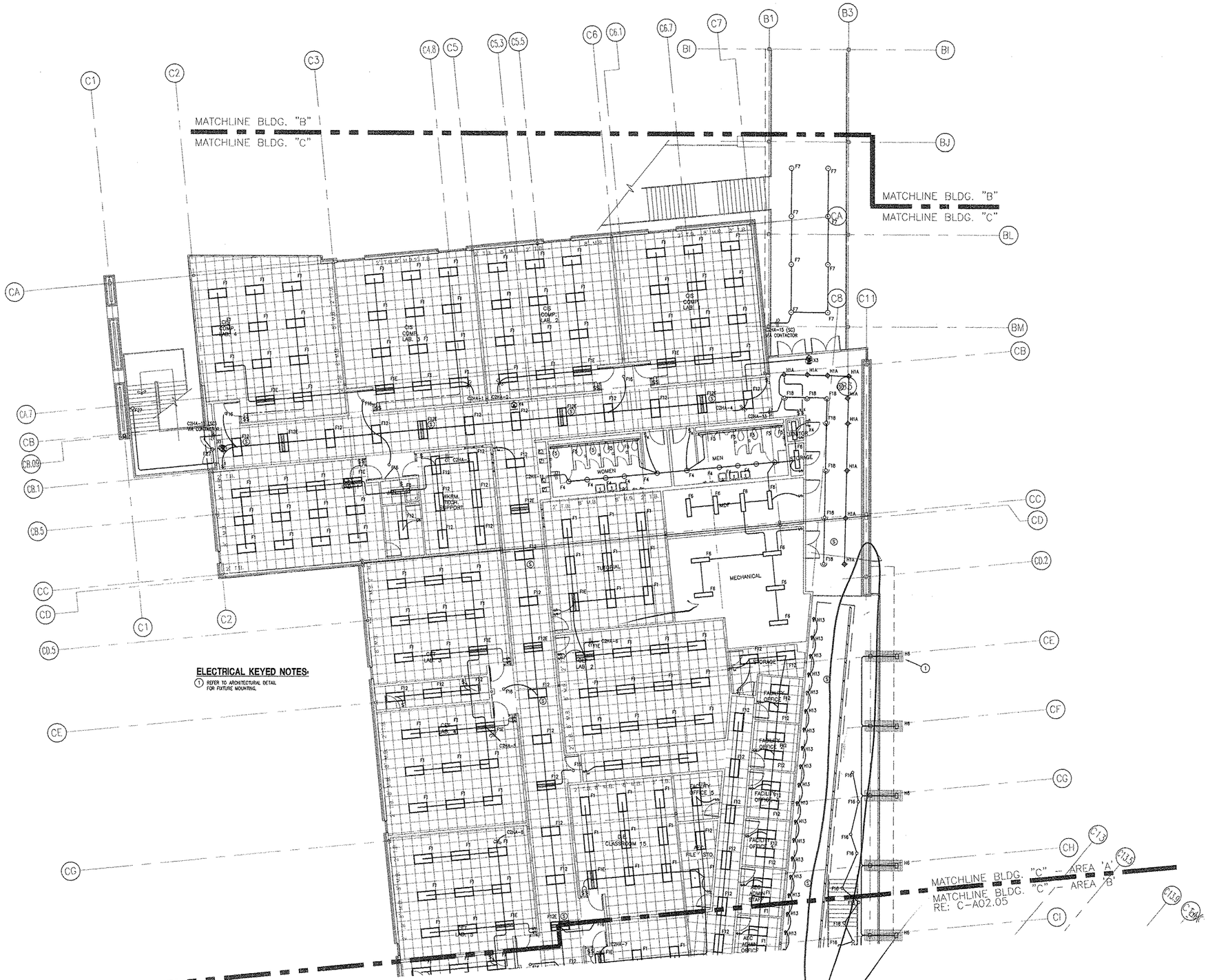
Scale
1/8" = 1'-0"

True North

Ref. North

C-E2.01CF

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1 C-E2.02AL BLDG. C - LIGHTING PLAN - SECOND LEVEL - AREA 'A'
1/8" = 1'-0"

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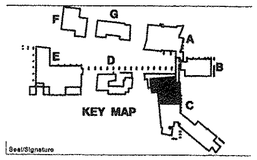
Civil Engineer
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Issue	Date & Issue Description	By	Check
01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

STATE OF TEXAS — 80707 — REGISTERED — 4/1/2002

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

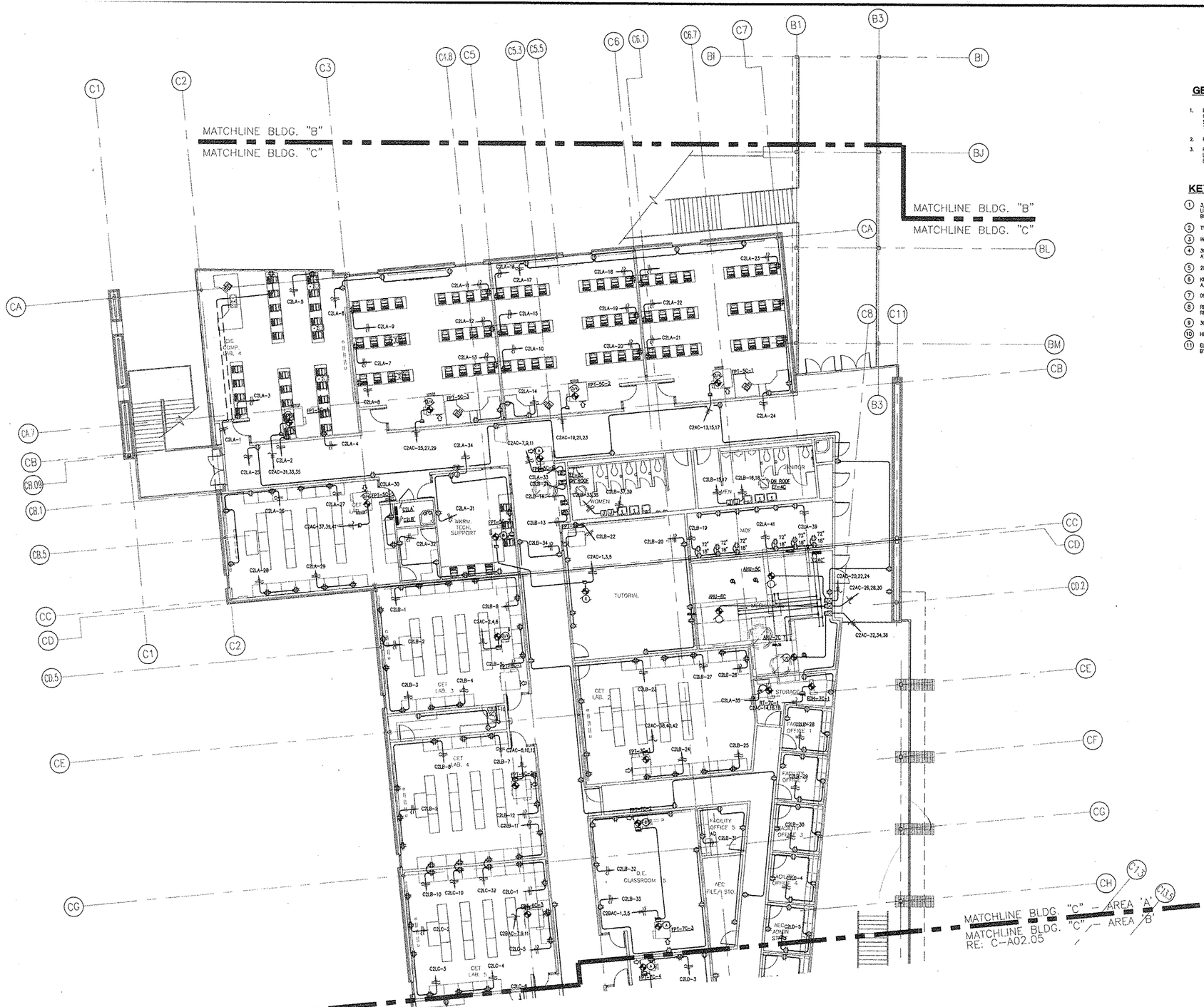
Description
BUILDING C – AREA A
LIGHTING PLAN – SECOND LEVEL

Scale
1/8" = 1'-0"

True North
Ref. North

C-E2.02AL

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1 BLDG. C - POWER PLAN - SECOND LEVEL - AREA 'A'
C-E2.02AP
1/8" = 1'-0"

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN FOR DATA/COMMUNICATION OUTLETS. ROUGH-IN SHALL CONSIST OF 4" SQ. X 2 1/8" D. JUNCTION BOX WITH SINGLE GANG PLASTER RING. PROVIDE 3/4" C. WITH PULL STRING FROM JUNCTION BOX TO INSULATED BUSHING AT CONDUIT END IN ACCESSIBLE CEILING.
2. REFER TO SPECIFICATIONS FOR FLOOR BOX TYPE AND HARDWARE REQUIREMENTS.
3. REFER TO DIVISION 17 (TELECOM/DATA) PLANS AND SPECIFICATIONS FOR LOCATION OF DEVICE BOXES. EMPTY CONDUITS W/ PULLWIRE TO BE INSTALLED BY DIVISION 16 CONTRACTOR.

KEYED NOTES:

1. 3/4" CONDUIT UNDERFLOOR FOR DATA CALE. EXTEND CONDUIT TO 6" ABOVE CEILING LINE TURN 90 AND STUB 6" MIN FROM RADIUS OF TURN. PROVIDE NEOPRENE BUSHING AND PULL WIRE. (TYP)
2. TYPICAL COMMUNICATION TELEVISION POWER OUTLET INSTALLED AT 84" A.F.F.
3. INSTALL A DUPLEX OUTLET AT 18" AND 72" A.F.F.
4. 30A/4P N.F. DISCONNECT SWITCH ABOVE CEILING FOR EXHAUST FAN. PROVIDE RELAY AT EXHAUST FAN TO INTERLOCK IT WITH THE AIR HANDLING UNIT.
5. 20A/2P, 250V, @ SINGLE RECEPTACLE.
6. KEYLESS PORCELINE SOCKET BASE WITH 100W/A/G LAMP AND WIRE GUARD AT 5'-0" A.F.F. OF ELEVATOR PIT.
7. DUPLEX RECEPTACLE AT 48 A.F.F. OF ELEVATOR PIT.
8. REFER TO EMERGENCY FLUID SUMP DETAIL FOR POWER, CONTROL AND CONDUIT REQUIREMENTS FOR SUMP PUMP AND ALARM.
9. 30A/2P N.F. DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTS AND POWER.
10. HEAVY DUTY DISCONNECT SWITCH FOR ELEVATOR POWER UNIT.
11. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTION TO VTD UNIT FURNISHED BY DIVISION 15.

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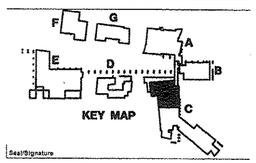
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-- 01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

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~~JUN 18 2002~~
~~CONSTRUCTION~~



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

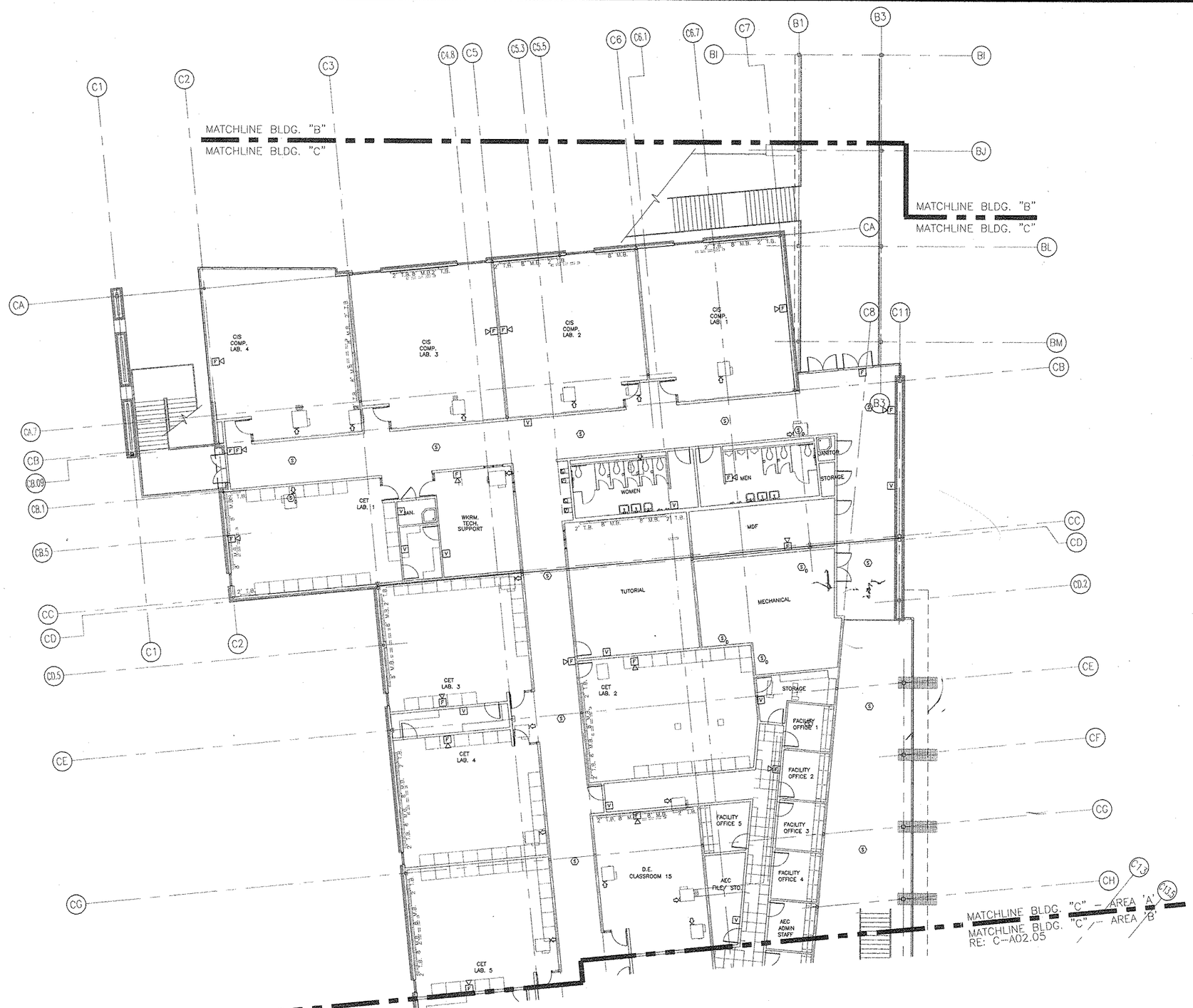
CAD File Name

Description
BUILDING C – AREA A
POWER PLAN – SECOND LEVEL

Scale
1/8" = 1'–0"

True North
Ref. North

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1 (2.02AF) BLDG. C - FIRE ALARM PLAN - SECOND LEVEL - AREA 'A'
1/8" = 1'-0"

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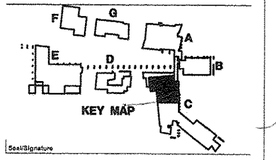
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		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
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		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		

ISSUE FOR CONSTRUCTION
JUN 1 8 2002



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C - AREA A
FIRE ALARM PLAN - SECOND LEVEL

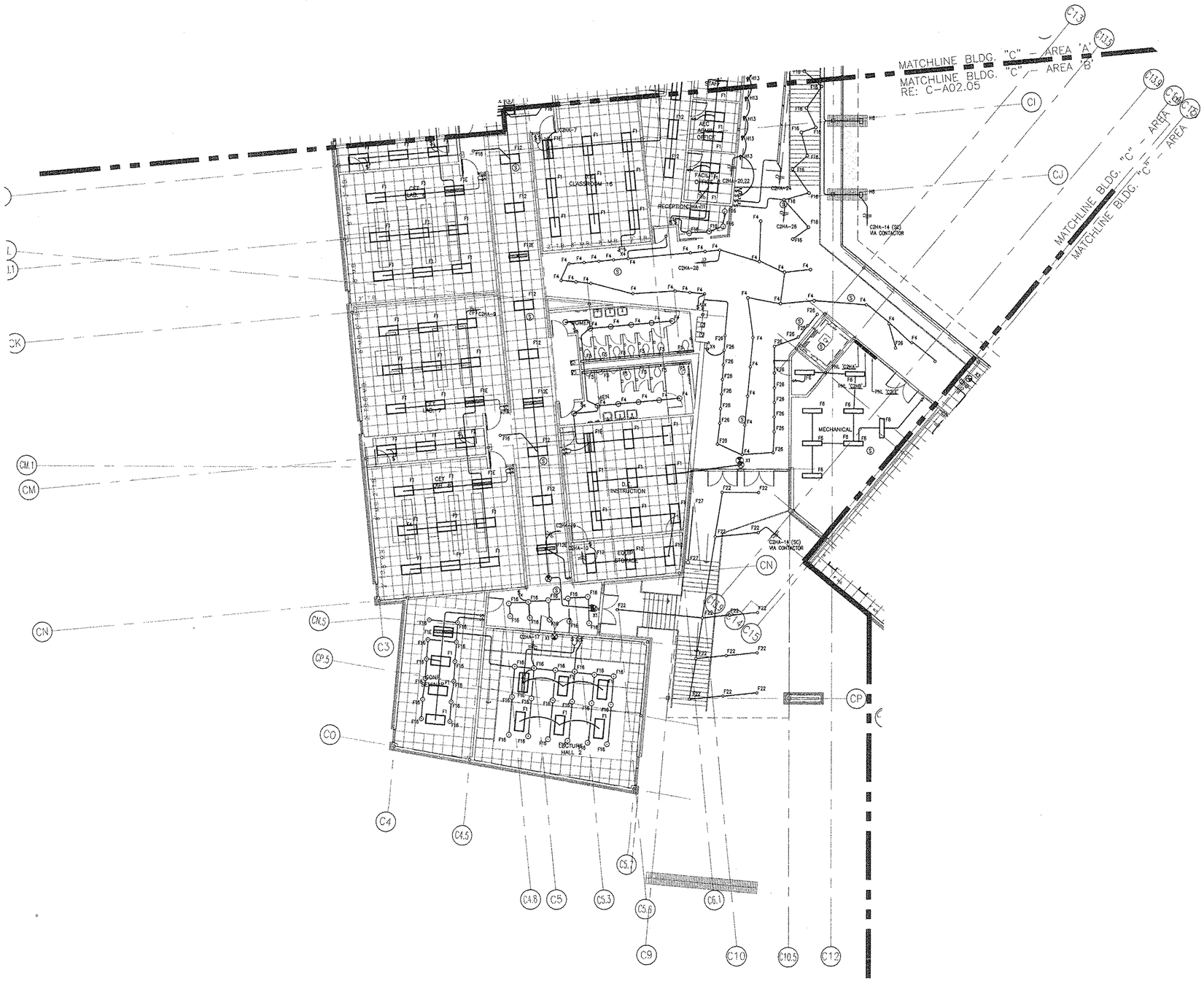
Scale
1/8" = 1'-0"

True North

Ref. North

C-E2.02AF

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1 / 2.02BL BLDG. C - LIGHTING PLAN - SECOND LEVEL - AREA 'B'
1/8" = 1'-0"

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05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION

KEY MAP

Seal/Signature

STATE OF TEXAS — DOUGLAS W. STOUT — 80707 — REGISTERED PROFESSIONAL ENGINEER
4/11/2002

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C – AREA B
LIGHTING PLAN – SECOND LEVEL

Scale
1/8" = 1'-0"

True North
Ref. North

C-E2.02BL

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GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN FOR DATA/COMMUNICATION OUTLETS. ROUGH-IN SHALL CONSIST OF 4" SQ. X 2 1/8" D. JUNCTION BOX WITH SINGLE GANG PLASTER RING, PROVIDE 3/4" C. WITH PULL STRING FROM JUNCTION BOX TO INSULATED BUSHING AT CONDUIT END IN ACCESSIBLE CEILING.
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1 / E2.02BP BLDG. C - POWER PLAN - SECOND LEVEL - AREA 'B'
1/8" = 1'-0"

Laredo Community College
Second Campus

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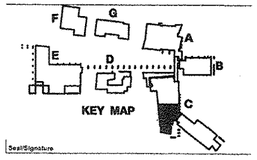
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05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR CONSTRUCTION
JUN 18 2002



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Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

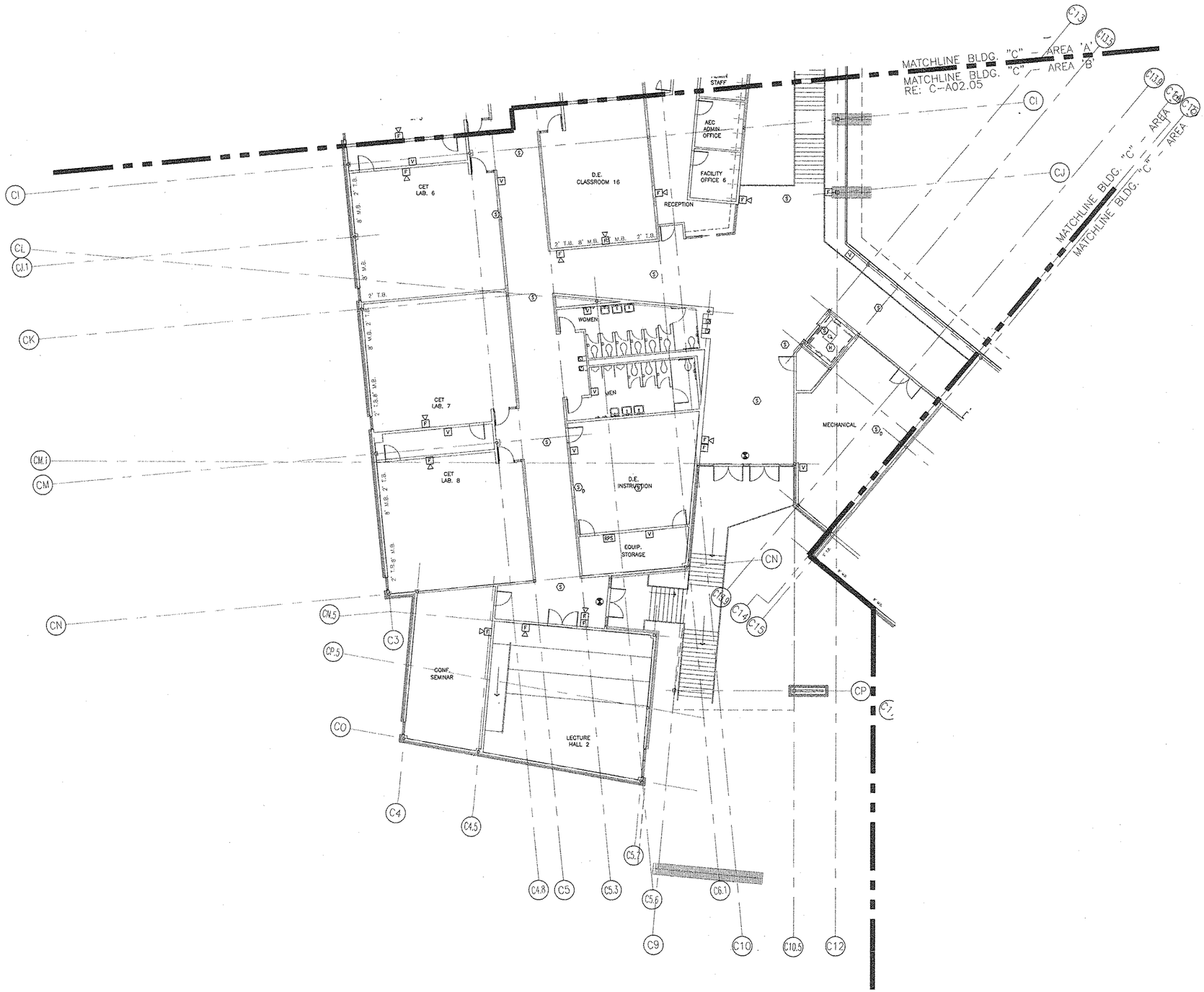
Description
BUILDING C - AREA B
POWER PLAN - SECOND LEVEL

Scale
1/8" = 1'-0"

True North
Ref. North

C-E2.02BP

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1 / E2.02BF — **BLDG. C - FIRE ALARM PLAN - SECOND LEVEL - AREA 'B'**
1/8" = 1'-0"

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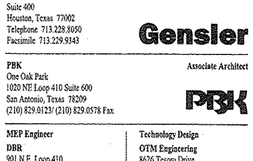
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Laredo Community College
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Project Number
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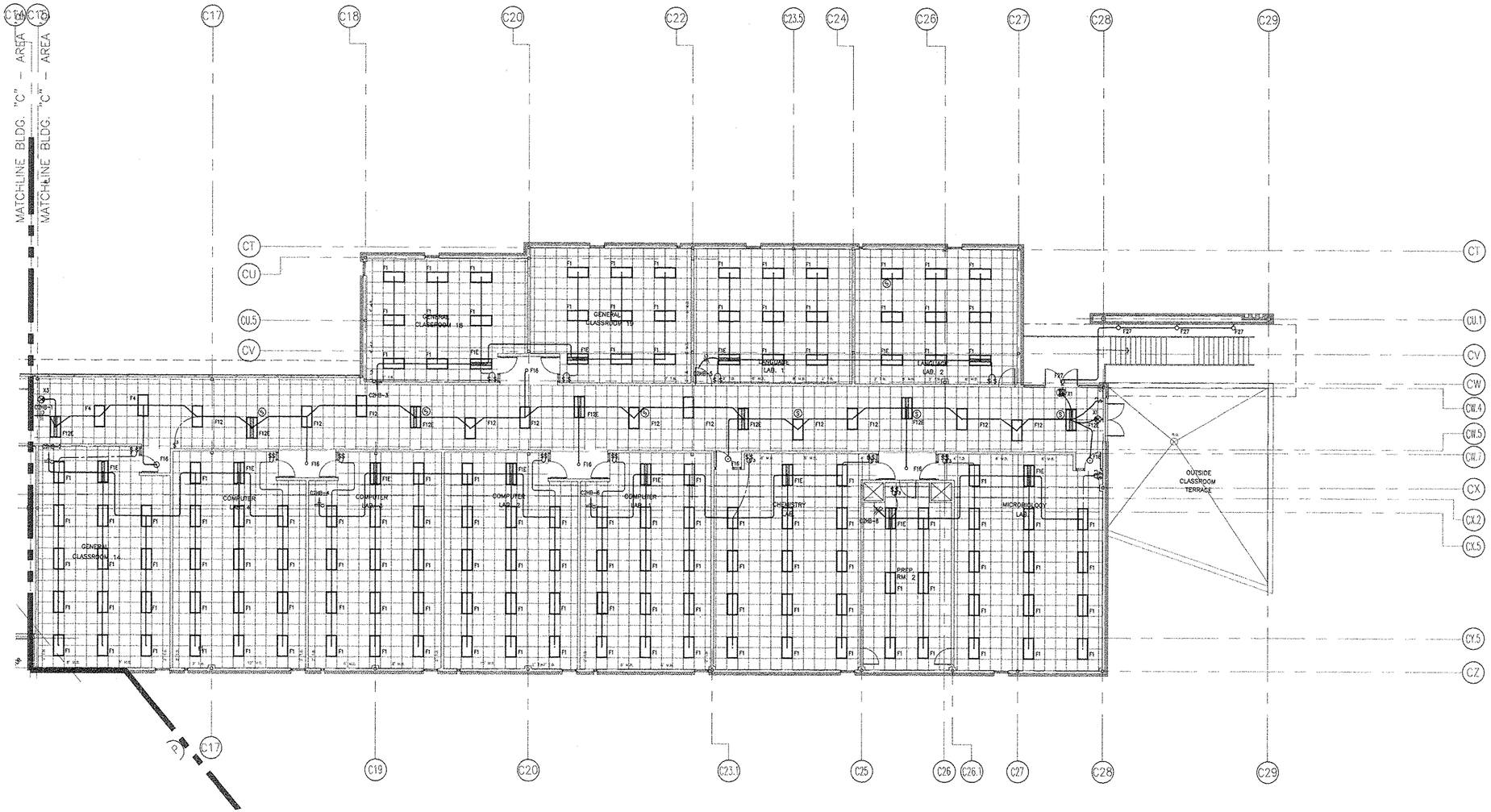
Description
BUILDING C – AREA B
FIRE ALARM PLAN – SECOND LEVEL

Scale
1/8" = 1'-0"

True North
Ref. North

C-E2.02BF

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1 C2.02CL BLDG. C - LIGHTING PLAN - SECOND LEVEL - AREA 'C'
1/8" = 1'-0"

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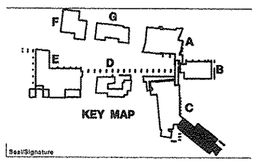
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60107
REGISTERED ARCHITECTURAL ENGINEER
4/4/2002

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

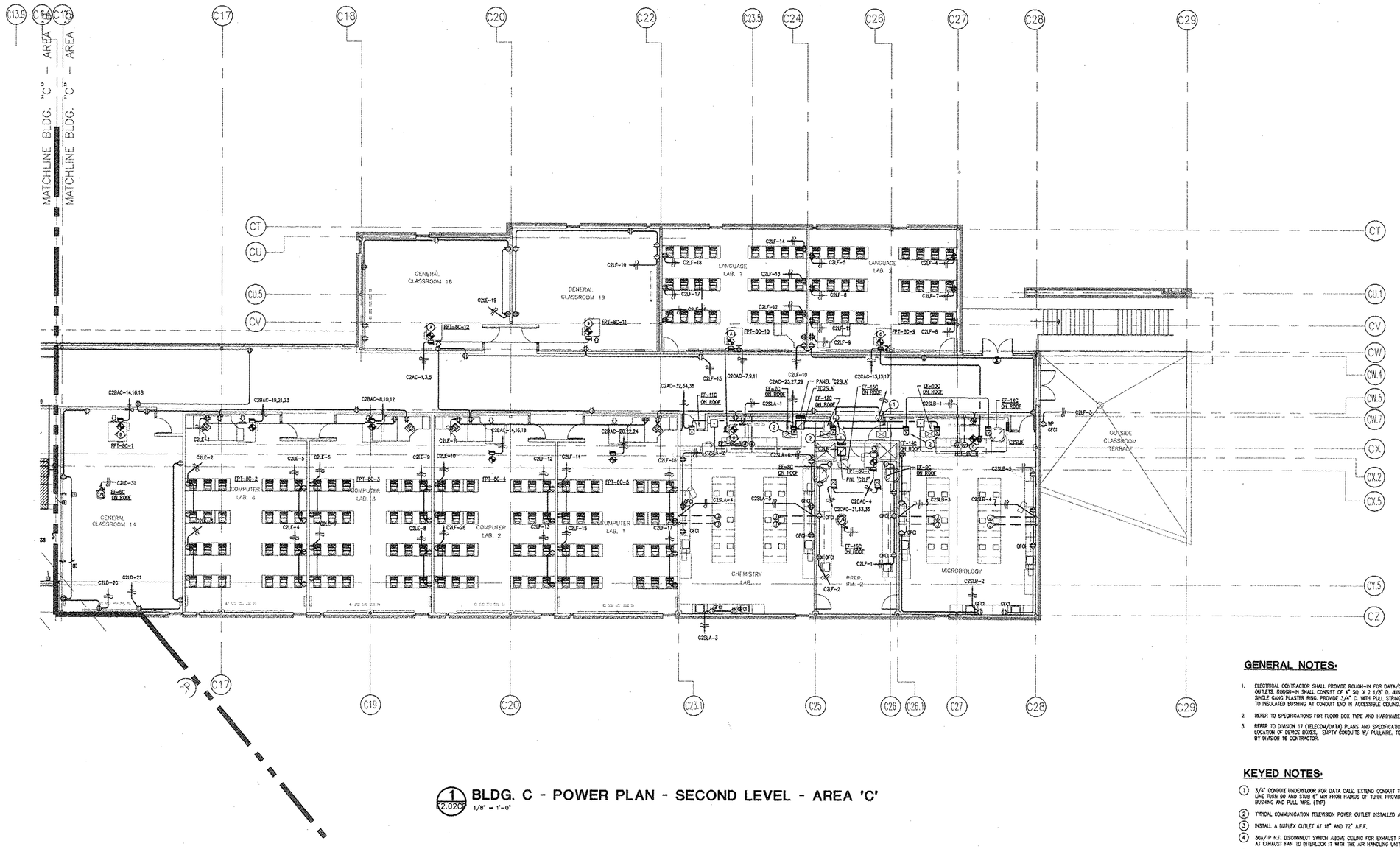
Description
BUILDING C - AREA C
LIGHTING PLAN - SECOND LEVEL

Scale
1/8" = 1'-0"

True North
Ref. North

C-E2.02CL

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1 BLDG. C - POWER PLAN - SECOND LEVEL - AREA 'C'
C2.02CP 1/8" = 1'-0"

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN FOR DATA/COMMUNICATION OUTLETS. ROUGH-IN SHALL CONSIST OF 4" SQ. X 2 1/8" D. JUNCTION BOX WITH SINGLE GANG PLASTER RING. PROVIDE 3/4" C. WITH PULL STRING FROM JUNCTION BOX TO INSULATED BUSHING AT CONDUIT END IN ACCESSIBLE CEILING.
2. REFER TO SPECIFICATIONS FOR FLOOR BOX TYPE AND HARDWARE REQUIREMENTS.
3. REFER TO DIVISION 17 (TELECOM/DATA) PLANS AND SPECIFICATIONS FOR LOCATION OF DEVICE BOXES, EMPTY CONDUITS W/ PULLWIRE. TO BE INSTALLED BY DIVISION 16 CONTRACTOR.

KEYED NOTES:

1. 3/4" CONDUIT UNDERFLOOR FOR DATA CALE. EXTEND CONDUIT TO 8" ABOVE CEILING LINE TURN 90 AND STUB 6" MIN FROM RADIUS OF TURN. PROVIDE NEOPRENE BUSHING AND PULL WIRE. (TYP)
2. TYPICAL COMMUNICATION TELEVISION POWER OUTLET INSTALLED AT 84" A.F.F.
3. INSTALL A DUPLEX OUTLET AT 18" AND 72" A.F.F.
4. 30A/1P N.F. DISCONNECT SWITCH ABOVE CEILING FOR EXHAUST FAN. PROVIDE RELAY AT EXHAUST FAN TO INTERLOCK IT WITH THE AIR HANDLING UNIT.
5. 20A/3P, 250V,④ SINGLE RECEPTACLE.
6. KEYLESS PORCELINE SOCKET BASE WITH 100W/A/G LAMP AND WIRE GUARD AT 5'-0" A.F.F. OF ELEVATOR PIT.
7. DUPLEX RECEPTACLE AT 48 A.F.F. OF ELEVATOR PIT.
8. REFER TO EMERGENCY FLUID SUMP DETAIL FOR POWER, CONTROL AND CONDUIT REQUIREMENTS FOR SUMP PUMP AND ALARM.
9. 30A/2P N.F. DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTS AND POWER.
10. HEAVY DUTY DISCONNECT SWITCH FOR ELEVATOR POWER UNIT.
11. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTION TO VFD UNIT FURNISHED BY DIVISION 15.

Laredo Community College
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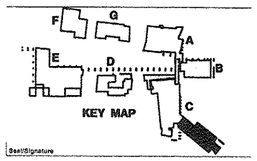
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Issue	Date & Issue Description	By	Check
-- 01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature



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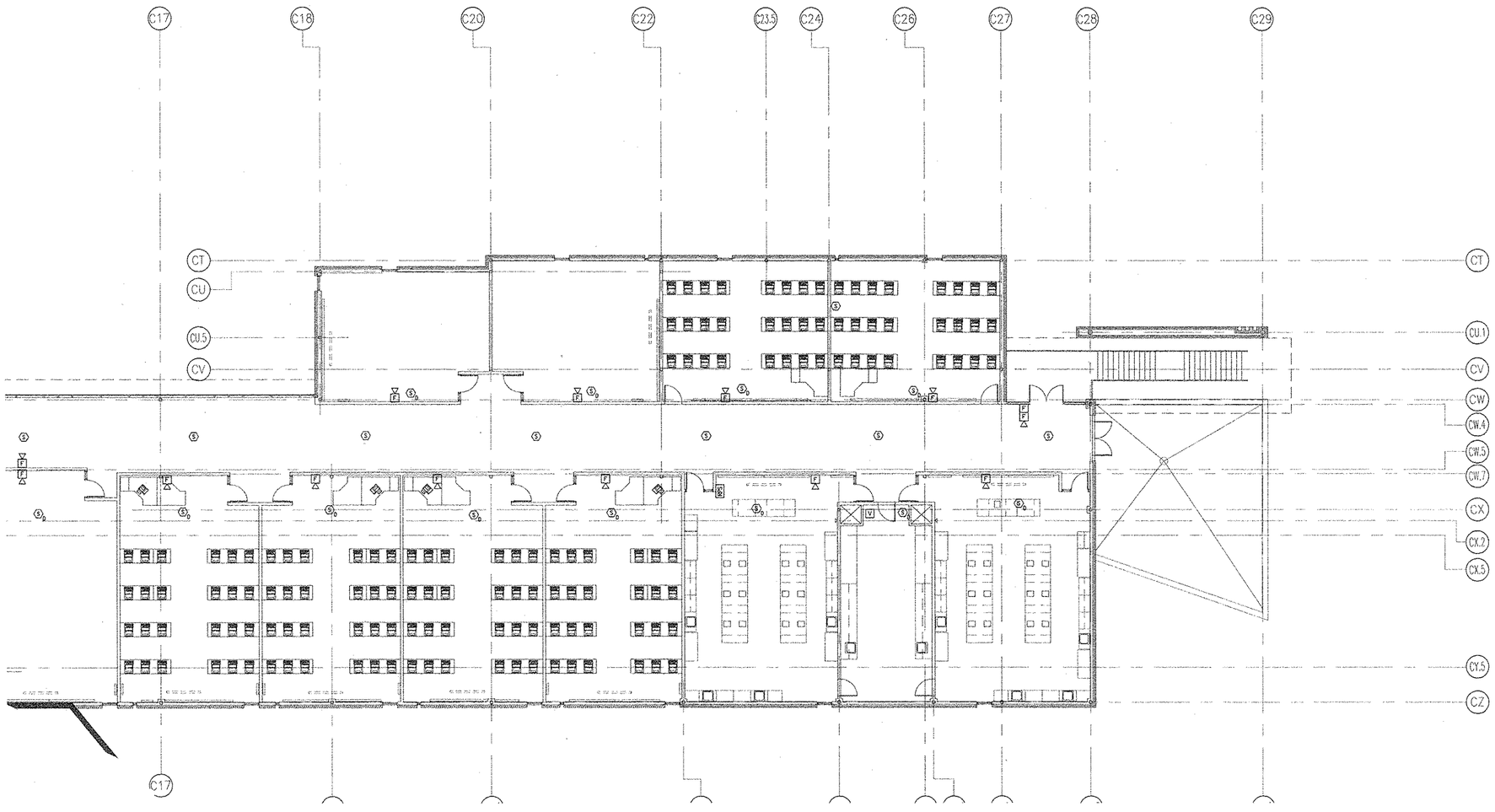
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BUILDING C – AREA C
POWER PLAN – SECOND LEVEL

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1/8" = 1'-0"

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Ref. North

C-E2.02CP

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1 / C2.02CF BLDG. C - FIRE ALARM PLAN - SECOND LEVEL - AREA 'C'
1/8" = 1'-0"

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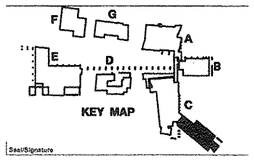
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LIGHT FIXTURE SCHEDULE

NOTES: NOT ALL LIGHT FIXTURES LISTED ARE INDICATED ON EACH BUILDING'S DRAWINGS
REFER TO SPECIFICATIONS SECTION 16500 FOR ADDITIONAL REQUIREMENTS

TYPE	MANUFACTURER/ CATALOG #	MOUNTING	LAMPS #	LAMPS TYPE	VOLTAGE	REMARKS
F1	LIGHTOLIER PRS2FRFVB340 277 O3	RECESSED	3	F32T8/3500K	277	4'-0" DEEP TROFFER WITH 2 ELECTRONIC BALLASTS, 125°, A12 PRISMATIC DIFFUSER.
F1E	LIGHTOLIER PRS2FRFVB340 277 O3	RECESSED	3	F32T8/3500K	277	SAME AS TYPE F1, EXCEPT WITH BATTERY INVERTER BALLAST.
F2	LINEAR LIGHTING ST318R-8-21-78-277-NS/MBP-C-*-BW-E	SUSPENDED	3	FO96/830	277	PERFORATED OPEN, INDIRECT/ DIRECT SUSPENDED FIXTURE. LENGTH AS REQUIRED. PROVIDE ALL NECESSARY HARDWAR
F3	PEERLESS LDM1 3 S478HO * 277 GEB10 X SCT C200 ACC	SUSPENDED	3	FP54/830/HO	277	INDIRECT FIXTURE. LENGTH AS INDICATED ON PLANS. AIRCRAFT CABLE SUSPENSION LENGTH AS REQUIRED.
F4	LIGHTOLIER CALQUL7E 6022CCLWL 7142DU	RECESSED	1	F42TBX/835/ALA/HFEOL	277	FLUORESCENT DOWNLIGHT
F5	LIGHTOLIER STG240RSHPF277SO	COVE	2	F32T8/3500K	277	STAGGERED STRIP
F6	COLUMBIA CSR 4 2 32 EB8 277 PAF	SURFACE	2	F32T8/3500K	277	INDUSTRIAL STRIP FIXTURE
F7	LIGHTOLIER 6074CLWL 6226SU 277	RECESSED	2	F42TBX/835/ALA/HFEOL	277	DOWNLIGHT WITH CROSS BLADES LISTED FOR DAMP LOCATION
F7E	LIGHTOLIER 6074CLWL 8226SU * E 277	RECESSED	2	F42TBX/835/ALA/HFEOL	277	DOWNLIGHT WITH CROSS BLADES LISTED FOR DAMP LOCATION WITH BATTERY INVERTER BALL
F8	LIGHTOLIER CALQCLY7E 6022CCLWL 7142DU DR7BA	RECESSED	1	F42TBX/835/ALA/HFEOL	277	SAME AS TYPE "F4" , EXCEPT WITH SINGLE DROPPED RING
F9	COLUMBIA WLT 1-2 32 F-FS A12.125-EB8 277	RECESSED	2	F32T8/3500K	277	DAMP LOCATION 1X4 FIXTURE
F10	LIGHTOLIER 1100F26721 11785H	RECESSED	1	F26TBX/835/ALA/HFEOL	277	WET LOCATION DOWNLIGHT WITH DROPPED OPALEX LENS
F11	COLUMBIA WLT 2-4-3 32 F-FS A12.125-EB8 277	RECESSED	4	F32T8/3500K	277	DAMP LOCATION 2X4 FIXTURE
F11E	COLUMBIA WLT 2-4-3 32 F-FS A12.125-EB8 * 277	RECESSED	4	F32T8/3500K	277	SAME AS TYPE F11, EXCEPT WITH INVERTER BALLAST.
F12	LIGHTOLIER PRS2FRFVB340 277 O3	RECESSED	3	F32T8/3500K	277	SAME AS TYPE F1, EXCEPT WITH SINGLE 3 LAMP BALLAST
F12E	LIGHTOLIER PRS2FRFVB340 277 O3	RECESSED	3	F32T8/3500K	277	SAME AS TYPE F12, EXCEPT WITH BATTERY INVERTER BALLAST.
F13	ALKCO G132-RSW-E/CB	SURFACE	1	F32T8/3500K	120	UNDERCABINET FIXTURE, WHITE FINISH WITH ELECTRONIC BALLAST.
F14	COLUMBIA KL-4-432-4EB8-277-PAF	SURFACE	4	F32T8/3500K	277	INDUSTRIAL STRIP LAMP FIXTURE WITH APERTURED REFLECTOR. PAINTED AFTER FABRICATION
F15	LIGHTOLIER PRS2FRFXA440 277 O3	RECESSED	4	F32T8/3500K	277	KITCHEN, INVERT LENS ON FIXTURE.
F15E	LIGHTOLIER	RECESSED	4	F32T8/3500K	277	SAME AS TYPE F15,EXCEPT WITH INVERTER BALLAST.
F16	LIGHTOLIER 6021CCLWL 6132BU	RECESSED	1	26WPLT	277	FLUORESCENT DOWNLIGHT.
F17	LIGHTOLIER 6097CBA1742B	RECESSED	1	F42TBX/835/ALA/HFEOL	277	UL LISTED FOR DAMP LOCATIONS
F18	LIGHTOLIER 6022CCLWX1420/DTPA	RECESSED	1	F42TBX/835/ALA/HFEOL	277	7" APERTURE DOWNLIGHT WITH TIERED RING DECORATIVE TRIM
F19	COLUMBIA K4-232-EB8120-PAF-CSRA4	SURFACE	2	F32T8/3500K	120	FLUORESCENT STRIP FIXTURE WITH ASYMMETRIC REFLECTOR. PAINTED AFTER FABRICATION
F20	FAILSAFE FWW 232 277 EB82 EBP	SURFACE	2	F32T8/3500K	277	WALL MOUNTED FIXTURE WITH INTEGRAL BATTERY BALLAST. DAMP LOCATION
F21	SIGTIN ELA E 1 1 1 44/27 2 / CS18"	PENDANT	4	F42TBX/835/ALA/HFEOL	277	ARCHITECTURAL LOW BAY FIXTURE WITH ALUMINUM REFLECTOR
F22	LIGHTOLIER CALQLLY7E C6714ZUVCDL	SURFACE	1	F42TBX/835/ALA/HFEOL	277	FLUORESCENT DOWNLIGHT IN WHITE BODY/ACE MOUNTED CYLINDER. DAMP LOCATION LISTED.
F22E	SAME AS F22 EXCEPT WITH BATTERY INVERTER BALLAST					
F23	BELFER 2855-F/O2-36-277-H/*	COVE	1	FT36DL/830	277	CURVABLE, COVE LIGHT WITH LAMPS AT 14" O.C. PROVIDE RADIUS TO MATCH ARCHITECTURAL COVE.
F24	BELFER 2855-F/O2-40-277-H/*	COVE	1	FT40DL/832	277	CURVABLE, COVE LIGHT WITH LAMPS AT 14" O.C. PROVIDE RADIUS TO MATCH ARCHITECTURAL COVE.
F25	CUSTOM RE: DETAIL 2/IB-E2.01L	PENDANT	1	FT40DL/830	277	3" DIAMETER X 29.5" FLEXIGLASS TUBE, 1/4" WALL THICKNESS. THEATER GEL APPLIED TO INTERIOR.
F26	LIGHTOLIER 6021WW CCLWL 6132BU	RECESSED	1	26WPLT	277	FLUORESCENT WALLWASHER
F27	KIM WP13C/P/42PL277/LG-P	WALL MOUNTED	1	42WPLT	277	EXTERIOR WALL MOUNTED FIXTURE
F28	DAYBRITE DWAE 232 277	SURFACE	2	F32T8/3500K	277	IN FOOD PREP AREA
I1	NOT USED					
I2	STONCO 6400EVB	SURFACE	1	120PAR64/ VNSP/ EV	120	CAST ALUMINUM PAR LAMPHOLDER AT
I3	LIGHTOLIER EF658OLWE810	RECESSED	1	100A19	130	HORIZONTAL LAMP DOWNLIGHT
I4	STONCO 404	SURFACE	1	75PAR/CAP/ WSP	130	CAST ALUMINUM PAR LAMPHOLDER
I5	LIGHTOLIER 4223/**/8626B0563B1B6018K	PENDANT	1	GY6.35	120	DROP PENDANT WITH COLORED GLASS SHADE PROVIDE EACH OF 5 AVAILABLE COLORS/ CLASSROOM
H1	LIGHTOLIER DL6A CLW DL6A 10HC	RECESSED	1	100W MH ED17	277	NOMINAL 6" APERTURE DOWNLIGHT
H1A	LIGHTOLIER DL6A CLW DL6A 70HC	RECESSED	1	MHC70/C/U/MP/3K	277	SAME AS TYPE H1, EXCEPT LAMP & COLOR GLASS ACCESSORY AS SELECTED BY ARCHITECT
H2	KIM 2B/AR/3400SM/I4680/LG-P/P10 PSA35-6188 LG-P (POLE)	30' POLE	1	400W MH	480	ALUMINUM HOUSING AREA LUMINAIRE. HORIZONTAL LAMP, IES TYPE 5 DISTRIBUTION SQUARE, ALUMINUM POLE. LIGHT GRAY FINISH.
H3	KIM 1A/AR/3400SM/I4680/LG-P/P10 PSA35-6188 LG-P (POLE)	30' POLE	1	400W MH	480	ALUMINUM HOUSING AREA LUMINAIRE. HORIZONTAL LAMP, IES TYPE 3 DISTRIBUTION SQUARE, ALUMINUM POLE. LIGHT GRAY FINISH.
H4	KIM 1SA/CAR/3/175W/MH4501/LG-P PSA20-5188 LG-P (POLE)	20' POLE	1	175W MH	480	ALUMINUM HOUSING AREA LUMINAIRE. HORIZONTAL LAMP, IES TYPE 3 DISTRIBUTION SQUARE, ALUMINUM POLE. LIGHT GRAY FINISH.
H5	LIGHTOLIER DL6BCLWL DL9V17HB	RECESSED	1	175W MH	277	DOWNLIGHT PROVIDE SLOPED CEILING ADAPTER
H6	KIM AFL15 150MH277/LG-P HDS	GROUND	1	100W/MH ED-17	277	ADJUSTABLE FLOODLIGHT FIXTURE
H7	STONCO MBL/12175MA-K	PENDANT	1	175W MH	277	LOW BAY HID DIE CAST BALLAST HOUSING, WITH HOOK AND LOOP MTG. PROVIDE MATCHING CONNECTOR PLUG
H8	SIGTIN 917814/277	SURFACE	1	100W MH	277	OUTDOOR, GASKETED FIXTURE, ACRYLIC PRISMATIC DIFFUSE MOUNT FIXTURE HORIZONTAL
H9	DAYBRITE WLL100M 27	WALL	1	100W MH	277	VERTICAL LAMP, CAST ALUMINUM HOUSING WALL PACK
H10	LIGHTOLIER DLTA CLY C9BV10HF	SURFACE	1	100W MH	277	SURFACE MOUNTED CYLINDER WITH WHITE ALUMINUM HOUSING
H11	LUMTORELU STAFF OOPA100 277 CPP	PENDANT	1	MHC100/C/U/MP/3K	277	LENSED DECORATIVE HIGH BAY FIXTURE
H12	LSI M2901 / 62000 SERIES TRACK	TRACK	1	CDM100/PAR38/SP/3K	277	TRACK FIXTURE W/ HEX LOUVER, BLACK FINISH
H13	LSI M2803 / 62000 SERIES TRACK	TRACK	1	CDM35/PAR20/MI/SP	277	TRACK FIXTURE W/ HEX LOUVER, BLACK FINISH
H14	KIM 1SA/SAR2/100/MH277/LG-P PSA14-5188 LG-P (POLE)	14' POLE	1	100W MH	277	ALUMINUM HOUSING AREA LUMINAIRE. HORIZONTAL LAMP, IES TYPE 2 DISTRIBUTION SQUARE, ALUMINUM POLE. LIGHT GRAY FINISH.
H15	KIM AFL14 150MH277/LG-P HDS	GROUND	1	100/MMH ED-17	277	NARROW FLOODLIGHT
H16	KIM WD14/D2/ 175MH277/ LG-P/ H5	WALL	1	175/MMH ED-17	277	WALL MOUNTED TYPE 2 DISTRIBUTION FIXTURE WITH HOUSESIDE SHIELD
H17	KIM CLF-48/100MH277 LG-P	RECESSED	1	100W/MH/ ED-17	277	DIE CAST ALUMINUM, RECESSED FLOODLIGHT FOR UPWARD LIGHTING
H18	KIM CL3/100MH120N/F/F	GROUND	1	100W/MH/ ED-17	120	CAST ALUMINUM WELL LIGHT. DARK BRONZE FINISH
H19	KIM CL3/100MH120S/F/F	GROUND	1	100W/MH/ ED-17	120	CAST ALUMINUM WELL LIGHT. DARK BRONZE FINISH
H20	LIGHTOLIER WWA6 CCLW	RECESSED	1	MHC100/C/U/MP/3K	277	NOMINAL 6" APERTURE WALLWASHER
X1	PRESCOLITE LEPS C.E.R.* N.E.	SURFACE CEILING	1	LED	277	SINGLE FACE EXIT SIGN
X2	PRESCOLITE LEPS C.D.R.* N.E.	SURFACE CEILING	1	LED	277	DOUBLE FACE EXIT SIGN
X3	PRESCOLITE LEPS W.E.R.* N.E.	SURFACE WALL	1	LED	277	WALL MOUNTED EXIT SIGN
X4	LIGHTGUARD IWW	RECESSED WALL	2	35MR16	277	CONCEALED EMERGENCY EGRESS LIGHT WITH INTEGRAL BATTERY
X5	LIGHTOLIER E425GN2RT18W.SA	SURFACE WALL	2	18W	277	SURFACE EMERGENCY EGRESS LIGHT WITH INTEGRAL BATTERY. MOUNT AT 12' AFF. WITH SELF DIAGNOSTICS.

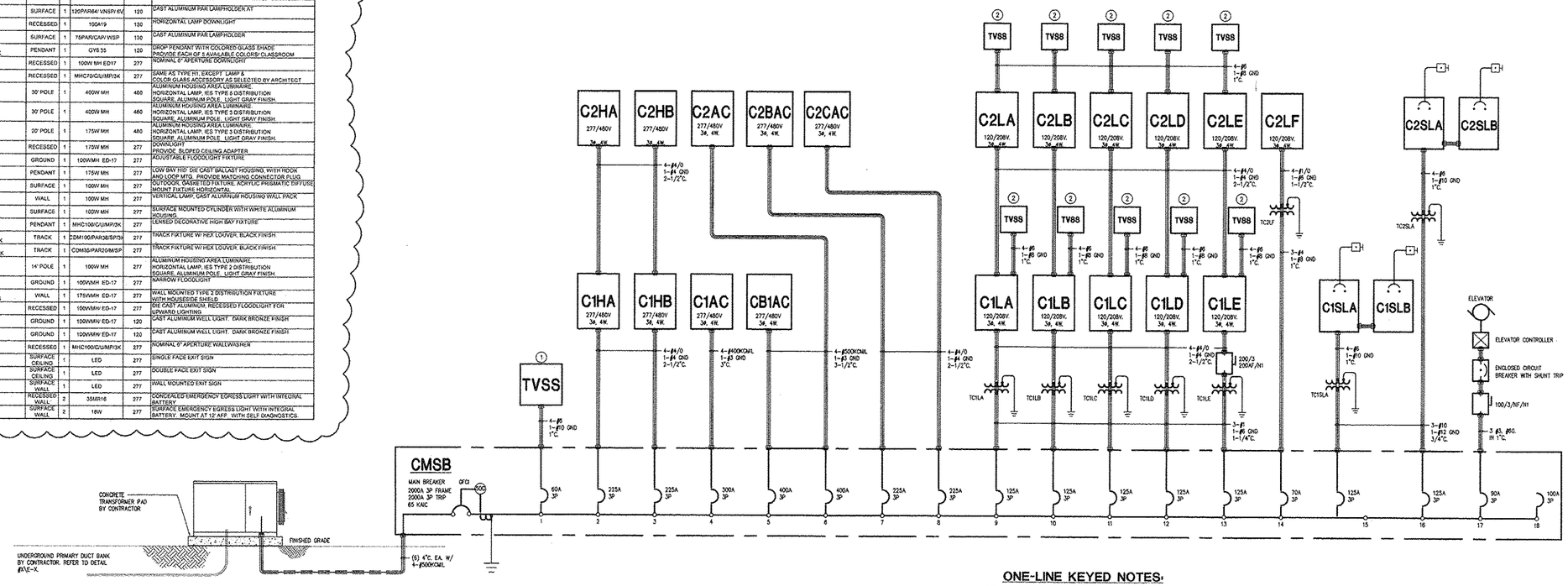
TRANSFORMER SCHEDULE

MARK	KVA	PRIMARY	SECONDARY	MOUNTING	REMARKS
TC1LA	75	480V., 3PH.	120/208V., 3PH., 4W.	FLOOR	HARMONIC FILTERING
TC1LB	75	480V., 3PH.	120/208V., 3PH., 4W.	FLOOR	HARMONIC FILTERING
TC1LC	75	480V., 3PH.	120/208V., 3PH., 4W.	FLOOR	HARMONIC FILTERING
TC1LD	75	480V., 3PH.	120/208V., 3PH., 4W.	FLOOR	HARMONIC FILTERING
TC1LE	75	480V., 3PH.	120/208V., 3PH., 4W.	FLOOR	HARMONIC FILTERING
TC1LF	45	480V., 3PH.	120/208V., 3PH., 4W.	SUSPENDED	HARMONIC FILTERING
TC1SLA	15	480V., 3PH.	120/208V., 3PH., 4W.	SUSPENDED	
TC2SLA	15	480V., 3PH.	120/208V., 3PH., 4W.	SUSPENDED	
TC2LF	45	480V., 3PH.	120/208V., 3PH., 4W.	SUSPENDED	HARMONIC FILTERING

ELECTRICAL LOAD ANALYSIS

480' / 277', 3 -PHASE 4 -WIRE

DESCRIPTION					NEC	KVA
LIGHTING:						
INTERIOR =	90,000	SF x	3	VA / S.F. x 125%	220-10(b)	337.5
CONNECTED INTERIOR LIGHTING LOAD =	142,047	VA				
EXTERIOR =	17,256	VA	X 125%		220-10(b)	21.6
POWER:						
RECEPTACLES =	376,640	VA			220-13	160.3
MISCELLANEOUS =	55,466	VA				56.5
			QUANTITY			
KITCHEN =		VA	1	100%	220-20	0.0
ELEVATORS =	29,916	VA	1		620-14	29.9
FUTURE POWER		VA				0.0
HVAC:						
COOLING =	0	VA			220-21	0.0
HEATING =	756,563	VA			220-21	756.7
FANS =	141,935	VA			220-21	141.9
PUMPS: CHW =	0	VA			220-21	0.0
HW =	0	VA			220-21	0.0
CONDENSATE =	0	VA			220-21	0.0
25% LARGEST MOTOR =	7,470	VA			220-14	7.5
PLUMBING:	0	VA				0.0
WATER HEATER =	0	VA				0.0
DRINKING FOUNTAIN =	0	VA				0.0
CIRCULATING PUMP =	0	VA				0.0
					TOTAL =	1565.6
					TOTAL AMPS:	1856.4
					SERVICE SIZE:	2000.0
					SPARE AMPACITY:	140.6



ONE-LINE KEYED NOTES:

1. TVSS MODEL #S277/460Y/222. RE: SPECIFICATIONS - 16500.
2. TVSS MODEL #S120/208Y/111. RE: SPECIFICATIONS - 16500.

1 / E4.01 BLDG. C - ONE-LINE RISER DIAGRAM

NOT TO SCALE

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San Antonio, Texas 78217
(210) 832.0719/ (210) 828.6969 Fax

Structural Engineer
Alpha Consulting Engineers, Inc.
One Ten Broadway Bldg
110 Broadway Suite 50
San Antonio, TX 78205
(210) 227.3647/ (210) 227.1039 Fax

Food Service Consultant
Frank Clemeuts Associates, Inc.
10850 Richmond Ave.
Suite 330
Houston, TX 77042
(713) 784.3212/ (713) 784.2933 Fax

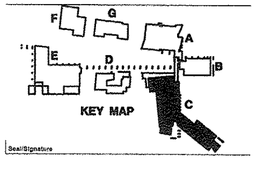
Civil Engineer
Mejia Engineering Co.
1202 Houston St. Suite 200
Laredo, Texas 78040
(956) 725-5057/ (956) 725-7070 Fax

Security Consultant
HMA Consulting, Inc.
2727 Osborn Lane
Bryan, Texas 77803
(979) 774-1368/ (979)774-0197 Fax

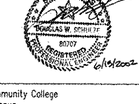
Landscape Design
SLA Studio Land
10065 Richmond Ave. Suite 100
Houston, Texas 77042
(713) 787.0719/ (713) 787.5190 Fax

Issue		Date & Issue Description	By	Check
---	01	10.11.01 SCHEMATIC DESIGN & PRICING		
	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
	05	04.11.02 CONSTRUCTION DOCUMENTS		
2	06	05.06.02 ADDENDUM No. 2		
3	07	05.10.02 ADDENDUM No. 3		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
ONE LINE RISER DIAGRAM

Scale
NOT TO SCALE

True North

Ref. North

C-E4.01

©2001 Gensler

Lighting Class Panelboard C1AC

14,000 AIC Rating
Existing
X New

277/480 Volt,3-Phase,4-Wire | 1 Section | 1 -Nema Rating | MCB MLO | 400 AMP MCB | AMP BUS (Copper) | ISO. GRND. BUS | X Single Double Feed - Thru | Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	5359	FPT-1C-1, FPT-1C-2	H	10	30/3	1	A	2	30/1	10	H	SPARE		
	4667	-	H	10		3	B	4	30/1	10	H	FTP-1C-6	5693	
	5542	-	H	10		5	C	6	30/1	10	H	FTP-1C-7	5693	
	6028	FPT-1C-3, FPT-1C-5	H	10	30/3	7	A	8	30/1	10	H	FTP-2C-2	5693	
	6028	-	H	10		9	B	10	30/1	10	H	FTP-2C-3	5693	
	5333	-	H	10		11	C	12	30/1	10	H	FTP-3C-10	4499	
	6028	FPT-1C-4, FPT-1C-10	H	10	30/3	13	A	14	30/3	10	H	EDH-2C-1	4000	
	6028	-	H	10		15	B	16		10	H	-	4000	
	5333	-	H	10		17	C	18		10	H	-	4000	
	6209	FPT-1C-8, FPT-1C-9	H	10	30/3	19	A	20	30/3	10	F	AHU-2C	2105	
	5333	-	H	10		21	B	22		10	F	-	2105	
	6209	-	H	10		23	C	24		10	F	-	2105	
	6209	FPT-1C-11, FPT-1C-13	H	10	30/3	25	A	26	50/3	10	F	AHU-1C	5817	
	6209	-	H	10		27	B	28		10	F	-	5817	
	5333	-	H	10		29	C	30		10	F	-	5817	
	6209	FPT-3C-11, FPT-3C-9	H	10	30/3	31	A	32				SPACE		
	5333	-	H	10		33	B	34				SPACE		
	6209	-	H	10		35	C	36				SPACE		
	6209	FPT-2C-1, FPT-3C-8	H	10	30/3	37	A	38				SPACE		
	5333	-	H	10		39	B	40				SPACE		
	6209	-	H	10		41	C	42				SPACE		
	121,340	Subtotal										Subtotal	83,035	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.		Conn.	Fct.	Diversity
220-13	(R) Recept.	0	100%	0	220-10(b)	(L) Lighting	0	125%	0
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	160,609	100%	160,909		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	23,767	100%	23,767	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	0	100%	0		(SP) Sub Panel	0	100%	0

Total Connected Load 184,376 VA = 221.872 AMPS
Total Load (Diversified 184,376 VA = 221.9 AMPS

Location of Panel: ELECTRICAL ROOM

Lighting Class Panelboard CB1AC

14,000 AIC Rating
Existing
X New

277/480 Volt,3-Phase,4-Wire | 1 Section | 1 -Nema Rating | MCB MLO | 400 AMP MCB | AMP BUS (Copper) | ISO. GRND. BUS | X Single Double Feed - Thru | Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	5875	FPT-3C-5, FPT-3C-8	H	10	30/3	1	A	2	30/1	10	H	FTP-4C-10	3332	
	5000	-	H	10		3	B	4	30/1	10	H	FTP-1C-6	5693	
	5693	-	H	10		5	C	6						
	5333	FPT-3C-3, FPT-3C-4	H	10	30/3	7	A	8	50/3	10	H	FPT-4C-5, FPT-4C-8	5875	
	6209	-	H	10		9	B	10		10	H	-	5693	
	6209	-	H	10		11	C	12		10	H	-	5000	
	6209	FPT-3C-1, FPT-3C-2	H	10	30/3	13	A	14	50/3	10	F	AHU-4C	5817	
	6209	-	H	10		15	B	16		10	H	-	5817	
	5333	-	H	10		17	C	18		10	F	-	5817	
	5721	FPT-4C-1	H	10	30/3	19	A	20	50/3	10	F	AHU-3C	5817	
	5721	-	H	10		21	B	22		10	F	-	5817	
	5721	-	H	10		23	C	24		10	F	-	5817	
	5333	FPT-4C-1, FPT-4C-11	H	10	30/3	25	A	26	30/3	10	H	FPT-4C-8, FPT-4C-9	5333	
	6026	-	H	10		27	B	28		10	H	-	6209	
	6209	-	H	10		29	C	30		10	H	-	6026	
	5388	FPT-4C-3	H	10	30/3	31	A	32	30/3	10	H	FPT-4C-12, FPT-4C-13	5333	
	5388	-	H	10		33	B	34		10	H	-	6209	
	5388	-	H	10		35	C	36		10	H	-	6209	
	5388	FPT-4C-4	H	10	30/3	37	A	38	30/3	10	H	FPT-4C-7	5388	
	6388	-	H	10		39	B	40		10	H	-	5388	
	5388	-	H	10		41	C	42		10	H	-	5388	
	119,127	Subtotal										Subtotal	111,977	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.		Conn.	Fct.	Diversity
220-13	(R) Recept.	0	0	0	220-10(b)	(L) Lighting	0	125%	0
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	196,202	100%	196,202		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	34,902	100%	34,902	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	0	100%	0		(SP) Sub Panel	0	100%	0

Total Connected Load 231,104 VA = 278.103 AMPS
Total Load (Diversified 231,104 VA = 278.1 AMPS

Location of Panel: ELECTRICAL ROOM

Lighting Class Panelboard C2AC

14,000 AIC Rating
Existing
X New

277/480 Volt,3-Phase,4-Wire | 1 Section | 1 -Nema Rating | MCB MLO | 400 AMP MCB | AMP BUS (Copper) | ISO. GRND. BUS | X Single Double Feed - Thru | Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	4667	FPT-5C-8, FPT-5C-7	H	10	30/3	1	A	2	30/3	10	H	FPT-6C-1	4721	
	5359	-	H	10		3	B	4		10	H	-	4721	
	5542	-	H	10		5	C	6		10	H	-	4721	
	3875	FPT-5C-6	H	10	30/3	7	A	8	30/3	10	H	FPT-6C-2	4388	
	3000	-	H	10		9	B	10		10	H	-	4388	
	3000	-	H	10		11	C	12		10	H	-	4388	
	4721	FPT-5C-1	H	10	30/3	13	A	14	30/3	10	H	EDH-7C-1	5000	
	4721	-	H	10		15	B	16		10	H	-	5000	
	4721	-	H	10		17	C	18		10	H	-	5000	
	4388	FPT-5C-2	H	10	30/3	19	A	20	50/3	10	F	AHU-5C	5817	
	4388	-	H	10		21	B	22		10	F	-	5817	
	4388	-	H	10		23	C	24		10	F	-	5817	
	4388	FPT-5C-3	H	10	30/3	25	A	26	50/3	10	F	AHU-6C	5817	
	4388	-	H	10		27	B	28		10	F	-	5817	
	4388	-	H	10		29	C	30		10	F	-	5817	
	4388	FPT-5C-4	H	10	30/3	31	A	32	30/3	10	F	AHU-7C	3878	
	4388	-	H	10		33	B	34		10	F	-	3878	
	4388	-	H	10		35	C	36		10	F	-	3878	
	4388	FPT-5C-5	H	10	30/3	37	A	38	30/3	10	H	FPT-7C-1	4388	
	4388	-	H	10		39	B	40		10	H	-	4388	
	4388	-	H	10		41	C	42		10	H	-	4388	
	92,560	Subtotal										Subtotal	102,008	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.		Conn.	Fct.	Diversity
220-13	(R) Recept.	0	0	0	220-10(b)	(L) Lighting	0	125%	0
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	147,750	100%	147,750		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	46,536	100%	46,536	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	0	100%	0		(SP) Sub Panel	0	100%	0

Total Connected Load 194,286 VA = 233.798 AMPS
Total Load (Diversified 194,286 VA = 233.8 AMPS

Location of Panel:

Lighting Class Panelboard C2BAC

14,000 AIC Rating
Existing
X New

277/480 Volt,3-Phase,4-Wire | 1 Section | 1 -Nema Rating | MCB MLO | 225 AMP MCB | AMP BUS (Copper) | ISO. GRND. BUS | X Single Double Feed - Thru | Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	5875	FPT-7C-2, FPT-7C-3	H	10	30/3	1	A	2	30/1	10	H	FPT-7C-7	5693	
	5000	-	H	10		3	B	4	30/1			SPARE		
	5693	-	H	10		5	C	6	30/1			SPARE		
	3875	FPT-6C-3	H	10	30/3	7	A	8	30/3	10	H	FPT-7C-8, FPT-7C-9	5875	
	3000	-	H	10		9	B	10		10	H	-	5000	
	3000	-	H	10		11	C	12		10	H	-	5693	
	6028	FPT-7C-5, FPT-7C-4	H	10	30/3	13	A	14	30/3	10	H	EDH-7C-1	5000	
	6209	-	H	10		15	B	16		10	H	-	5000	
	5333	-	H	10		17	C	18		10	H	-	5000	
	4388	FPT-6C-4	H	10	30/3	19	A	20	50/3	10	F	AHU-8C	5817	
	4388	-	H	10		21	B	22		10	F	-	5817	
	4388	-	H	10		23	C	24		10	F	-	5817	
	4388	FPT-6C-5	H	10	30/3	25	A	26				SPACE		
	4388	-	H	10		27	B	28				SPACE		
	4388	-	H	10		29	C	30				SPACE		
	4721	FPT-6C-6	H	10	30/3	31	A	32				SPACE		
	4721	-	H	10		33	B	34				SPACE		
	4721	-	H	10		35	C	36				SPACE		
	4667	FPT-6C-7, FPT-6C-8	H	10	30/3	37	A	38				SPACE		
	5359	-	H	10		39	B	40				SPACE		
	5359	-	H	10		41	C	42				SPACE		
	99,886	Subtotal										Subtotal	54,711	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.		Conn.	Fct.	Diversity
220-13	(R) Recept.	0	0	0	220-10(b)	(L) Lighting	0	125%	0
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	137,146	100%	137,146		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	17,451	100%	17,451	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	0	100%	0		(SP) Sub Panel	0	100%	0

Total Connected Load 154,597 VA = 186.038 AMPS
Total Load (Diversified 154,597 VA = 186.0 AMPS

Location of Panel: ELECTRICAL ROOM

Lighting Class Panelboard C2CAC

14,000 AIC Rating
Existing
X New

277/480 Volt,3-Phase,4-Wire | 1 Section | 1 -Nema Rating | MCB MLO | 225 AMP MCB | AMP BUS (Copper) | ISO. GRND. BUS | X Single Double Feed - Thru | Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	5359	FPT-8C-12, FPT-8C-1	H	10	30/3	1	A	2	30/1			SPARE		
	5359	-	H	10		3	B	4	30/1	10	H	FPT-8C-7	4416	
	4667	-	H	10		5	C	6	30/1			SPARE		
	6542	FPT-8C-6, FPT-8C-10	H	10	30/3	7	A	8	30/3	10	H	FPT-8C-3	4721	
	5667	-	H	10		9	B	10		10	H	-	4721	
	6542	-	H	10		11	C	12		10	H	-	4721	
	5667	FPT-8C-8, FPT-8C-9	H	10	30/3	13	A	14	30/3	10	H	FPT-8C-4	4721	
	6542	-	H	10		15	B	16		10	H	-	4721	
	6542	-	H	10		17	C	18		10	H	-	4721	
	4721	FPT-8C-2	H	10	30/3	19	A	20	30/3	10	H	FPT-8C-5	4721	
	4721	-	H	10		21	B	22		10	H	-	4721	
	4721	-	H	10		23	C	24		10	H	-	4721	
	1884	EF-7C, EF-10C	F	12	15/3	25	A	26	30/3	10	H	EDH-8C-1	5000	
	1884	-	F	12		27	B	28		10	H	-	5000	
	1884	-	F	12		29	C	30		10	H	-	5000	
	1884	EF-8C, EF-9C	F	12	15/3	31	A	32	15/3	12	F	EF-11C, EF-12C,	1551	
	1884	-	F	12		33	B	34		12	F	EF-13C, EF-14C	1551	
	1884	-	F	12		35	C	36		12	F	-	1551	
		SPACE				37	A	38				SPACE		
		SPACE				39	B	40				SPACE		
		SPACE				41	C	42				SPACE		
	78,351	Subtotal										Subtotal	66,559	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.		Conn.	Fct.	Diversity
220-13	(R) Recept.	0	100%	0	220-10(b)	(L) Lighting	0	125%	0
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	128,955	100%	128,955		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	15,955	100%	15,955	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	0	100%	0		(SP) Sub Panel	0	100%	0

Total Connected Load 144,911 VA = 174.381 AMPS
Total Load (Diversified 144,911 VA = 174.4 AMPS

Location of Panel: ELECTRICAL ROOM

Lighting Class Panelboard C1HA

14,000 AIC Rating
Existing
X New

277/480 Volt,3-Phase,4-Wire | 1 Section | 1 -Nema Rating | X MCB MLO | 225 AMP MCB | AMP BUS (Copper) | ISO. GRND. BUS | X Single Double Feed - Thru | Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	3240	LIGHTS	L	12	20/1	1	A	2	20/1	12	L	LIGHTS	2880	
	1440	LIGHTS	L	12	20/1	3	B	4	20/1	12	L	LIGHTS	2400	
	3600	LIGHTS	L	12	20/1	5	C	6	20/1	12	L	LIGHTS	2110	
	3120	LIGHTS	L	12	20/1	7	A	8	20/1	12	L	LIGHTS	1155	
	2280	LIGHTS	L	12	20/1	9	B	10	20/1	12	EL	SOFFIT LIGHTS	2080	
	2840	LIGHTS	L	12	20/1	11	C	12	20/1	12	EL	SOFFIT LIGHTS	1040	
	3740	LIGHTS	L	12	20/1	13	A	14	20/1	12	L	LIGHTS	3900	
	2940	LIGHTS	L	12	20/1	15	B	16	30/2	8	EL	PARKING AREA LIGH	2973	
	3900	LIGHTS	L	12	20/1	17	C	18			EL	-	2973	
	2400	LIGHTS	L	12	20/1	19	A	20	30/2	8	EL	PARKING AREA LIGH	2380	
	880	LIGHTS	L	12	20/1	21	B	22			EL	-	2380	
	1320	LIGHTS	L	12	20/1	23	C	24	20/1	10	EL	EXTERIOR LIGHTING	1080	
	2520	LIGHTS	L	12	20/1	25	A	26	20/1			SPARE		
		SPARE			20/1	27	B	28	20/1			SPARE		
		SPARE			20/1	29	C	30	20/1			SPARE		
		SPARE			20/1	31	A	32	20/1			SPARE		
		SPARE			20/1	33	B	34	20/1			SPARE		
		SPARE			20/1	35	C	36	20/1			SPARE		
		SPARE			20/1	37	A	38	20/1			SPARE		
		SPARE			20/1	39	B	40	20/1			SPARE		
		SPARE			20/1	41	C	42	20/1			SPARE		
	33,920	Subtotal										Subtotal	28,750	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.		Conn.	Fct.	Diversity
220-13	(R) Recept.	0	0	0	220-10(b)	(L) Lighting	47,845	125%	59,806
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	12,825	125%	16,031
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	0	100%	0	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	0	100%	0		(SP) Sub Panel	55,613	100%	55,613

Total Connected Load 116,283 VA = 139.932 AMPS
Total Load (Diversified 131,451 VA = 158.2 AMPS

Location of Panel: ELECTRICAL ROOM

Lighting Class Panelboard C2HA

14,000 AIC Rating
Existing
X New

277/480 Volt,3-Phase,4-Wire | 1 Section | 1 -Nema Rating | X MCB MLO | 225 AMP MCB | AMP BUS (Copper) | ISO. GRND. BUS | X Single Double Feed - Thru | Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	2760	LIGHTS	L	12	20/1	1	A	2	20/1	12	L	LIGHTS	2880	
	2280	LIGHTS	L	12	20/1	3	B	4	20/1	12	L	CORRIDOR LIGHTS	1590	
	2520	LIGHTS	L	12	20/1	5	C	6	20/1	12	L	LIGHTS	2520	
	3120	LIGHTS	L	12	20/1	7	A	8	20/1	12	L	LIGHTS	3150	
	3150	LIGHTS	L	12	20/1	9	B	10	20/1	12	L	LIGHTS	2820	
	2020	LIGHTS	L	12	20/1	11	C	12	20/1	12	L	LIGHTS	2040	
	3217	LIGHTS	L	12	20/1	13	A	14	20/1	12	EL	EXTERIOR LIGHTS	2311	
	900	LIGHTS	EL	12	20/1	15	B	16	20/1	12	L	LIGHTS		
	2700	LIGHTS	L	12	20/1	17	C	18	20/1	12	L	LIGHTS		
	2880	CORRIDOR LIGHTS	L	12	20/1	19	A	20	20/1	12	L	LIGHTS	3823	
		SPARE			20/1	21	B	22	20/1	12	L	LIGHTS	3823	
		SPARE			20/1	23	C	24	20/1	12	L	LIGHTS	2400	
		SPARE			20/1	25	A	26	20/1	12	L	LIGHTS	800	
		SPARE			20/1	27	B	28	20/1	12	L	LIGHTS	2500	
		SPARE			20/1	29	C	30	20/1			SPARE		
		SPARE			20/1	31	A	32	20/1			SPARE		
		SPARE			20/1	33	B	34	20/1			SPARE		
		SPARE			20/1	35	C	36	20/1			SPARE		
		SPARE			20/1	37	A	38	20/1			SPARE		
		SPARE			20/1	39	B	40	20/1			SPARE		
		SPARE			20/1	41	C	42	20/1			SPARE		
	24,957	Subtotal										Subtotal	30,657	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.		Conn.	Fct.	Diversity
220-13	(R) Recept.	0	0	0	220-10(b)	(L) Lighting	52,402	125%	65,503
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	3,211	125%	4,014
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	0	100%	0	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	0	100%	0		(SP) Sub Panel	0	100%	0

Total Connected Load 55,613 VA = 86.6235 AMPS
Total Load (Diversified 69,517 VA = 83.7 AMPS

Location of Panel: ELECTRICAL ROOM

Lighting Class Panelboard C1HB

14,000 AIC Rating
Existing
X New

277/480 Volt,3-Phase,4-Wire | 1 Section | 1 -Nema Rating | X MCB MLO | 225 AMP MCB | AMP BUS (Copper) | ISO. GRND. BUS | X Single Double Feed - Thru | Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	2520	LIGHTS	L	12	20/1	1	A	2	20/1	12	L	LIGHTS	2880	
	2880	LIGHTS	L	12	20/1	3	B	4	20/1	12	L	LIGHTS	2640	
	2400	LIGHTS	L	12	20/1	5	C	6	20/1	12	L	LIGHTS	2160	
	2970	CORRIDOR LIGHTING	L	12	20/1	7	A	8	20/1	12	EL	EXTERIOR LIGHTS	420	
	760	LIGHTS	L	12	20/1	9	B	10	20/1			SPARE		
	2630	CORRIDOR LIGHTING	L	12	20/1	11	C	12	20/1			SPARE		
		SPARE			20/1	13	A	14	20/1			SPARE		
		SPARE			20/1	15	B	16	20/1			SPARE		
		SPARE			20/1	17	C	18	20/1			SPARE		
		SPARE			20/1	19	A	20	20/1			SPARE		
		SPARE			20/1	21	B	22	20/1			SPARE		
		SPARE			20/1	23	C	24	20/1			SPARE		
		SPARE			20/1	25	A	26	20/1			SPARE		
		SPARE			20/1	27	B	28	20/1			SPARE		
		SPACE				29	C	30	20/1			SPARE		
		SPACE				31	A	32				SPACE		
		SPACE				33	B	34				SPACE		
		SPACE				35	C	36				SPACE		
		SPACE				37	A	38				SPACE		
		SPACE				39	B	40				SPACE		
		SPACE				41	C	42				SPACE		
	14,160	Subtotal										Subtotal	8,100	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.		Conn.	Fct.	Diversity
220-13	(R) Recept.	0	100%	0	220-10(b)	(L) Lighting	21,840	125%	27,300
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	420	125%	525
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	0	100%	0	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	5,100	100%	5,100		(SP) Sub Panel	19,500	100%	19,500

Total Connected Load 41,760 VA = 50.2527 AMPS
Total Load (Diversified 47,325 VA = 56.9 AMPS

Location of Panel: ELECTRICAL ROOM

Lighting Class Panelboard C2HB

22,000 AIC Rating
Existing
X New

277/480 Volt,3-Phase,4-Wire | 1 Section | 1 -Nema Rating | MCB MLO | 225 AMP MCB | AMP BUS (Copper) | ISO. GRND. BUS | X Single Double Feed - Thru | Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	2700	CORRIDOR LIGHTS	L	12	20/1	1	A	2	20/1	12	L	LIGHTING	3360	
	2160	LIGHTS	L	12	20/1	3	B	4	20/1	12	L	LIGHTING	3360	
	2160	LIGHTS	L	12	20/1	5	C	6	20/1	12	L	LIGHTING	3360	
		SPARE			20/1	7	A	8	20/1	12	L	LIGHTING	2400	
		SPARE			20/1	9	B	10	20/1			SPARE		
		SPARE			20/1	11	C	12	20/1			SPARE		
		SPARE			20/1	13	A	14	20/1			SPARE		
		SPARE			20/1	15	B	16	20/1			SPARE		
		SPARE			20/1	17	C	18	20/1			SPARE		
		SPARE			20/1	19	A	20	20/1			SPARE		
		SPARE			20/1	21	B	22	20/1			SPARE		
		SPARE			20/1	23	C	24	20/1			SPARE		
		SPARE			20/1	25	A	26	20/1			SPARE		
		SPACE				27	B	28				SPACE		
		SPACE				29	C	30				SPACE		
		SPACE				31	A	32				SPACE		
		SPACE				33	B	34				SPACE		
		SPACE				35	C	36				SPACE		
		SPACE				37	A	38				SPACE		
		SPACE				39	B	40				SPACE		
		SPACE				41	C	42				SPACE		
	7,020	Subtotal										Subtotal	12,480	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.		Conn.	Fct.	Diversity
220-13	(R) Recept.	0	100%	0	220-10(b)	(L) Lighting	19,500	125%	24,375
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0

Lighting Class Panelboard C2LB

10,000 AIC Rating — Existing — X New

120/208 Volt,3-Phase,4-Wire — 1 Section — 1 -Nema Rating — X MCB MLO — 225 AMP MCB 225 AMP BUS (Copper) ISO. GRND. BUS — X Single Double Feed - Thru — Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	180	RECEPTACLE	R	12	20/1	1	A	2	20/1	12	R	RECEPTACLE	1440	
	1440	RECEPTACLE	R	12	20/1	3	B	4	20/1	12	R	RECEPTACLE	1440	
	1440	RECEPTACLE	R	12	20/1	5	C	6	20/1	12	R	RECEPTACLE	1440	
	1440	RECEPTACLE	R	12	20/1	7	A	8	20/1	12	R	RECEPTACLE	1440	
	1440	RECEPTACLE	R	12	20/1	9	B	10	20/1	12	R	RECEPTACLE	1440	
	1440	RECEPTACLE	R	12	20/1	11	C	12	20/1	12	R	RECEPTACLE	1440	
	500	EDF	R	12	20/1	13	A	14	20/1	12	R	EDF	500	
	1040	HAND DRYER	M	12	20/2	15	B	16	20/2	12	M	HAND DRYER	1040	
	1040	-	M	12	-	17	C	18	-	12	M	-	1040	
	900	RECEPTACLE	R	12	20/1	19	A	20	20/1	12	R	RECEPTACLE	1440	
	500	EDF	R	12	20/1	21	B	22	20/1	12	R	RECEPTACLE	1440	
	1440	RECEPTACLE	R	12	20/1	23	C	24	20/1	12	R	RECEPTACLE	1440	
	1440	RECEPTACLE	R	12	20/1	25	A	26	20/1	12	R	RECEPTACLE	1440	
	1440	RECEPTACLE	R	12	20/1	27	B	28	20/1	12	R	RECEPTACLE	1080	
	1080	RECEPTACLE	R	12	20/1	29	C	30	20/1	12	R	RECEPTACLE	1080	
	900	RECEPTACLE	R	12	20/1	31	A	32	20/1	12	R	RECEPTACLE	1440	
	1040	HAND DRYER	M	12	20/2	33	B	34	20/1	12	R	RECEPTACLE	1080	
	1040	-	M	12	-	35	C	36	20/1			SPARE		
	1040	HAND DRYER	M	12	20/2	37	A	38	60/3	6		TVSS		
	1040	-	M	12	-	39	B	40				-		
		SPARE			20/1	41	C	42				-		
	21,820	Subtotal										Subtotal	21,560	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.	Load Type	Conn.	Fct.	Diversity
220-13	(R) Recept.	35,160		22,580	220-10(b)	(L) Lighting	0	125%	0
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	0	100%	0	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	8,320	100%	8,320		(SP) Sub Panel	0	100%	0

Total Connected Load 43,480 VA = 120.778 AMPS
Total Load (Diversified 30,900 VA = 85.6 AMPS
Location of Panel: ELECTRICAL ROOM

Lighting Class Panelboard C1LC

10,000 AIC Rating — Existing — X New

120/208 Volt,3-Phase,4-Wire — 1 Section — 1 -Nema Rating — X MCB MLO — 225 AMP MCB 225 AMP BUS (Copper) ISO. GRND. BUS — X Single Double Feed - Thru — Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	1440	RECEPTACLES	R	12	20/1	1	A	2	20/1	12	R	RECEPTACLES	540	
	540	RECEPTACLES	R	12	20/1	3	B	4	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	5	C	6	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	7	A	8	20/1	12	R	RECEPTACLES	1440	
	540	RECEPTACLES	R	12	20/1	9	B	10	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	11	C	12	20/1	12	R	RECEPTACLES	540	
	540	RECEPTACLES	R	12	20/1	13	A	14	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	15	B	16	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	17	C	18	20/1	12	R	RECEPTACLES	1440	
	540	RECEPTACLES	R	12	20/1	19	A	20	20/1	12	R	RECEPTACLES	540	
	540	RECEPTACLES	R	12	20/1	21	B	22	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	23	C	24	20/1	12	R	RECEPTACLES	540	
	1260	RECEPTACLES	R	12	20/1	25	A	26	20/1	12	R	RECEPTACLES	540	
	1440	RECEPTACLES	R	12	20/1	27	B	28	20/1	12	R	RECEPTACLES	1260	
	1080	RECEPTACLES	R	12	20/1	29	C	30	20/1	12	R	RECEPTACLES	1440	
	1080	RECEPTACLES	R	12	20/1	31	A	32	20/1	12	R	RECEPTACLES	1440	
	1000	RECEPTACLES	R	12	20/1	33	B	34	20/1	12	R	RECEPTACLES	1440	
	250	LIGHTING	L	12	20/1	35	C	36	60/3	6		TVSS		
		SPARE			20/1	37	A	38				-		
	500	F/S DAMPERS	M	12	20/1	39	B	40				-		
	21,010	Subtotal				41	C	42				-		
												Subtotal	16,900	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.	Load Type	Conn.	Fct.	Diversity
220-13	(R) Recept.	39,160		24,580	220-10(b)	(L) Lighting	250	125%	313
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	0	100%	0	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	500	100%	500		(SP) Sub Panel	28,900	100%	28,900

Total Connected Load 68,310 VA = 189.75 AMPS
Total Load (Diversified 53,793 VA = 149.4 AMPS
Location of Panel: ELECTRICAL ROOM

Lighting Class Panelboard C2LC

10,000 AIC Rating — Existing — X New

120/208 Volt,3-Phase,4-Wire — 1 Section — 1 -Nema Rating — X MCB MLO — 225 AMP MCB 225 AMP BUS (Copper) ISO. GRND. BUS — X Single Double Feed - Thru — Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	1440	RECEPTACLES	R	12	20/1	1	A	2	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	3	B	4	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	5	C	6	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	7	A	8	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	9	B	10	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	11	C	12	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	13	A	14	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	15	B	16	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	17	C	18	20/1	12	R	RECEPTACLES	1440	
	1440	TV RECEPTACLE	R	12	20/1	19	A	20	20/1			SPARE		
		SPARE			20/1	21	B	22	20/1			SPARE		
		SPARE			20/1	23	C	24	20/1			SPARE		
						25	A	26				SPARE		
						27	B	28				SPARE		
						29	C	30				SPARE		
						31	A	32				SPARE		
						33	B	34				SPARE		
						35	C	36				SPARE		
						37	A	38				SPARE		
						39	B	40				SPARE		
	14,400	Subtotal				41	C	42				Subtotal	12,960	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.	Load Type	Conn.	Fct.	Diversity
220-13	(R) Recept.	27,360		18,650	220-10(b)	(L) Lighting	0	125%	0
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	0	100%	0	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	0	100%	0		(SP) Sub Panel	18,680	100%	18,680

Total Connected Load 27,360 VA = 76 AMPS
Total Load (Diversified 18,680 VA = 51.9 AMPS
Location of Panel: ELECTRICAL ROOM

Lighting Class Panelboard C1LD

10,000 AIC Rating — Existing — X New

120/208 Volt,3-Phase,4-Wire — 1 Section — 1 -Nema Rating — X MCB MLO — 225 AMP MCB 225 AMP BUS (Copper) ISO. GRND. BUS — X Single Double Feed - Thru — Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	1440	RECEPTACLE	R	12	20/1	1	A	2	20/1	12	R	RECEPTACLE	1440	
	1000	EQUIPMENT	R	12	20/2	3	B	4	20/2	12	R	EQUIPMENT	1000	
	1000	-	R	12	-	5	C	6	-	12	R	-	1000	
	1620	RECEPTACLE	R	12	20/1	7	A	8	20/1	12	R	RECEPTACLE	1080	
	200	ELEV RECEPT.	R	12	20/1	9	B	10	20/1	12	M	SUMP PUMP	828	
	900	RECEPTACLE	R	12	20/1	11	C	12	20/1	12	R	RECEPTACLE	1440	
	1440	RECEPTACLE	R	12	20/1	13	A	14	20/1	12	R	RECEPTACLE	1080	
	1440	RECEPTACLE	R	12	20/1	15	B	16	20/1	12	R	RECEPTACLE	1440	
		SPARE			20/1	17	C	18	20/1	12	R	RECEPTACLE	180	
	1200	RECEPTACLE	R	12	20/1	19	A	20	20/1	12	R	RECEPTACLE	1200	
	540	RECEPTACLE	R	12	20/1	21	B	22	20/1	12	R	RECEPTACLE	1440	
	1440	RECEPTACLE	R	12	20/1	23	C	24	20/1	12	R	RECEPTACLE	1440	
	1440	RECEPTACLE	R	12	20/1	25	A	26	20/1	12	R	RECEPTACLE	1440	
	1440	RECEPTACLE	R	12	20/1	27	B	28	20/1	12	R	RECEPTACLE	1080	
	1040	HAND DRYER	R	12	20/2	31	A	32	20/1	12	R	RECEPTACLE	1200	
	1040	-				33	B	34	20/2			HAND DRYER	1040	
	1040	HAND DRYER				35	C	36				-	1040	
	1040	-				37	A	38	60/3	6		TVSS		
	1040	HAND DRYER				39	B	40				-		
	1040	-				41	C	42				-		
	22,780	Subtotal										Subtotal	19,908	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.	Load Type	Conn.	Fct.	Diversity
220-13	(R) Recept.	35,200		22,000	220-10(b)	(L) Lighting	0	125%	0
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	0	100%	0	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	0	100%	0		(SP) Sub Panel	22,796	100%	22,796

Total Connected Load 57,996 VA = 161.1 AMPS
Total Load (Diversified 40,396 VA = 126.1 AMPS
Location of Panel: ELECTRICAL ROOM

Lighting Class Panelboard C2LD

10,000 AIC Rating — Existing — X New

120/208 Volt,3-Phase,4-Wire — 1 Section — 1 -Nema Rating — X MCB MLO — 225 AMP MCB 225 AMP BUS (Copper) ISO. GRND. BUS — X Single Double Feed - Thru — Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	1440	RECEPTACLES	R	12	20/1	1	A	2	20/1	12	R	TV RECEPT.		
	1080	RECEPTACLES	R	12	20/1	3	B	4	20/1	12	R	RECEPTACLES	1080	
	1080	RECEPTACLES	R	12	20/1	5	C	6	20/1	12	R	RECEPTACLES	1080	
	1080	RECEPTACLES	R	12	20/1	7	A	8	20/1	12	R	RECEPTACLES	1080	
	500	EDF	R	12	20/1	9	B	10	20/1	12	R	EDF	500	
	1040	HAND DRYER	M	12	20/2	11	C	12	20/1	12	R	HAND DRYER	1040	
	1040	-	M	12	-	13	A	14	20/1	12	R	HAND DRYER	1040	
	1280	RECEPTACLES	R	12	20/1	15	B	16	20/1	12	R	RECEPTACLES	1440	
	720	RECEPTACLES	R	12	20/1	17	C	18	20/1	12	R	RECEPTACLES	720	
	720	RECEPTACLES	R	12	20/1	19	A	20	20/1	12	R	RECEPTACLES	1440	
	1080	RECEPTACLES	R	12	20/1	21	B	22	20/1			SPARE		
	1040	HAND DRYER	M	12	20/1	23	C	24	20/1	12	M	EDF	500	
	1040	-	M	12	20/1	25	A	26	20/1	12	M	EDF	500	
	1040	HAND DRYER	M	12	20/1	27	B	28	20/1			SPARE		
	1040	-	M	12	-	29	C	30	20/1			SPARE		
	500	EF-6C	M	12	20/1	31	A	32	20/1			SPARE		
	500	DAMPERS	M	12	20/1	33	B	34	20/1			SPARE		
		SPARE			20/1	35	C	36	20/1			SPARE		
		SPARE			20/1	37	A	38	60/3	6		TVSS		
		SPARE			20/1	39	B	40				-		
		SPARE			20/1	41	C	42				-		
	16,928	Subtotal										Subtotal	10,420	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.	Load Type	Conn.	Fct.	Diversity
220-13	(R) Recept.	0		0	220-10(b)	(L) Lighting	0	125%	0
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	0	100%	0	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	0	100%	0		(SP) Sub Panel	6,120	100%	6,120

Total Connected Load 6,120 VA = 17 AMPS
Total Load (Diversified 6,120 VA = 17.0 AMPS
Location of Panel: SCIENCE LAB

Lighting Class Panelboard C1LE

10,000 AIC Rating — Existing — X New

120/208 Volt,3-Phase,4-Wire — 1 Section — 1 -Nema Rating — X MCB MLO — 225 AMP MCB 225 AMP BUS (Copper) ISO. GRND. BUS — X Single Double Feed - Thru — Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	1440	RECEPTACLES	R	12	20/1	1	A	2	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	3	B	4	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	5	C	6	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	7	A	8	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	9	B	10	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	11	C	12	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	13	A	14	20/1	12	R	RECEPTACLES	1440	
	1260	RECEPTACLES	R	12	20/1	15	B	16	20/1	12	R	RECEPTACLES	1440	
	720	RECEPTACLES	R	12	20/1	17	C	18	20/1	12	R	RECEPTACLES	720	
	1440	RECEPTACLES	R	12	20/1	19	A	20	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	21	B	22	20/1	12	R	RECEPTACLES	1000	
	1260	RECEPTACLES	R	12	20/1	23	C	24	20/1	12	R	RECEPTACLES	1440	
	300	LIGHTS	L	12	20/1	25	A	26	20/1			SPARE		
	1440	CAB LTS & PWR	L	10	30/2	27	B	28	20/1			SPARE		
	1440	-	L	-	-	29	C	30	20/1			SPARE		
		SPARE			20/1	31	A	32	20/1			SPARE		
		SPARE			20/1	33	B	34	20/1			SPARE		
		SPARE			20/1	35	C	36	20/1			SPARE		
		SPARE			20/1	37	A	38	20/1			SPARE		
		SPARE			20/1	39	B	40	20/1			SPARE		
		SPARE			20/1	41	C	42	20/1			SPARE		
	19,380	Subtotal										Subtotal	15,940	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.	Load Type	Conn.	Fct.	Diversity
220-13	(R) Recept.	32,140		21,070	220-10(b)	(L) Lighting	300	125%	375
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	0	100%	0	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	0	100%	0		(SP) Sub Panel	18,680	100%	18,680

Total Connected Load 51,120 VA = 142 AMPS
Total Load (Diversified 40,125 VA = 111.5 AMPS
Location of Panel: ELECTRICAL ROOM

Lighting Class Panelboard C2LE

10,000 AIC Rating — Existing — X New

120/208 Volt,3-Phase,4-Wire — 1 Section — 1 -Nema Rating — X MCB MLO — 225 AMP MCB 225 AMP BUS (Copper) ISO. GRND. BUS — X Single Double Feed - Thru — Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	1440	RECEPTACLES	R	12	20/1	1	A	2	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	3	B	4	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	5	C	6	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	7	A	8	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	9	B	10	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	11	C	12	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	13	A	14	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	15	B	16	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	17	C	18	20/1	12	R	RECEPTACLES	1440	
	1440	TV RECEPTACLE	R	12	20/1	19	A	20	20/1			SPARE		
		SPARE			20/1	21	B	22	20/1			SPARE		
		SPARE			20/1	23	C	24	20/1			SPARE		
						25	A	26				SPARE		
						27	B	28				SPARE		
						29	C	30				SPARE		
						31	A	32				SPARE		
						33	B	34				SPARE		
						35	C	36				SPARE		
						37	A	38				SPARE		
						39	B	40				SPARE		
						41	C	42				SPARE		
	14,400	Subtotal										Subtotal	12,960	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.	Load Type	Conn.	Fct.	Diversity
220-13	(R) Recept.	27,360		18,650	220-10(b)	(L) Lighting	0	125%	0
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	0	100%	0	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	0	100%	0		(SP) Sub Panel	0	100%	0

Total Connected Load 27,360 VA = 76 AMPS
Total Load (Diversified 18,680 VA = 51.9 AMPS
Location of Panel: ELECTRICAL ROOM

Lighting Class Panelboard C2LF

10,000 AIC Rating — Existing — X New

120/208 Volt,3-Phase,4-Wire — 1 Section — 1 -Nema Rating — X MCB MLO — 150 AMP MCB 225 AMP BUS (Copper) ISO. GRND. BUS — X Single Double Feed - Thru — Mounting Surface Flush X

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	1440	RECEPTACLES	R	12	20/1	1	A	2	20/1	12	R	RECEPTACLES	1440	
	360	RECEPTACLES	R	12	20/1	3	B	4	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	5	C	6	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	7	A	8	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	9	B	10	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	11	C	12	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	13	A	14	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	15	B	16	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	17	C	18	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	19	A	20	20/1			SPARE		
		SPARE			20/1	21	B	22	20/1			SPARE		
		SPARE			20/1	23	C	24	20/1			SPARE		
						25	A	26						
						27	B	28						
						29	C	30						
						31	A	32						
						33	B	34						
						35	C	36						
						37	A	38						
						39	B	40						
						41	C	42						
	13,320	Subtotal										Subtotal	12,960	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.	Load Type	Conn.	Fct.	Diversity
220-13	(R) Recept.	26,280		18,140	220-10(b)	(L) Lighting	0	125%	0
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0	125%	0
220-21	(C) Cooling	0	0%	0	620-14	(E) Elevators	0	100%	0
220-21	(H) Heating	0	0%	0		(WH) Water Ht.	0	100%	0
220-21	(F) Fans	0	100%	0	220-14	(MT) Lrg. Mot.	0	125%	0
	(M) Misc.	0	100%	0		(SP) Sub Panel	0	100%	0

Total Connected Load 26,280 VA = 73 AMPS
Total Load (Diversified 18,140 VA = 50.4 AMPS
Location of Panel: ELECTRICAL ROOM

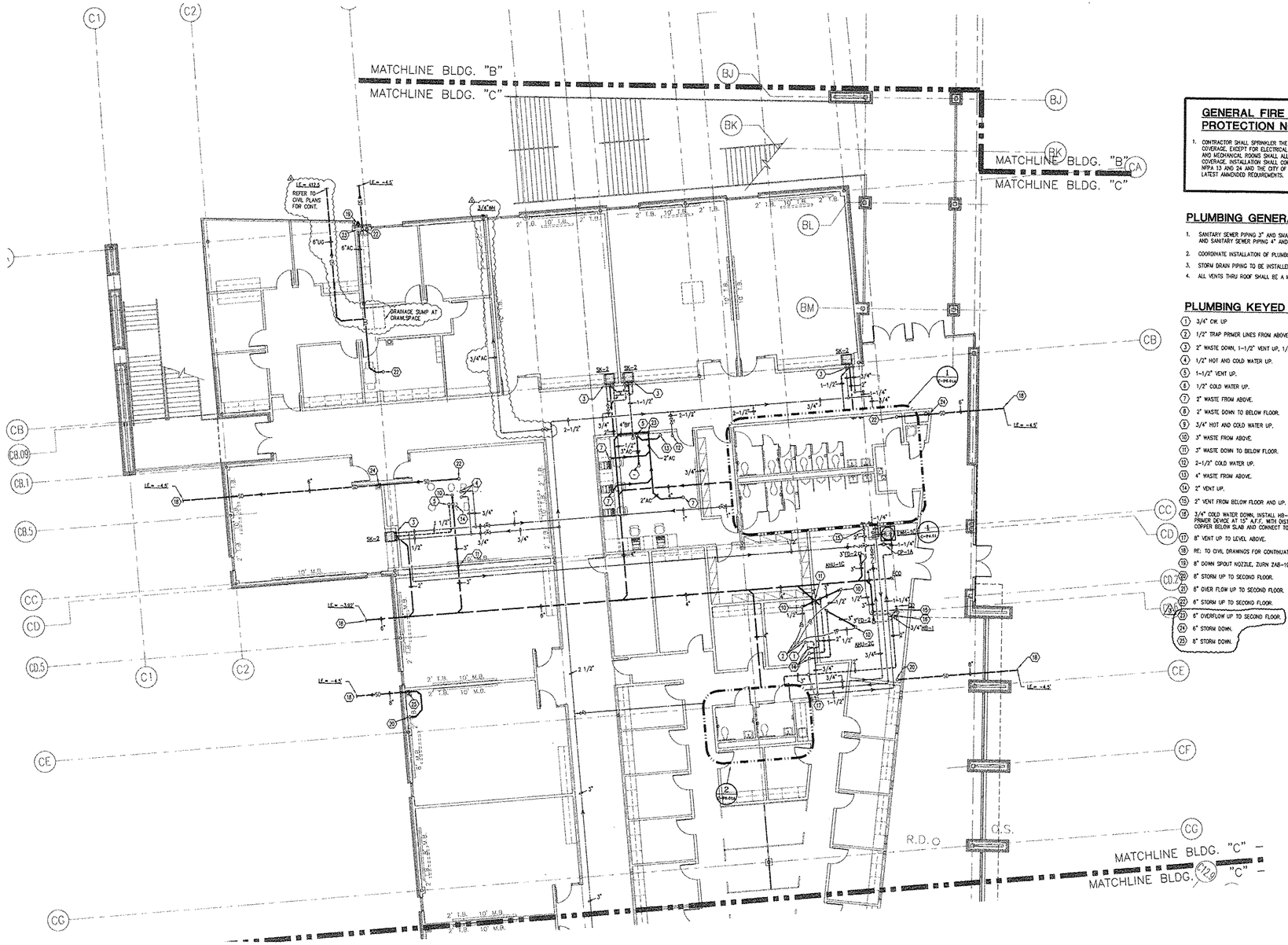
Lighting Class Panelboard C1SLA

10,000 AIC Rating — Existing — X New

120/208 Volt,3-Phase,4-Wire — 1 Section — 1 -Nema Rating — X MCB MLO — 125 AMP MCB 125 AMP BUS (Copper) ISO. GRND. BUS — X Single Double Feed - Thru — Mounting Surface X Flush

Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes
	720	RECEPTACLES	R	12	20/1	1	A	2	20/1	12	R	RECEPTACLES	1080	
	360	RECEPTACLES	R	12	20/1	3	B	4	20/1	12	R	RECEPTACLES	1440	
	1440	RECEPTACLES	R	12	20/1	5	C	6	20/1	12	R	RECEPTACLES	1080	
		SPARE			20/1	7	A	8	20/1			SPARE		
		SPARE			20/1	9	B	10	20/1			SPARE		
		SPARE			20/1	11	C	12	20/1			SPARE		
						13	A	14						
						15	B	16						
						17	C	18						
						19	A	20						
						21	B	22						
						23	C	24						
						25	A	26						
						27	B	28						
						29	C	30						
						31	A	32						
						33	B	34						
						35	C	36						
						37	A	38						
						39	B	40						
						41	C	42						
	2,520	Subtotal										Subtotal	3,600	

N.E.C.	Load Type	Conn.	Fct.	Diversity	N.E.C.	Load Type	Conn.	Fct.	Diversity
220-13	(R) Recept.	0		0	220-10(b)	(L) Lighting	0	125%	0
220-20	(K) Kitchen	0	100%	0		(EL) Ext. Ltg.	0



GENERAL FIRE PROTECTION NOTES:

1. CONTRACTOR SHALL SPRINKLER THE ENTIRE FLOOR AND PROVIDE LIGHT HAZARD COVERAGE, EXCEPT FOR ELECTRICAL CLOSETS, JANITOR'S CLOSETS, STORAGE AND MECHANICAL ROOMS SHALL ALL RECEIVE ORDINARY HAZARD GROUP 2 COVERAGE. INSTALLATION SHALL COMPLY WITH THE LATEST REQUIREMENTS OF NFPA 13 AND 24 AND THE CITY OF LAREDO, TEXAS FIRE DEPARTMENT'S LATEST AMMENDED REQUIREMENTS.

PLUMBING GENERAL NOTES:

1. SANITARY SEWER PIPING 3" AND SMALLER TO BE INSTALLED AT A 2% SLOPE AND SANITARY SEWER PIPING 4" AND LARGER TO BE INSTALLED AT A 1% SLOPE.
2. COORDINATE INSTALLATION OF PLUMBING WORK WITH OTHER DISCIPLINES.
3. STORM DRAIN PIPING TO BE INSTALLED AT A 1% SLOPE.
4. ALL VENTS THRU ROOF SHALL BE A MIN. OF 10'-0" FROM AN OUTSIDE AIR INTAKE.

PLUMBING KEYED NOTES:

1. 3/4" CW. UP
2. 1/2" TRAP PRIMER LINES FROM ABOVE, ROUTE AND CONNECT TO DRAIN AS SHOWN.
3. 2" WASTE DOWN, 1-1/2" VENT UP, 1/2" H & CW. DOWN.
4. 1/2" HOT AND COLD WATER UP.
5. 1-1/2" VENT UP.
6. 1/2" COLD WATER UP.
7. 2" WASTE FROM ABOVE.
8. 2" WASTE DOWN TO BELOW FLOOR.
9. 3/4" HOT AND COLD WATER UP.
10. 3" WASTE FROM ABOVE.
11. 3" WASTE DOWN TO BELOW FLOOR.
12. 2-1/2" COLD WATER UP.
13. 4" WASTE FROM ABOVE.
14. 2" VENT UP.
15. 2" VENT FROM BELOW FLOOR AND UP.
16. 3/4" COLD WATER DOWN, INSTALL HB-1 AT 24" A.F.F., 1/2" C.W. LINE TO TRAP PRIMER DEVICE AT 15" A.F.F. WITH DISTRIBUTION UNIT AND ROUTE 1/2" TYPE "K" COPPER BELOW SLAB AND CONNECT TO FLOOR DRAINS.
17. 8" VENT UP TO LEVEL ABOVE.
18. RE: TO CIVIL DRAWINGS FOR CONTINUATION.
19. 8" DOWN SPOUT NOZZLE, ZURN Z4B-199
20. 8" STORM UP TO SECOND FLOOR.
21. 6" OVER FLOW UP TO SECOND FLOOR.
22. 6" STORM UP TO SECOND FLOOR.
23. 6" OVERFLOW UP TO SECOND FLOOR.
24. 6" STORM DOWN.
25. 8" STORM DOWN.

1 / P2.01A BLDG. C - PLUMBING PLAN - FIRST LEVEL - AREA 'A'
1/8" = 1'-0"

Laredo Community College
Second Campus

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West End Washington St.
Laredo, Texas 78040

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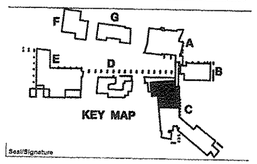
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Issue		Date & Issue Description	By	Check
---	01	10.11.01		
		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		
2	06	05.06.02		
		ADDENDUM No. 2		
3	07	05.10.02		
		ADDENDUM No. 3		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



Seal/Signature

STATE OF TEXAS
BRIAN C. UHLRICH
86412
LICENSED PROFESSIONAL ENGINEER
06-12-02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

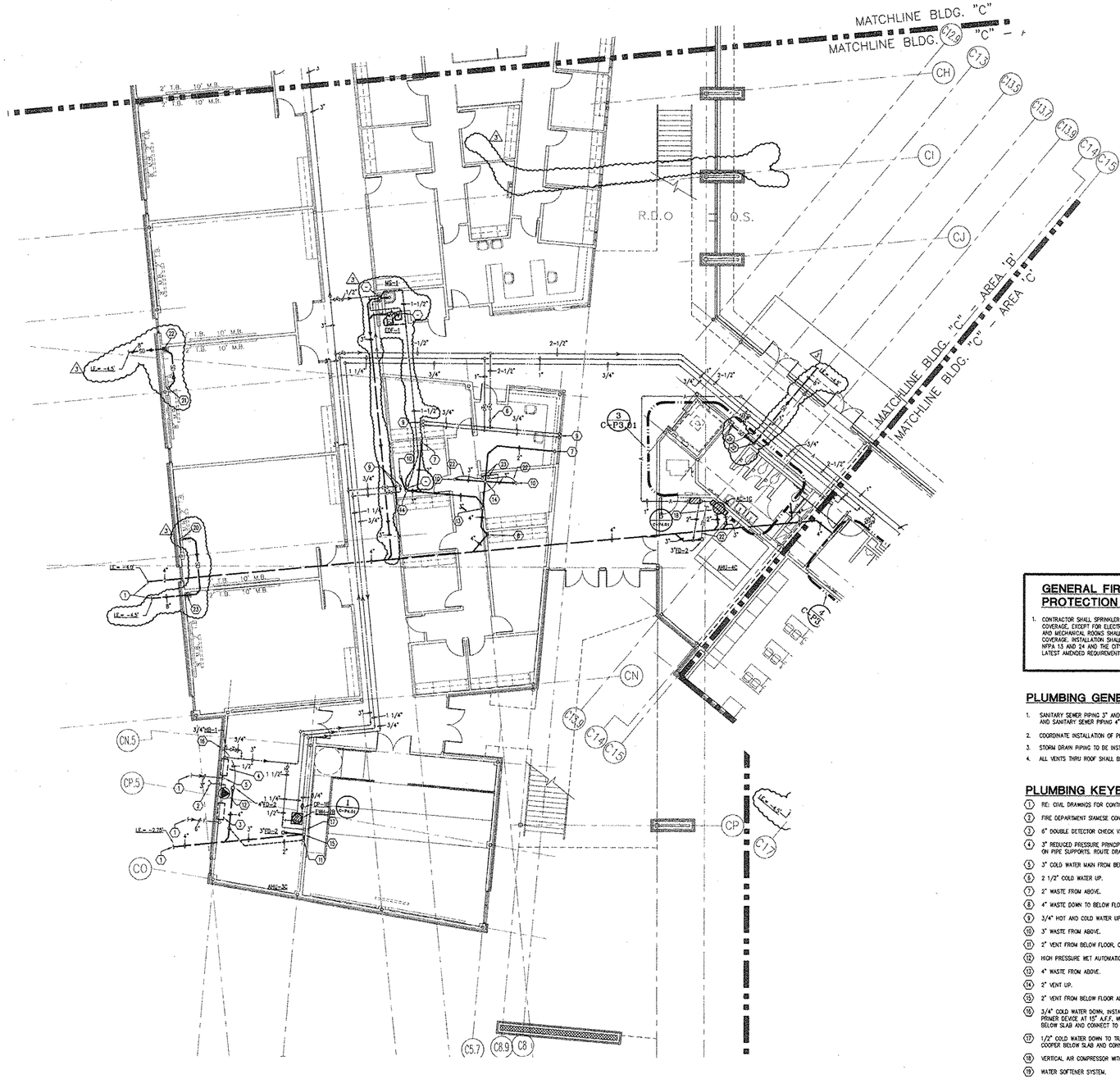
Description
BUILDING C - PLUMBING PLAN -
FIRST LEVEL - AREA A

Scale
1/8"=1'-0"

True North
Grid North

C-P2.01A

©2001 Gensler



1 P2.01B **BLDG. C - PLUMBING PLAN - FIRST LEVEL- AREA 'B'**
1/8" = 1'-0"

GENERAL FIRE PROTECTION NOTES:

1. CONTRACTOR SHALL SPRINKLER THE ENTIRE FLOOR AND PROVIDE LIGHT HAZARD COVERAGE, EXCEPT FOR ELECTRICAL CLOSETS, JANITOR'S CLOSETS, STORAGE AND MECHANICAL ROOMS SHALL ALL RECEIVE ORDINARY HAZARD GROUP 2 COVERAGE. INSTALLATION SHALL COMPLY WITH THE LATEST REQUIREMENTS OF NFPA 13 AND 24 AND THE CITY OF LAREDO, TEXAS FIRE DEPARTMENT'S LATEST AMENDED REQUIREMENTS.

PLUMBING GENERAL NOTES:

1. SANITARY SEWER PIPING 3" AND SMALLER TO BE INSTALLED AT A 2% SLOPE. AND SANITARY SEWER PIPING 4" AND LARGER TO BE INSTALLED AT A 1% SLOPE.
2. COORDINATE INSTALLATION OF PLUMBING WORK WITH OTHER DISCIPLINES.
3. STORM DRAIN PIPING TO BE INSTALLED AT A 1% SLOPE.
4. ALL VENTS THRU ROOF SHALL BE A MIN. OF 10'-0" FROM AN OUTSIDE AIR INTAKE.

PLUMBING KEYED NOTES:

1. RE: CIVIL DRAWINGS FOR CONTINUATION.
2. FIRE DEPARTMENT SIAMESE CONNECTION.
3. 6" DOUBLE DETECTOR CHECK VALVE BACKFLOW PREVENTER ASSEMBLY.
4. 3" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER MOUNTED AT 1' A.F.F. ON PIPE SUPPORTS. ROUTE DRAIN LINE FULL SIZE TO FLOOR DRAIN.
5. 3" COLD WATER MAIN FROM BELOW, PROVIDE SHUT-OFF VALVE IN THE VERTICAL.
6. 2 1/2" COLD WATER UP.
7. 2" WASTE FROM ABOVE.
8. 4" WASTE DOWN TO BELOW FLOOR.
9. 3/4" HOT AND COLD WATER UP.
10. 3" WASTE FROM ABOVE.
11. 2" VENT FROM BELOW FLOOR, CONNECTED AS SHOWN.
12. HIGH PRESSURE WET AUTOMATIC SPRINKLER ARM VALVE SYSTEM ASSEMBLY.
13. 4" WASTE FROM ABOVE.
14. 2" VENT UP.
15. 2" VENT FROM BELOW FLOOR AND UP.
16. 3/4" COLD WATER DOWN, INSTALL HB-1 AT 24" A.F.F., 1/2" COLD WATER LINE TO TRAP PRIMER DEVICE AT 15" A.F.F. WITH DISTRIBUTION UNIT AND ROUTE 1/2" TYPE "K" COPPER BELOW SLAB AND CONNECT TO FLOOR DRAINS.
17. 1/2" COLD WATER DOWN TO TRAP PRIMER DEVICE AT 15" A.F.F., ROUTE 1/2" TYPE "K" COOPER BELOW SLAB AND CONNECT TO FLOOR DRAIN.
18. VERTICAL AIR COMPRESSOR WITH AIR DRYER.
19. WATER SOFTENER SYSTEM.
20. 8" STORM UP TO FLOOR ABOVE.
21. 6" STORM UP TO FLOOR ABOVE.
22. 6" STORM DOWN.
23. 8" STORM DOWN.

Laredo Community College
Second Campus

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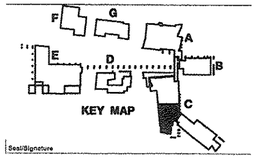
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	Issue	Date & Issue Description	By	Check
--	01	10.11.01		
		SCHEMATIC DESIGN & PRICING		
	02	12.06.01		
		DESIGN DEVELOPMENT		
	03	02.15.02		
		50% C.D. REVIEW		
	04	03.15.02		
		90% C.D. REVIEW		
	05	04.11.02		
		CONSTRUCTION DOCUMENTS		
2	06	05.06.02		
		ADDENDUM No. 2		
3	07	05.10.02		
		ADDENDUM No. 3		

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

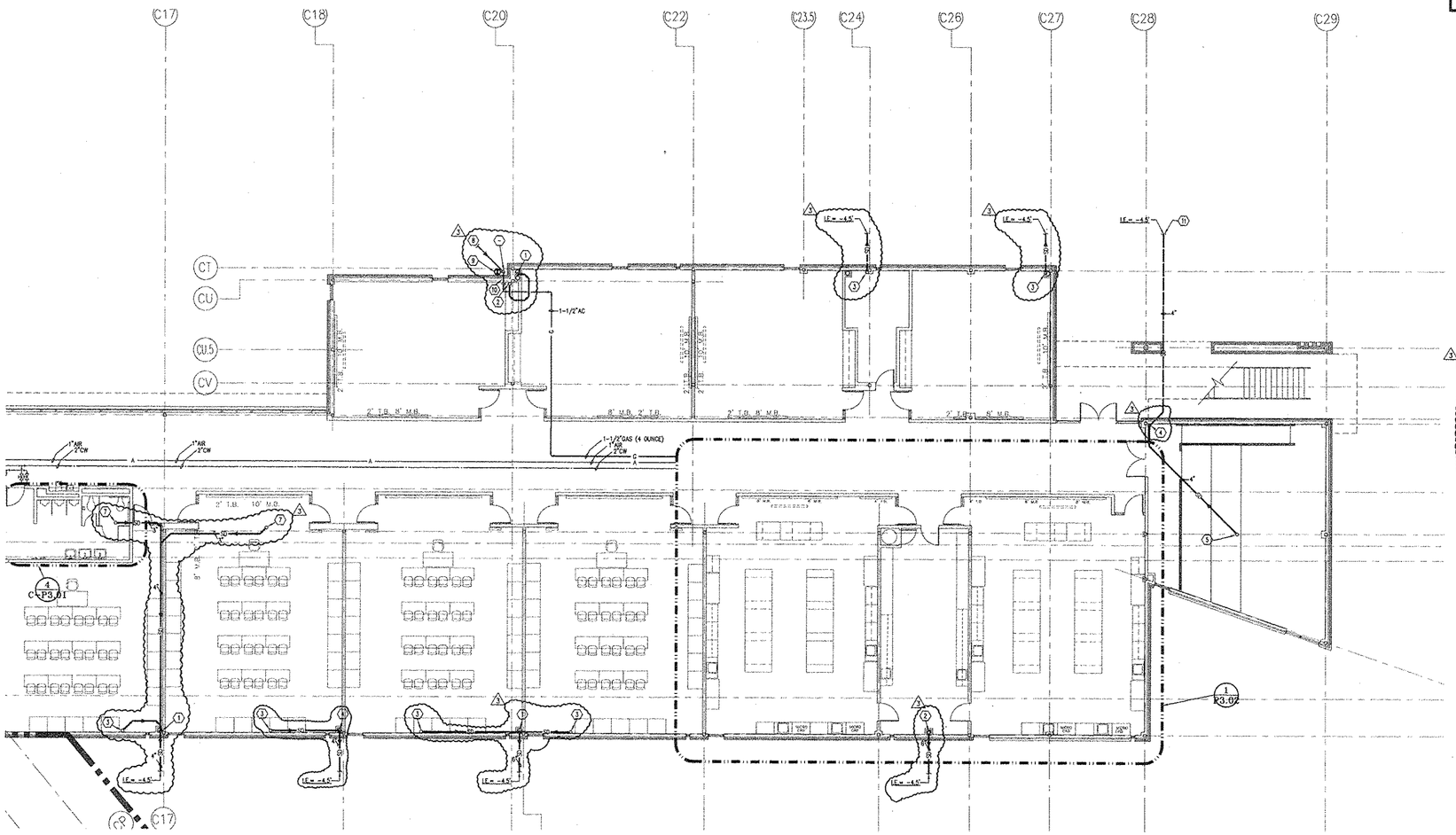
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BUILDING C – PLUMBING PLAN –
FIRST LEVEL – AREA B

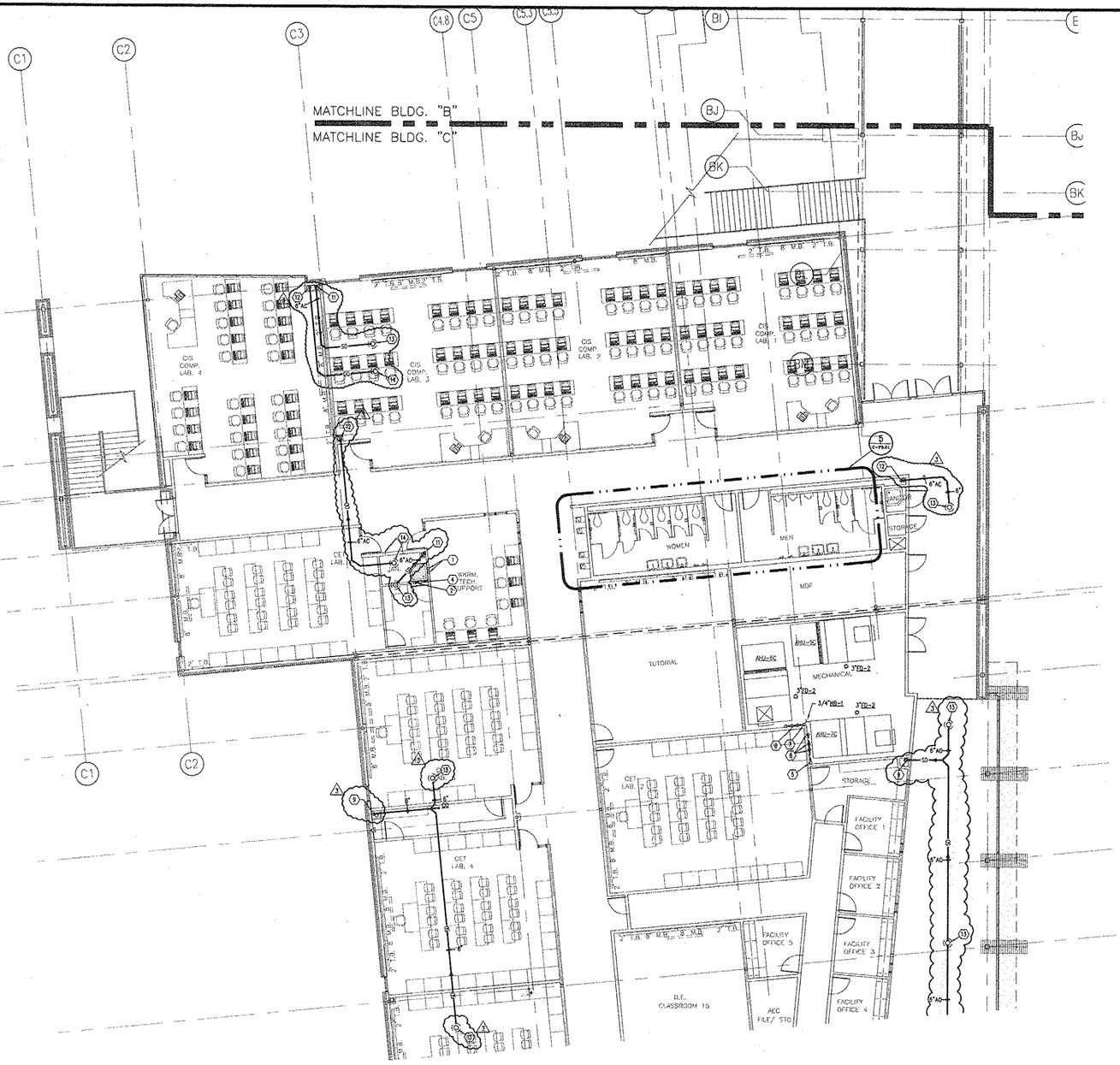
Scale
1/8"=1'-0"

True North
Ref. North

C-P2.01B

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C17
C18
C20
C22
C23.5
C24
C26
C27
C28
C29
CT
CU
CU.5
CV
1-1/2"AC
1-1/2"GAS (4 OUNCE)
2" T.B., 8" M.B.
8" M.B., 2" T.B.
2" T.B., 8" M.B.
2" T.B., 8" M.B.
2" T.B., 10" M.B.
1" AIR 2"CW
1" AIR 2"CW
1" AIR 2"CW



GENERAL FIRE PROTECTION NOTES:

1. CONTRACTOR SHALL SPRINKLER THE ENTIRE FLOOR AND PROVIDE LIGHT HAZARD COVERAGE, EXCEPT FOR ELECTRICAL CLOSETS, JANITOR'S CLOSETS, STORAGE AND MECHANICAL ROOMS SHALL ALL RECEIVE ORDINARY HAZARD GROUP 2 COVERAGE. INSTALLATION SHALL COMPLY WITH THE LATEST REQUIREMENTS OF NFPA 13 AND 24 AND THE CITY OF LAREDO, TEXAS FIRE DEPARTMENT'S LATEST AMENDED REQUIREMENTS.

PLUMBING GENERAL NOTES:

1. SANITARY SEWER PIPING 3" AND SMALLER TO BE INSTALLED AT A 2% SLOPE AND SANITARY SEWER PIPING 4" AND LARGER TO BE INSTALLED AT A 1% SLOPE.
2. COORDINATE INSTALLATION OF PLUMBING WORK WITH OTHER DISCIPLINES.
3. STORM DRAIN PIPING TO BE INSTALLED AT A 1% SLOPE.
4. ALL VENTS THRU ROOF SHALL BE A MIN. OF 10'-0" FROM AN OUTSIDE AIR INTAKE.

PLUMBING KEYED NOTES:

1. 1/2" HOT AND COLD WATER FROM BELOW.
2. 1-1/2" VENT FROM BELOW.
3. 2" VENT FROM BELOW.
4. 2" VENT FROM BELOW AND UP TO 2" VTR.
5. 3" VENT FROM BELOW AND UP TO 3" VTR.
6. 2" VENTS FROM BELOW, MANIFOLD TOGETHER AND CONNECT TO 3" VTR.
7. 3/4" COLD WATER FROM BELOW, INSTALL HB-1 AT 24" A.F.F.
8. 1/2" COLD WATER LINE TO RMP PRIMER DEVICE AT 15" A.F.F. WITH DISTRIBUTION AND ROUTE 1/2" COPPER LINES TO BELOW FLOOR. REF: 1/C-P2.01A
9. 8" STORM DOWN TO FLOOR BELOW.
10. 8" OVER FLOW DOWN TO FLOOR BELOW.
11. 6" STORM DOWN TO FLOOR BELOW.
12. 6" OVERFLOW DOWN TO FLOOR BELOW.
13. 6" ROOF DRAIN LINE FROM ROOF DRAIN ABOVE.
14. 6" OVERFLOW LINE FROM OVERFLOW DRA ABOVE.

1 P2.04A BLDG. C - PLUMBING PLAN - SECOND LEVEL - AREA 'A'
1/8" = 1'-0"

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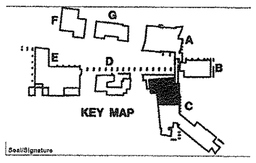
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	02	12.06.01 DESIGN DEVELOPMENT		
	03	02.15.02 50% C.D. REVIEW		
	04	03.15.02 90% C.D. REVIEW		
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2	06	05.06.02 ADDENDUM No. 2		
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ISSUE FOR
~~JUN 3 8 2002~~
CONSTRUCTION
CONSTRUCTION



Seal/Signature

STATE OF TEXAS
BRIAN C. UHLRICH
86412
LICENSED PROFESSIONAL ENGINEER
05-08-02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

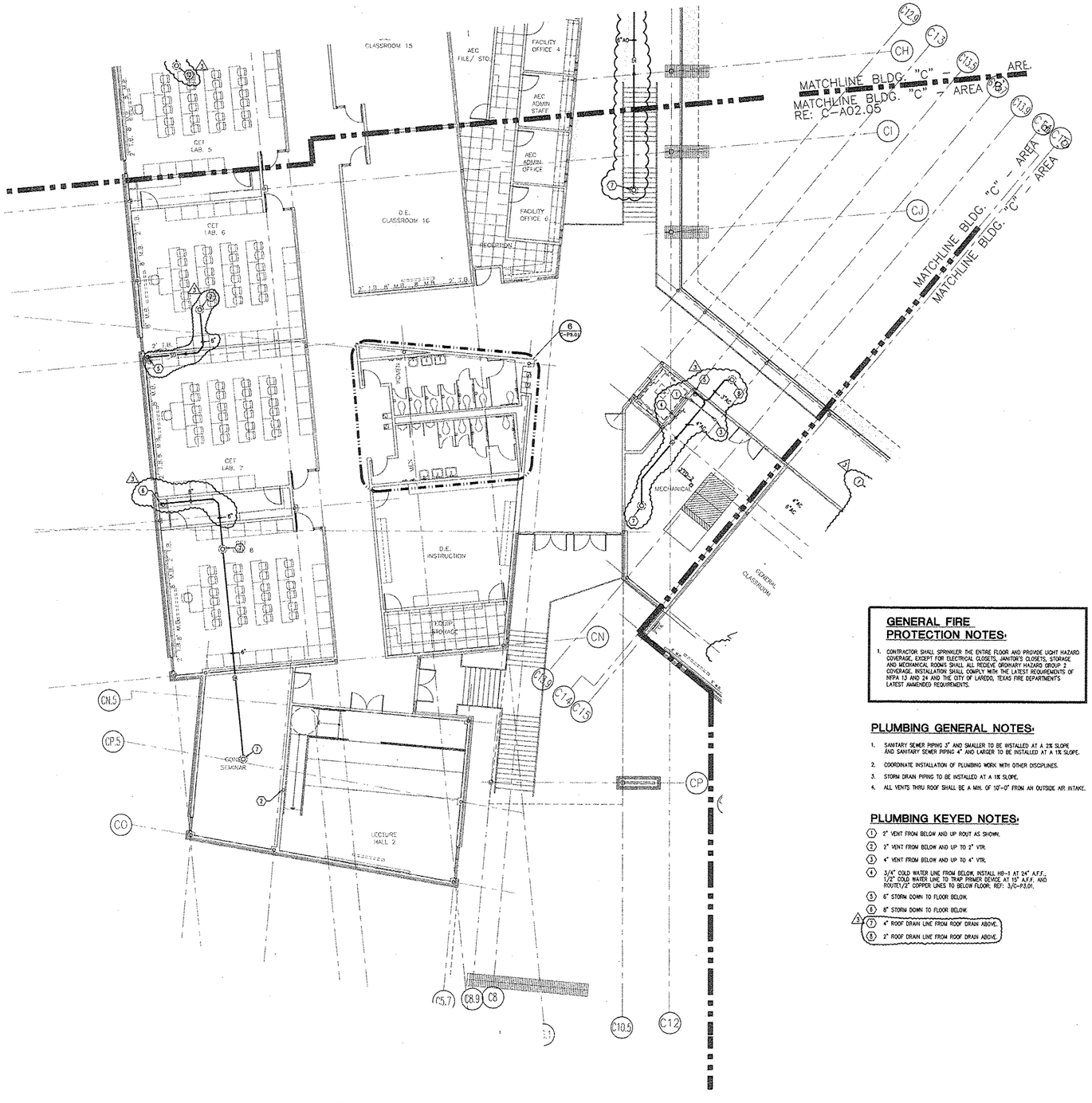
Description
BUILDING C - PLUMBING PLAN -
SECOND LEVEL - AREA A

Scale
1/8"=1'-0"

True North
Ref. North

C-P2.02A

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1 P2.05B — BLDG. C - PLUMBING PLAN - SECOND LEVEL - AREA 'B'
1/8" = 1'-0"

GENERAL FIRE PROTECTION NOTES:

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PLUMBING GENERAL NOTES:

1. SANITARY SEWER PIPING 3" AND SMALLER TO BE INSTALLED AT A 2% SLOPE AND SANITARY SEWER PIPING 4" AND LARGER TO BE INSTALLED AT A 1% SLOPE.
2. COORDINATE INSTALLATION OF PLUMBING WORK WITH OTHER DISCIPLINES.
3. STORM DRAIN PIPING TO BE INSTALLED AT A 1% SLOPE.
4. ALL VENTS THRU ROOF SHALL BE A MIN. OF 10'-0" FROM AN OUTSIDE AIR INTAKE.

PLUMBING KEYED NOTES:

1. 2" VENT FROM BELOW AND UP ROUT AS SHOWN.
2. 2" VENT FROM BELOW AND UP TO 2" VTR.
3. 4" VENT FROM BELOW AND UP TO 4" VTR.
4. 3/4" COLD WATER LINE FROM BELOW, INSTALL HB-1 AT 24" A.F.F., 1/2" COLD WATER LINE TO TRAP PRIMER DEVICE AT 15" A.F.F. AND ROUTE1/2" COPPER LINES TO BELOW FLOOR. REF: 3/C-P3.01.
5. 6" STORM DOWN TO FLOOR BELOW.
6. 8" STORM DOWN TO FLOOR BELOW.
7. 4" ROOF DRAIN LINE FROM ROOF DRAIN ABOVE.
8. 2" ROOF DRAIN LINE FROM ROOF DRAIN ABOVE.

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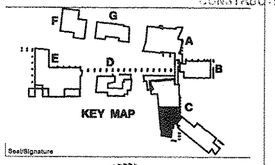
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--	01	10.11.01		
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2	06	05.06.02		
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ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



Seal/Signature

STATE OF TEXAS
BRIAN C. UHLRICH
86412
LICENSED PROFESSIONAL ENGINEER
05-08-02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

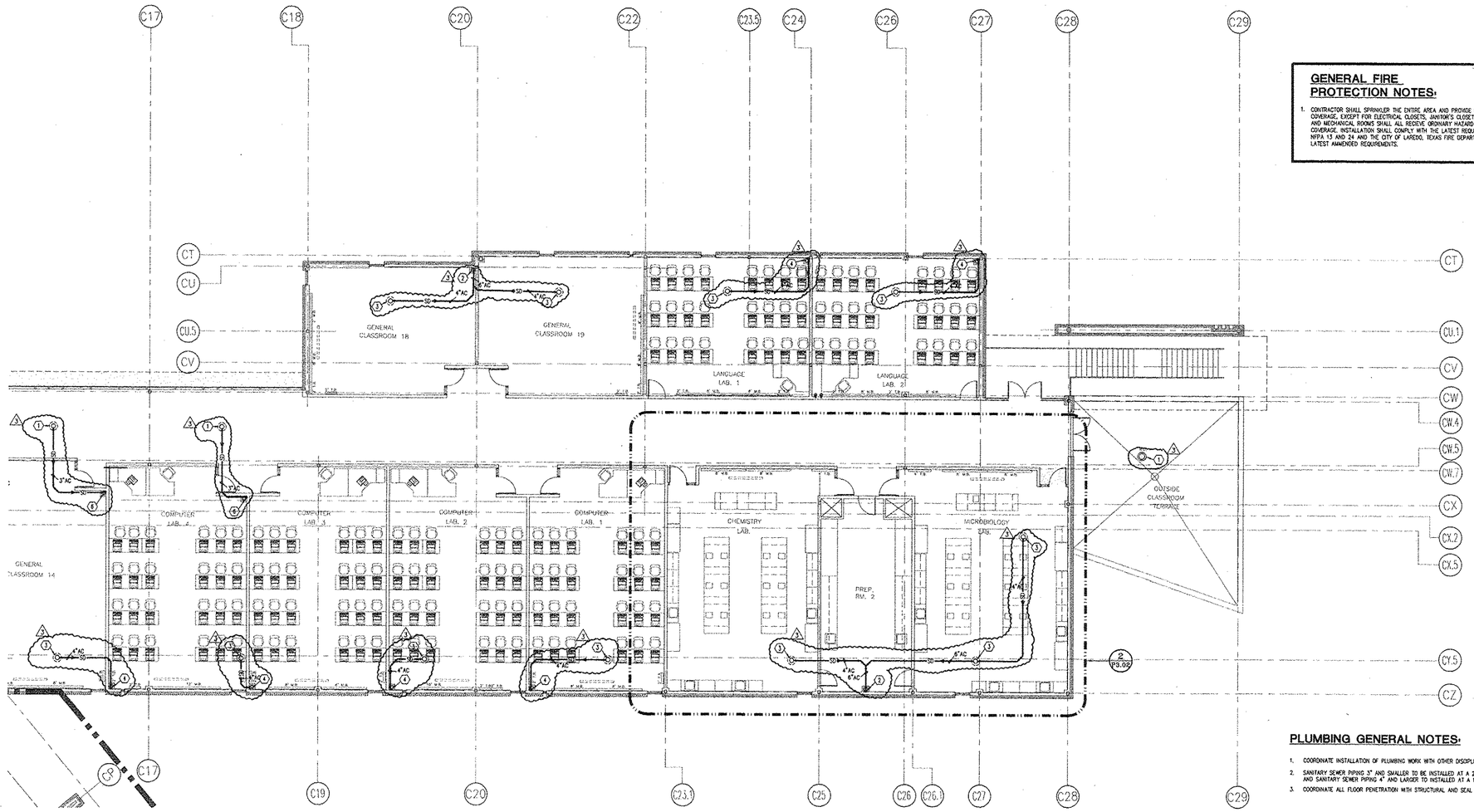
Description
BUILDING C – PLUMBING PLAN –
SECOND LEVEL – AREA B

Scale
1/8"=1'-0"

True North
Ref. North

C-P2.02B

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1 P2.02C **BLDG. C - PLUMBING PLAN - SECOND LEVEL - AREA 'C'**
1/8" = 1'-0"

GENERAL FIRE PROTECTION NOTES:

1. CONTRACTOR SHALL SPRINKLER THE ENTIRE AREA AND PROVIDE LIGHT HAZARD COVERAGE, EXCEPT FOR ELECTRICAL CLOSETS, JANITOR'S CLOSETS, STORAGE AND MECHANICAL ROOMS SHALL ALL RECEIVE ORDINARY HAZARD GROUP 2 COVERAGE. INSTALLATION SHALL COMPLY WITH THE LATEST REQUIREMENTS OF NFPA 13 AND 24 AND THE CITY OF LAREDO, TEXAS FIRE DEPARTMENTS LATEST AMENDED REQUIREMENTS.

PLUMBING GENERAL NOTES:

1. COORDINATE INSTALLATION OF PLUMBING WORK WITH OTHER DISCIPLINES.
2. SANITARY SEWER PIPING 3" AND SMALLER TO BE INSTALLED AT A 2% SLOPE, AND SANITARY SEWER PIPING 4" AND LARGER TO INSTALLED AT A 1% SLOPE.
3. COORDINATE ALL FLOOR PENETRATION WITH STRUCTURAL AND SEAL WATER TIGHT.

PLUMBING KEYED NOTES:

1. 2" ROOF DRAIN LINE FROM ROOF DRAIN ABOVE.
2. 6" STORM DOWN TO FLOOR BELOW.
3. 3" ROOF DRAIN LINE FROM ROOF DRAIN ABOVE.
4. 4" STORM DOWN TO FLOOR BELOW.
5. WADE MODEL # 3104 CAST IRON DECK DRAIN.
6. 3" STORM DRAIN LINE DOWN.

Laredo Community College
Second Campus

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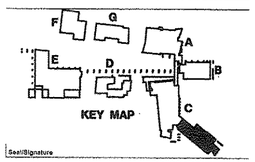
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Issue		Date & Issue Description	By	Check
-.-	01	10.11.01		
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ISSUED: **ISSUE FOR CONSTRUCTION** JUN 18 2002



Seal/Signature

STATE OF TEXAS
BRIAN C. UHLRICH
86412
LICENSED
PROFESSIONAL ENGINEER
05-08-02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

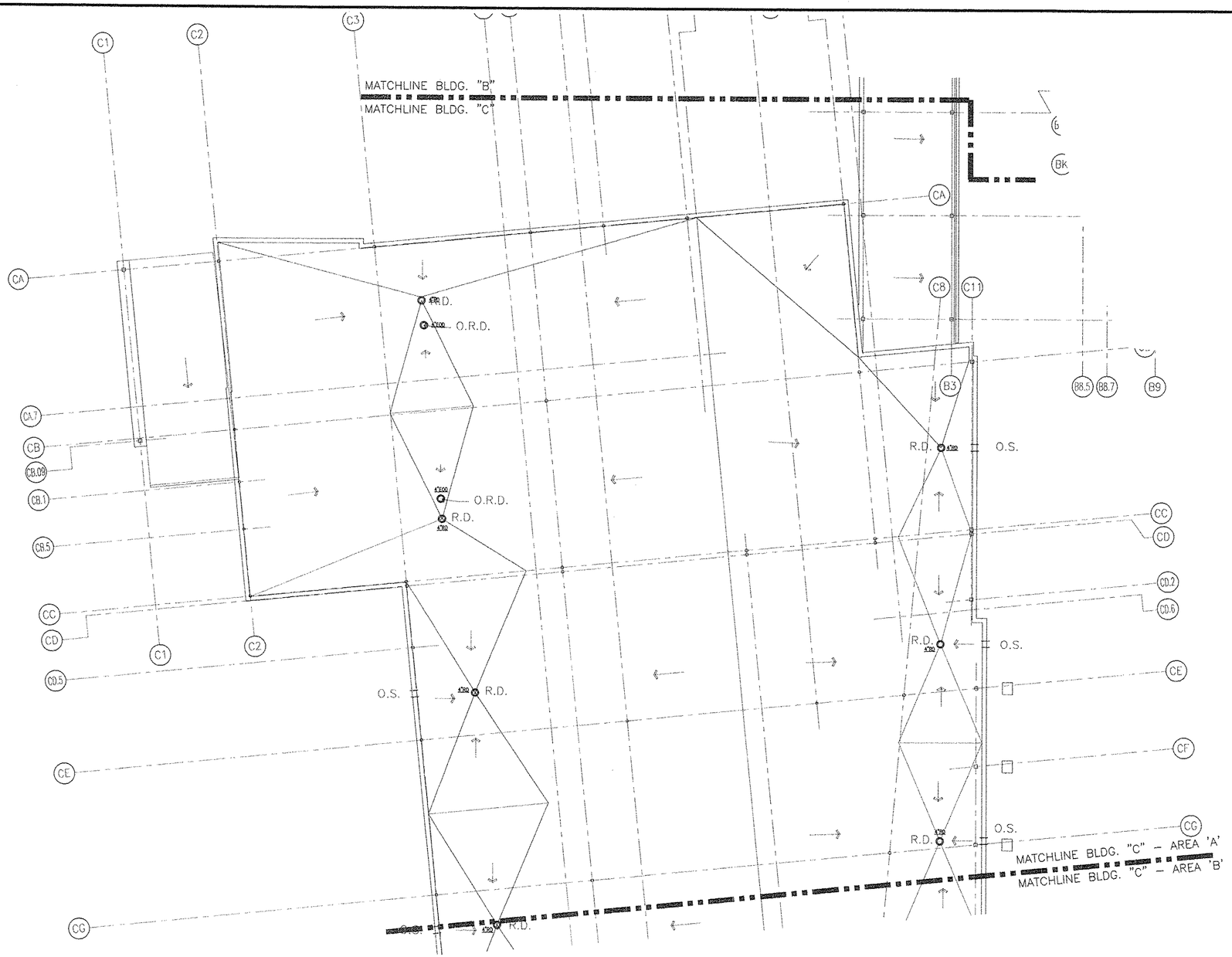
Description
BUILDING C - PLUMBING PLAN -
SECOND LEVEL - AREA C

Scale

True North
Grid North

C-P2.02C

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1 P2.03A **BLDG. C - PLUMBING PLAN - ROOF LEVEL - AREA A**
1/8" = 1'-0"

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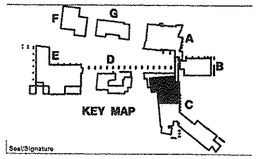
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Project Name
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Project Number
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CAD File Name

Description
BUILDING C – PLUMBING PLAN – ROOF LEVEL – AREA A

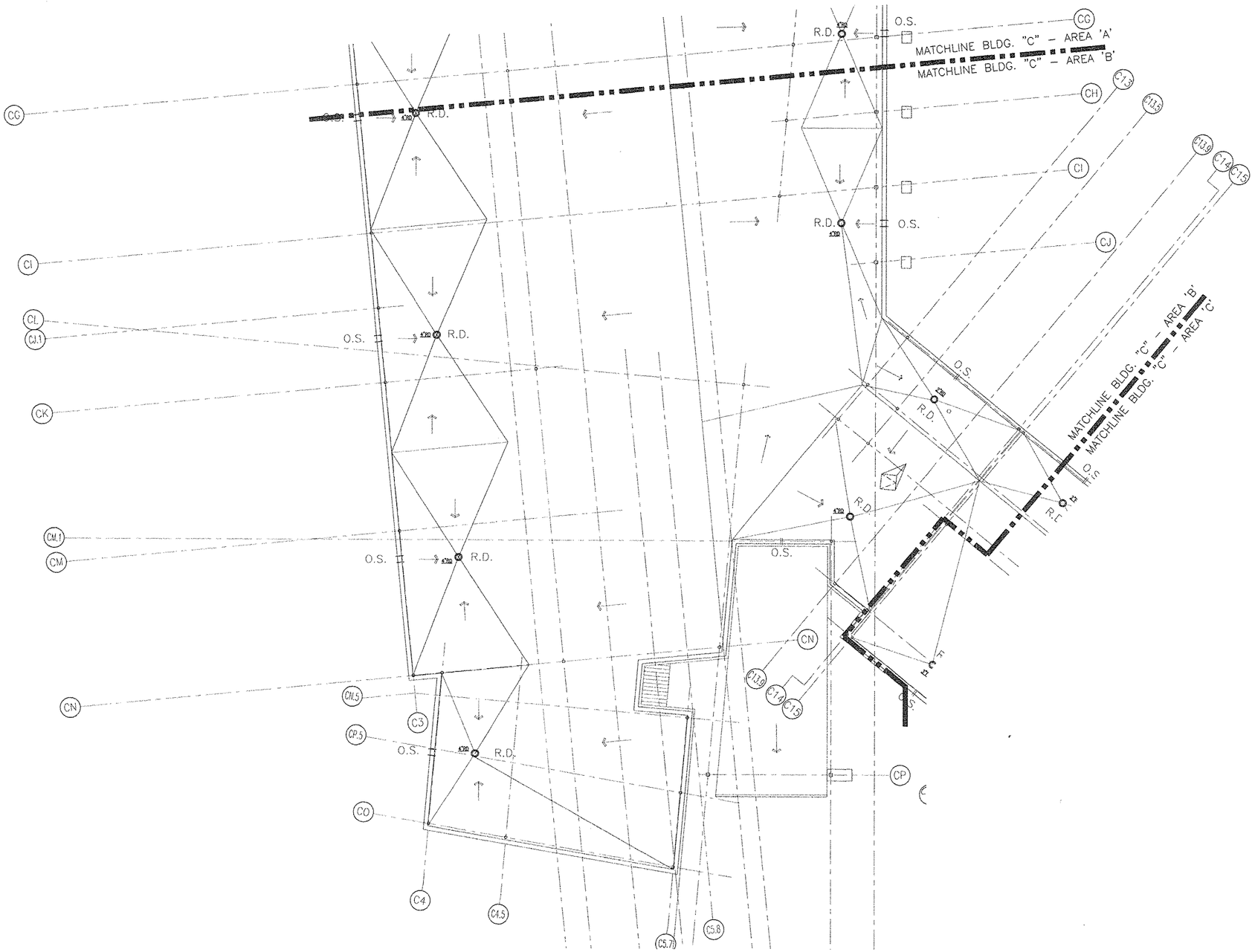
Scale
1/8"=1'-0"

True North

Ref. North

C-P2.03A

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1 P2.03B **BLDG. C - PLUMBING PLAN - ROOF LEVEL - AREA B**
1/8" = 1'-0"

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ISSUE FOR CONSTRUCTION
JUN 18 2002

KEY MAP

Seal/Signature

STATE OF TEXAS
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06-07-02

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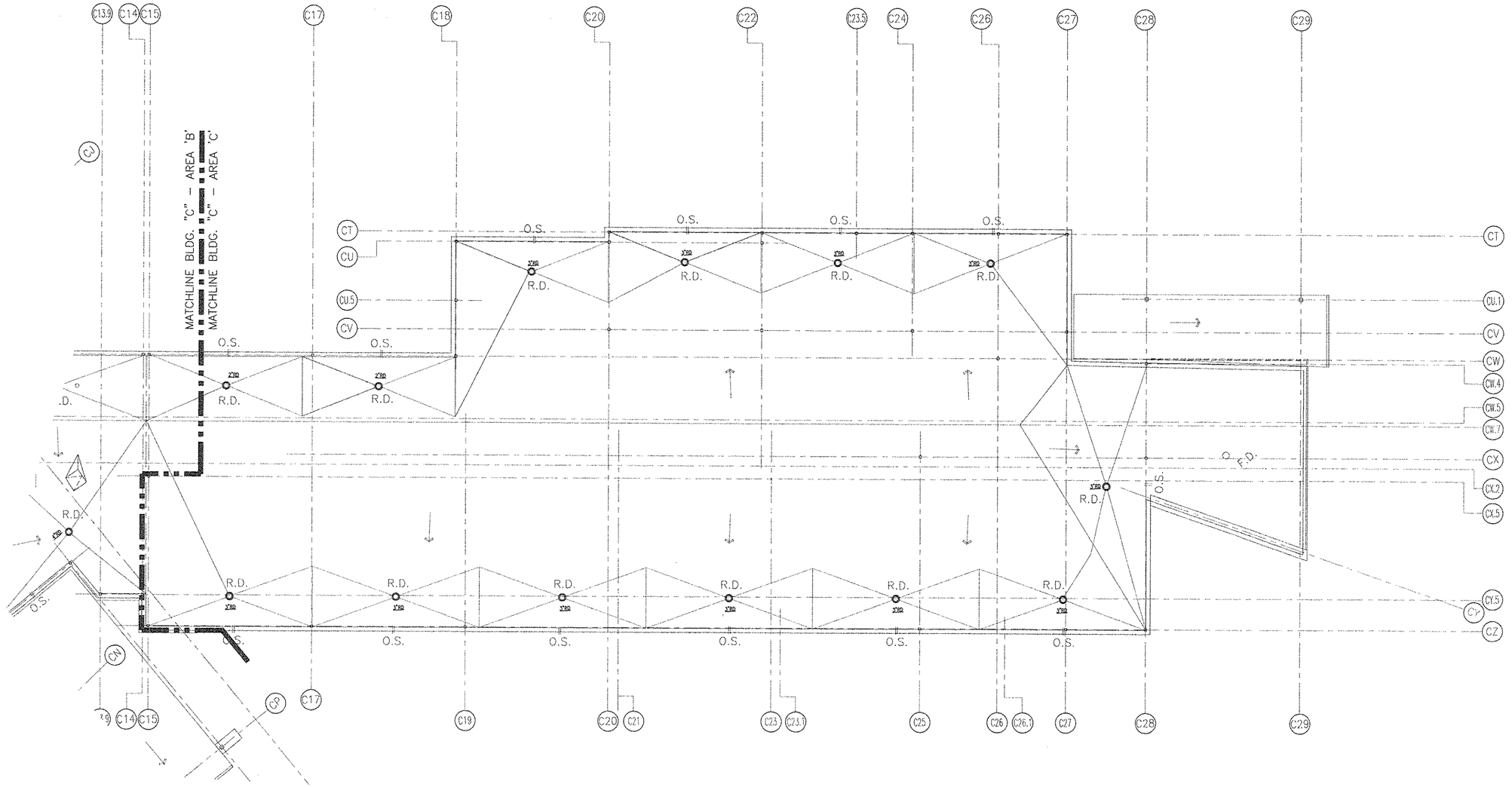
Description
BUILDING C – PLUMBING PLAN
ROOF LEVEL – AREA B

Scale
1/8"=1'-0"

True North
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C-P2.03B

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1 P2.03C **BLDG. C - PLUMBING PLAN - ROOF LEVEL - AREA C**
1/8" = 1'-0"

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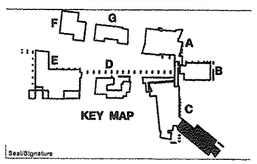
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Issue	Date & Issue Description	By	Check
01	10.11.01 SCHEMATIC DESIGN & PRICING		
02	12.06.01 DESIGN DEVELOPMENT		
03	02.15.02 50% C.D. REVIEW		
04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR CONSTRUCTION
JUN 18 2002



KEY MAP

Seal/Signature

STATE OF TEXAS
BRIAN C. UHLRICH
86412
LICENSED PROFESSIONAL ENGINEER
4.9.02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

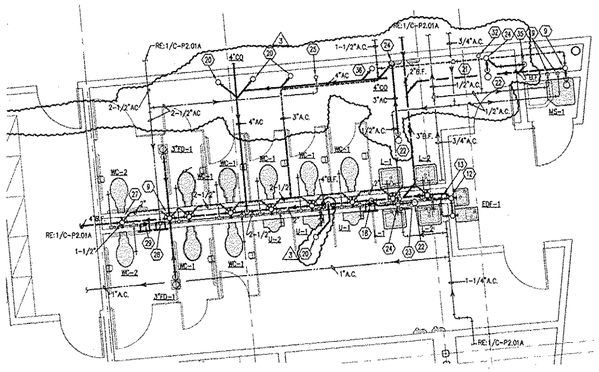
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BUILDING C – PLUMBING PLAN –
ROOF LEVEL – AREA C

Scale
1/8"=1'-0"

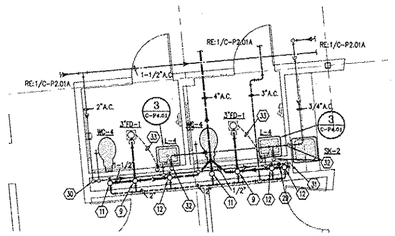
True North
Perf. North

C-P2.03C

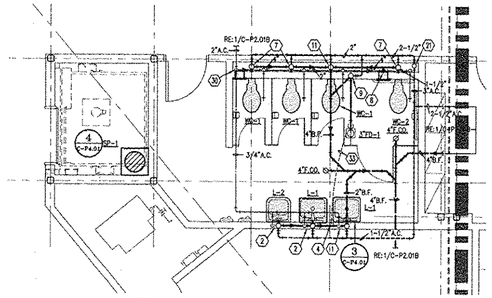
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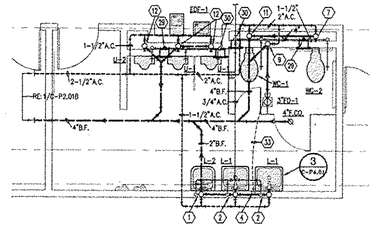
1 P3.01 **ENLARGED PLUMBING PLAN**
1/4" = 1'-0"



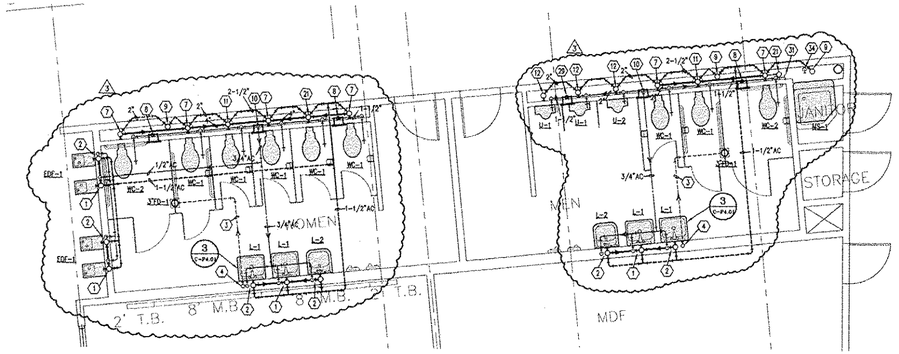
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1/4" = 1'-0"



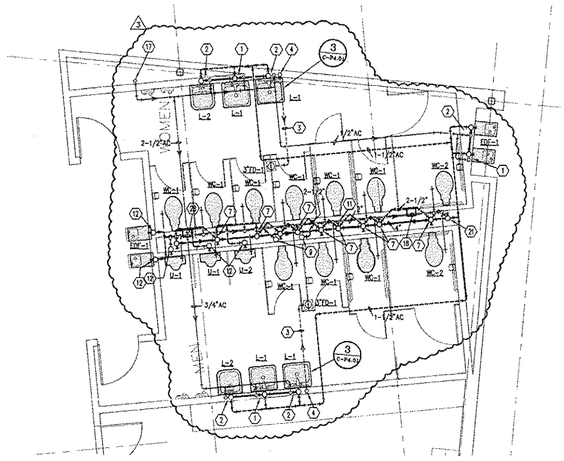
3 P3.01 **ENLARGED PLUMBING PLAN**
1/4" = 1'-0"



4 P3.01 **ENLARGED PLUMBING PLAN**
1/4" = 1'-0"



5 P3.01 **ENLARGED PLUMBING PLAN**
1/4" = 1'-0"



6 P3.01 **ENLARGED PLUMBING PLAN**
1/4" = 1'-0"

PLUMBING GENERAL NOTES:

1. COORDINATE INSTALLATION OF PLUMBING WORK WITH OTHER DISCIPLINES.
2. SANITARY SEWER PIPING 3" AND SMALLER TO BE INSTALLED AT A 2% SLOPE. AND SANITARY SEWER PIPING 4" AND LARGER TO INSTALLED AT A 1% SLOPE.
3. COORDINATE ALL FLOOR PENETRATION WITH STRUCTURAL AND SEAL WATER TIGHT.

PLUMBING KEYED NOTES:

1. 1/2" COLD WATER DOWN; 2" WASTE DOWN AND 1-1/2" VENT UP.
2. 1/2" COLD WATER DOWN; 2" WASTE HORIZONTALLY ALONG WALL AND 1-1/2" VENT UP.
3. 1/2" TRAP PRIMER LINE AT FIRST FLOOR CEILING.
4. 1/2" TRAP PRIMER LINE FROM LAVATORY DOWN.
5. 1/2" HOT AND COLD WATER FROM BELOW AND 1-1/2" VENT UP.
6. 4" WALLL CLEANOUT.
7. 2" VENT UP.
8. P.D.I. SHOCK ARRESTOR SIZE "C".
9. 1-1/2" VENT FROM BELOW.
10. 2-1/2" COLD WATER FROM BELOW. 3/4" COLD WATER UP.
11. 4" WASTE DOWN; 2" VENT UP.
12. 2" WASTE DOWN AND 1-1/2" VENT UP.
13. 1/2" COLD WATER TO ELECT. DRINK. FOUNTAIN.
14. 2" WASTE DOWN TO PLUMBING CHASE.
15. 2-1/2" COLD WATER DOWN. PROVIDE LINE SIZE VALVE IN THE VERTICAL.
16. 4" VENT UP THRU ROOF.
17. 2-1/2" COLD WATER FROM BELOW.
18. P.D.I. SHOCK ARRESTOR SIZE "D".
19. 1/2" HOT AND COLD WATER DOWN.
20. 2" WASTE FROM ABOVE.
21. 4" VENT UP.
22. 3" WASTE FROM ABOVE.
23. 1/2" HOT AND COLD WATER UP.
24. 1-1/2" VENT UP.
25. 1/2" TRAP PRIMER LINE FROM ABOVE.
26. 1/2" TRAP PRIMER LINE ABOVE CEILING.
27. 4" WASTE DOWN; 2" VENT UP(TYPICAL).
28. 2-1/2" COLD WATER DOWN. PROVIDE LINE SIZE SHUT-OFF VALVE IN THE VERTICAL.
29. P.D.I. SHOCK ARRESTOR SIZE "B".
30. 2" COLD WATER DOWN. PROVIDE LINE SIZE SHUT-OFF VALVE IN THE VERTICAL.
31. 1/2" COLD WATER SUPPLY TO SINK.
32. 1/2" HOT WATER DOWN.
33. 1/2" SOFT COPPER TRAP PRIMER LINE IN FLOOR SLAB.
34. 1/2" HOT WATER FROM BELOW.

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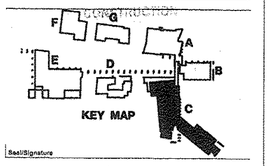
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	05	04.11.02		
		CONSTRUCTION DOCUMENTS		
2	06	05.06.02		
		ADDENDUM No. 2		
3	07	05.10.02		
		ADDENDUM No. 3		

ISSUE FOR ~~ISSUE FOR~~ JUN 1 8 2002
CONSTRUCTION ~~CONSTRUCTION~~



Seal/Signature

STATE OF TEXAS REGISTERED BRIAN C. UHLRICH 86412 LICENSED PROFESSIONAL ENGINEER
05-18-02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C
ENLARGED PLUMBING PLANS

Scale
1/4"=1'-0"

C-P3.01

True North
Ref. North

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GENERAL PLUMBING NOTES-SCIENCE ROOMS

1 THIS CONTRACTOR SHALL FIELD COORDINATE ALL PLUMBING PIPING WITH ALL TRADES PRIOR TO INSTALLATION OR FABRICATIONS; FIELD COORDINATE WITH EQUIPMENT SUPPLIERS FOR ALL ITEMS PROVIDED UNDER SEPARATE DIVISIONS OF THE SPECIFICATIONS. MODIFICATIONS TO THE PIPING AFTER INSTALLATION TO CORRECT ROUGH-IN ERRORS SHALL BE DONE WITHOUT ADDITIONAL COST TO THE OWNER.

2 SINKS WITH FAUCETS, TO INCLUDE VACUUM BREAKER, DRAIN FITTINGS, FUME HOOD CUP SINKS AND UTILITY OUTLETS, STUDENT AND INSTRUCTOR GAS AND AIR OUTLETS, ARE PROVIDED UNDER SEPARATE DIVISIONS. THIS CONTRACTOR SHALL REFER TO THE APPROPRIATE SPECIFICATION SECTIONS THEN FIELD COORDINATE EXACT LOCATION OF AND CONNECTING REQUIREMENTS FOR ALL EQUIPMENT TO BE CONNECTED WITH PLUMBING PIPING SYSTEMS.

3 EACH AND EVERY SINK OUTLET IN SCIENCE AND PREP. ROOMS SHALL BE FITTED WITH A 1-1/2" ADJUSTABLE SWIVEL DRUM STYLE TRAP. ROUGH-IN PIPING SHALL BE ARRANGED TO PLACE THE DRAIN OPENING AT STANDARDIZED LOCATIONS TO ALLOW EACH TRAP TO BE INSTALLED UNIFORMLY AND USING AS SHORT AS PRACTICAL TRAP ARMS. HAPHAZARD INSTALLATIONS WILL NOT BE ACCEPTABLE AND SHALL BE DISASSEMBLED AND MADE TO CONFORM TO A STANDARD INSTALLATION WITH UNIFORM APPEARANCE.

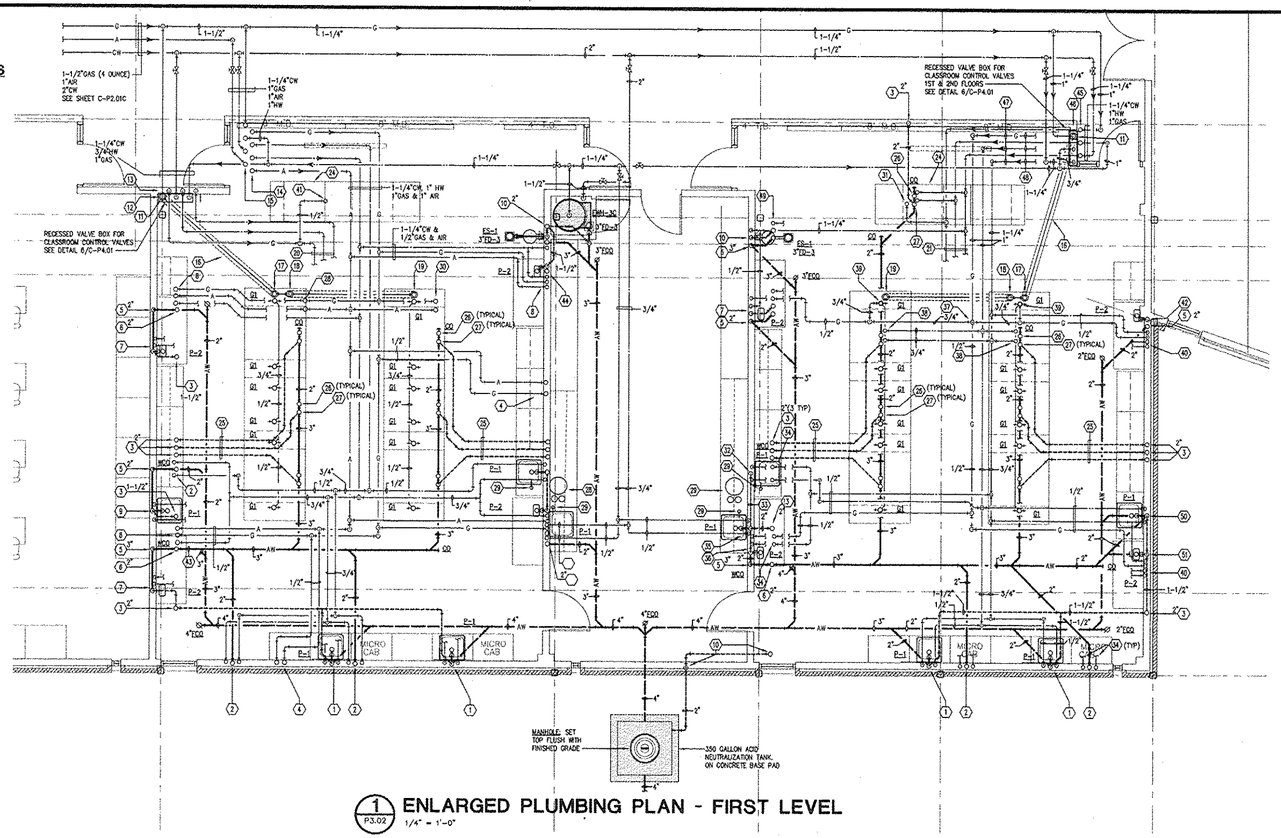
4 WASTE RISERS FOR SCIENCE ROOM SINKS SHALL INCLUDE A SANITARY TEE WITH ADAPTER FOR CONNECTION OF FIXTURE TRAP ARM. WHERE EVER POSSIBLE WASTE OUTLET TEES SHALL BE ALIGNED WITH THE CENTERLINE OF SINK OUTLETS. REFER TO EQUIPMENT ROUGH-IN SHEETS FOR EXACT LOCATIONS AND ELEVATIONS.

5 ALL GAS PIPING BELOW FIRST FLOOR SLAB SHALL BE RUN IN CONTINUOUS SLEEVE OF SCHEDULE 40 PVC. TERMINATE SLEEVES MINIMUM OF 2" ABOVE THE FINISHED FLOOR LINE AT EACH END. BENDS IN SLEEVE SHALL BE LONG RADIUS DRAINAGE PATTERN FITTINGS. GAS PIPING BELOW THE CLASSROOM FLOOR SHALL BE PVC COATED CORRUGATED TYPE 304 STAINLESS STEEL FLEXIBLE TUBING; WARDFLEX OR APPROVED EQUAL. CONTRACTOR SHALL INSTALL TUBING AND PROVIDE ACCESS PANEL AT EACH SLEEVE ACCESS TO ALLOW FULL ACCESS TO TUBING ADAPTER FITTINGS AND FOR REMOVAL AND REPLACEMENT OF TUBING WITHOUT DAMAGE OR DISTURBANCE TO FINISHED ROOM SURFACES.

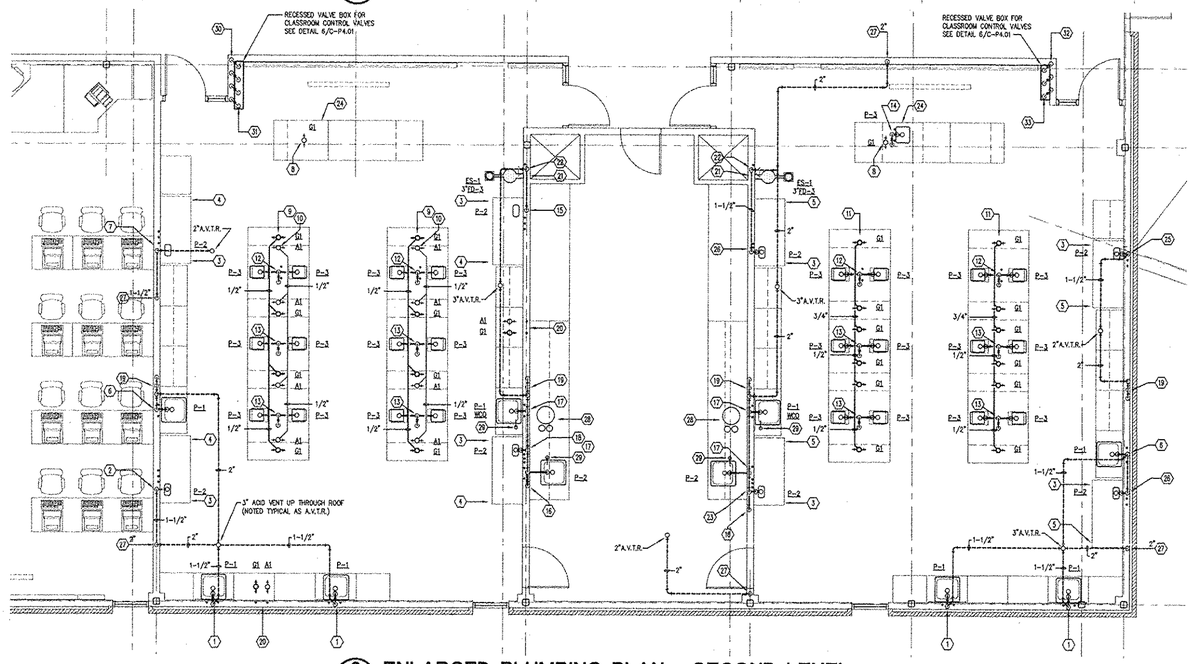
6 SCIENCE ROOM SINK FIXTURES DESIGNATED P-1, P-2 & P-3 ROUGH-IN AS FOLLOWS:
P-1 – GENERAL PURPOSE SINK – 1-1/2" ACID WASTE AND VENT AND 1/2" CW & HW.
P-2 – FUME HOOD CUP SINK – 1-1/2" ACID WASTE AND VENT AND 1/2" CW.
P-3 – ISLAND SINK – 1-1/2" ACID WASTE AND VENT AND 1/2" CW & HW.

PLUMBING KEYED NOTES-2nd FLOOR

1. 2" ACID WASTE DOWN, 1-1/2" ACID VENT UP TO CEILING, 1/2" COLD AND HOT WATER UP FROM BELOW. CONNECT SINK AND FAUCET.
2. 2" ACID WASTE DOWN, 1-1/2" ACID VENT UP, 1/2" COLD WATER, 1/2" GAS AND 1/2" AIR UP FROM BELOW. CONNECT HOOD CUP SINK OUTLET AND HOOD UTILITY OUTLETS AS NOTED. OFFSET ACID VENT MIN. 42" AFF AND CONNECT WITH SINK VENT RISE.
3. 1/2" COLD WATER; CONNECT HOOD OUTLET.
4. 1/2" GAS AND AIR; CONNECT HOOD OUTLETS.
5. 1/2" GAS; CONNECT HOOD OUTLET.
6. 2" ACID WASTE DOWN, 1-1/2" ACID VENT UP TO CEILING WITH TEE FOR CUP SINK VENT, 1/2" COLD AND HOT WATER UP FROM BELOW. CONNECT SINK AND FAUCET.
7. 2" ACID WASTE DOWN, 1-1/2" ACID VENT UP TO CEILING, 1/2" COLD WATER, 1/2" GAS AND 1/2" AIR UP FROM BELOW. CONNECT CUP SINK WASTE OUTLET AND HOOD UTILITY OUTLETS AS NOTED.
8. 1/2" GAS UP FROM BELOW TO DESK OUTLET. RAISE IN SPACE PROVIDED FOR PIPING AND FIELD COORDINATE EXACT LOCATION.
9. 3/4" GAS UP FROM BELOW TO SERVE TABLE OUTLETS. RAISE IN SPACE PROVIDED FOR PIPING, FIELD COORDINATE EXACT LOCATION. CONNECT 1/2" TO OUTLET SHOWN AND BRANCH 1/2" TO SERVE THREE ADDITIONAL OUTLETS.
10. 3/4" AIR UP FROM BELOW TO SERVE TABLE OUTLETS. RAISE IN SPACE PROVIDED FOR PIPING, FIELD COORDINATE EXACT LOCATION. CONNECT 1/2" TO OUTLET SHOWN AND BRANCH 1/2" TO SERVE THREE ADDITIONAL OUTLETS.
11. 3/4" GAS UP FROM BELOW TO SERVE TABLE OUTLETS. RAISE IN SPACE PROVIDED FOR PIPING, FIELD COORDINATE EXACT LOCATION. CONNECT 1/2" TO OUTLET SHOWN AND BRANCH 3/4" TO SERVE FIVE ADDITIONAL OUTLETS.
12. 2" WASTE DOWN WITH 2 X 1-1/2" CROSS FOR SINK CONNECTIONS AND 2" VENT RISE. TURN VENT DOWN UNDER FLOOR USING TWO EIGHT BENDS AND ONE VENT EL FOR ISLAND WASTE AND VENT ASSEMBLY; 3/4" COLD AND HOT WATER UP FROM BELOW WITH 3/4" CW & HW BRANCHES TO SERVE SIX ADDITIONAL SINKS. CONNECT 1/2" CW AND HW TO SINK FAUCETS. PROVIDE SANITARY TEE IN EACH WASTE RISER WITH CLEANOUT IN CABINET.
13. 2" WASTE DOWN WITH 2 X 1-1/2" CROSS FOR SINK CONNECTIONS AND 2" VENT RISE. TURN VENT DOWN UNDER FLOOR USING TWO EIGHT BENDS AND ONE VENT EL FOR ISLAND WASTE AND VENT ASSEMBLY; 3/4" COLD AND HOT WATER FROM ADJACENT SINK. CONNECT 1/2" CW AND HW TO SINK FAUCETS. PROVIDE SANITARY TEE IN EACH WASTE RISER WITH CLEANOUT IN CABINET.
14. 2" WASTE DOWN WITH 2 X 1-1/2" TEE FOR SINK AND 2" VENT RISE. TURN VENT DOWN UNDER FLOOR USING TWO EIGHT BENDS AND ONE VENT EL FOR ISLAND WASTE AND VENT ASSEMBLY; 1/2" COLD AND HOT WATER UP FROM BELOW. CONNECT 1/2" CW & HW TO SINK FAUCET.
15. 2" ACID WASTE DOWN, 1-1/2" ACID VENT UP, 1/2" COLD WATER, 1/2" GAS AND 1/2" AIR UP FROM BELOW. CONNECT HOOD CUP SINK OUTLET AND HOOD UTILITY OUTLETS AS NOTED. OFFSET ACID VENT MIN. 42" AFF AND CONNECT WITH 2" VENT RISER FROM BELOW.
16. 2" ACID WASTE DOWN TO FIRST FLOOR CEILING.
17. 2" ACID WASTE DOWN INTO 2" DRAIN ABOVE FLOOR, 1-1/2" ACID VENT UP TO VENT HEADER MIN. 42" AFF. 1/2" CW & HW UP FROM BELOW FOR SINK.
18. 2" ACID WASTE DOWN INTO 2" DRAIN ABOVE FLOOR, 1-1/2" ACID VENT UP TO VENT HEADER MIN. 42" AFF. 1/2" GAS, AIR & CW UP FROM BELOW FOR FUME HOOD. CONNECT CUP SINK WASTE OUTLET AND HOOD UTILITY OUTLETS AS NOTED.
19. THREE 2" ACID VENTS UP FROM BELOW FLOOR; HEADER AT MIN. 42" AFF AND RISE 2" TO CEILING AS SHOWN.
20. 1/2" GAS AND AIR UP FROM BELOW FOR TABLE OUTLETS; CHEMISTRY LAB ONLY.
21. 3" ACID WASTE DOWN AND 1-1/4" COLD WATER UP FROM BELOW FOR EMERGENCY SHOWER; 3" ACID WASTE SHALL RISE AS WET VENT TO RECEIVE 1-1/2" WASTE FROM EYEWASH BOWL, THEN DECREASE TO 2" ACID VENT UP TO VENT HEADER, CONNECT 1/2" CW TO EYEWASH AND 1-1/4" TO 1" SHOWER SUPPLY.
22. 2" ACID VENT UP FROM BELOW, RISE TO CEILING WITH 2" TEE IN RISER FOR VENT HEADER SERVING CUP SINK AND EMERGENCY SHOWER/EYEWASH.
23. 2" ACID WASTE DOWN INTO 2" DRAIN ABOVE FLOOR, 1-1/2" ACID VENT UP, 1/2" COLD WATER AND GAS UP FROM BELOW. CONNECT HOOD CUP SINK OUTLET AND HOOD UTILITY OUTLETS AS NOTED. OFFSET ACID VENT MIN. 42" AFF AND CONNECT WITH 2" VENTS FROM BELOW.
24. SWITCH TO CONTROL EMERGENCY SHUT OFF VALVES FOR ALL CLASSROOM PLUMBING UTILITIES. FIELD COORDINATE EXACT LOCATION AND REQUIREMENT WITH ELECTRICAL.
25. 2" ACID WASTE DOWN, 1-1/2" ACID VENT UP TO CEILING, 1/2" COLD WATER AND 1/2" GAS UP FROM BELOW. CONNECT CUP SINK WASTE OUTLET AND HOOD UTILITY OUTLETS AS NOTED.
26. 2" ACID WASTE DOWN, 1-1/2" ACID VENT UP, 1/2" COLD WATER AND GAS UP FROM BELOW. CONNECT HOOD CUP SINK OUTLET AND HOOD UTILITY OUTLETS AS NOTED. OFFSET ACID VENT MIN. 42" AFF AND CONNECT WITH SINK VENT RISE.
27. ACID VENT UP FROM BELOW FLOOR SIZE AS NOTED.
28. 1/2" COLD WATER TO COMBINATION ACTIVATED CHARCOAL/TASTE AND ODOR WATER FILTER, REVERSE OSMOSIS TANK AND ION EXCHANGE BOTTLES FOR SINGLE ULTRA-PURE WATER OUTLET IN LAB AND ADJACENT CLASS ROOM TABLE.
29. SINGLE DECK MOUNTED DE-IONIZED WATER OUTLET, CHICAGO No.828 OR APPROVED EQUAL; FIELD COORDINATE EXACT LOCATION WITH OWNER.
30. COLD WATER, HOT WATER, GAS AND AIR PIPING UP FROM BELOW FLOOR; SEE FIRST FLOOR PLAN FOR SIZES.
31. COLD WATER, HOT WATER, GAS AND AIR PIPING TURN DOWN TO CONTROL VALVE CABINET THEN DOWN THROUGH FLOOR TO CEILING BELOW. SEE FIRST FLOOR PLAN FOR SIZES.
32. COLD WATER, HOT WATER AND GAS PIPING UP FROM BELOW FLOOR; SEE FIRST FLOOR PLAN FOR SIZES.
33. COLD WATER, HOT WATER AND GAS PIPING TURN DOWN TO CONTROL VALVE CABINET THEN DOWN THROUGH FLOOR TO CEILING BELOW. SEE FIRST FLOOR PLAN FOR SIZES.



1 P3.02 ENLARGED PLUMBING PLAN - FIRST LEVEL
1/4" = 1'-0"



2 P3.02 ENLARGED PLUMBING PLAN - SECOND LEVEL
1/4" = 1'-0"

PLUMBING KEYED NOTES-1st FLOOR

1. 2" ACID WASTE DOWN, 1-1/2" ACID VENT UP TO CEILING, 1/2" COLD AND HOT WATER DROPS; CONNECT SINK AND FAUCET.
2. 2" ACID WASTE FROM ABOVE, 1/2" COLD AND HOT WATER UP.
3. ACID VENT UP TO FLOOR ABOVE; SIZE AS NOTED.
4. 1/2" GAS AND AIR UP FOR TABLE OUTLETS; CHEMISTRY LAB ONLY.
5. ACID WASTE DOWN TO UNDER FLOOR; SIZE AS NOTED. PROVIDE WALL CLEANOUT.
6. ACID WASTE FROM FLOOR ABOVE; SIZE AS NOTED
7. 2" ACID WASTE DOWN, 1-1/2" ACID VENT UP TO CEILING, 1/2" CW & GAS DROPS FOR FUME HOOD AND CUP SINK. OFFSET DRAIN IN WALL ABOVE FLOOR TO ADJACENT ACID WASTE DROP FROM CEILING AND CONNECT.
8. 1/2" COLD WATER, 1/2" GAS AND AIR UP TO FUME HOOD ABOVE.
9. 2" ACID WASTE DOWN, 1-1/2" ACID VENT UP TO CEILING, 1/2" CW & HW DROPS FOR SINK. OFFSET DRAIN IN WALL ABOVE FLOOR TO ADJACENT ACID WASTE DROP FROM CEILING AND CONNECT.
10. ACID VENT UP FROM BELOW GROUND AND UP TO SECOND FLOOR; SIZE AS NOTED. OFFSET PIPING AS REQUIRED TO CLEAR STRUCTURAL; FIELD COORDINATE LOCATIONS.
11. 1" GAS DROP TO CONTROL VALVE IN CABINET. BELOW CABINET, OFFSET 1/2" BRANCH FOR RISE TO CEILING AND 1" GAS CONTINUES DOWN TO UNDER FLOOR FOR ISLAND TABLE OUTLETS. ALL UNDERGROUND GAS PIPE SHALL BE COATED FLEXIBLE METAL TUBING IN CONTINUOUS PVC SLEEVE.
12. 1-1/4" COLD WATER, 3/4" HOT WATER AND 1" GAS DROPS TO FULLY RECESSED CONTROL VALVE CABINET; SEE DETAIL 8/C-P4.01 FOR ADDITIONAL INFORMATION.
13. 1-1/4" COLD WATER, 3/4" HOT WATER AND 1/2" GAS UP FROM CONTROL VALVE ASSEMBLY TO SERVE FIRST FLOOR FIXTURES.
14. 1-1/4" COLD WATER, 1" HOT WATER, 1" GAS AND 1" AIR UP TO FULLY RECESSED CONTROL VALVE CABINET ABOVE; SEE DETAILS SHEET FOR ADDITIONAL INFORMATION.
15. 1-1/4" COLD WATER, 1" HOT WATER, 1" GAS AND 1" AIR DOWN FROM CONTROL VALVE ASSEMBLY TO SERVE SECOND FLOOR FIXTURES.
16. GAS PIPING BELOW FLOOR IN 4" SCHEDULE 40 PVC SLEEVE.
17. 1" GAS AND 4" SLEEVE UP FROM BELOW FLOOR TO SERVE TABLE OUTLETS. BRANCH 3/4" TO SERVE ADJACENT TABLE AND 3/4" FOR THIS TABLE. RUN GAS BRANCH IN PIPE SPACE THROUGH TABLE BASE AND PROVIDE 1/2" GAS CONNECTION TO EIGHT DUPLEX GAS OUTLETS AS SHOWN.
18. 3/4" GAS DOWN TO UNDER FLOOR IN CONTINUOUS SLEEVE. ALL GAS SLEEVES SHALL TERMINATE MINIMUM 2" ABOVE THE FINISHED FLOOR.
19. 3/4" GAS AND 4" SLEEVE UP FROM BELOW FLOOR TO SERVE TABLE OUTLETS. RUN GAS BRANCH IN PIPE SPACE THROUGH TABLE BASE AND PROVIDE 1/2" GAS CONNECTION TO EIGHT DUPLEX GAS OUTLETS AS SHOWN.
20. 1-1/4" COLD WATER, 3/4" HOT WATER AND 1/2" GAS IN CEILING TO SERVE FIXTURES IN FIRST FLOOR SCIENCE ROOM; REFER TO PIPING PLAN AT RIGHT FOR CONTINUATION OF TYPICAL LINES.
21. 1-1/4" COLD WATER, 1" HOT WATER AND 1" GAS IN CEILING TO SERVE FIXTURES IN SECOND FLOOR MICROBIOLOGY SCIENCE ROOM; REFER TO PIPING PLAN AT LEFT FOR CONTINUATION OF TYPICAL LINES. PIPING FOR MICROBIOLOGY LAB. IS TYPICAL TO THE CHEMISTRY LAB PIPING WITH EXCEPTION TO OMIT AIR PIPING ENTIRELY FOR MICROBIOLOGY LAB AND TO OMIT TWO GAS OUTLETS AT EXTERIOR WALL AND PREP. ROOM WALL.
22. 1-1/4" COLD WATER, 1" HOT WATER AND 1" GAS DOWN FROM CONTROL VALVE BOX ON FLOOR ABOVE AND 1-1/4" COLD WATER, 3/4" HOT WATER AND 1" GAS UP FROM CONTROL VALVE BOX ON THIS FLOOR.
23. 1-1/4" COLD WATER, 1" HOT WATER AND 1" GAS UP TO CONTROL VALVE BOX ON FLOOR ABOVE AND 1-1/4" COLD WATER, 3/4" HOT WATER AND 1" GAS DROPS TO CONTROL VALVE BOX ON THIS FLOOR.
24. SWITCH TO CONTROL EMERGENCY SHUT OFF VALVES FOR ALL CLASSROOM PLUMBING UTILITIES. FIELD COORDINATE EXACT LOCATION AND REQUIREMENT WITH ELECTRICAL.
25. 2" ISLAND SINK ACID VENTS IN CEILING.
26. 2" ACID WASTE UP FOR ISLAND SINK DRAIN AND VENT.
27. 2" ACID VENT UP FOR ISLAND SINK WITH 2" ACID WASTE FOOT VENT AS INDICATED.
28. 1/2" COLD WATER TO COMBINATION ACTIVATED CHARCOAL/TASTE AND ODOR WATER FILTER, REVERSE OSMOSIS TANK AND ION EXCHANGE BOTTLES FOR SINGLE ULTRA-PURE WATER OUTLET IN LAB AND ADJACENT CLASS ROOM TABLE.
29. SINGLE DECK MOUNTED DE-IONIZED WATER OUTLET, CHICAGO No.828 OR APPROVED EQUAL; FIELD COORDINATE EXACT LOCATION WITH OWNER.
30. 3/4" GAS AND AIR UP TO TABLE OUTLETS ABOVE; OMIT AIR AT MICROBIOLOGY LAB.
31. 1/2" GAS, COLD, AND HOT WATER UP FOR TABLE GAS OUTLET AND SINK.
32. 3/4" COLD AND HOT WATER UP TO SERVE SIX TABLE SINKS ABOVE.
33. 2" ACID WASTE AND 1-1/2" ACID VENT IN WALL ABOVE FLOOR.
34. PLUMBING PIPING UP TO FIXTURE ABOVE; SEE CHEM. LAB PIPING AT LEFT FOR TYPICAL SECOND FLOOR CW & HW AND GAS PIPING NOT SHOWN HERE FOR CLARITY.
35. 2" ACID WASTE DOWN TO HORIZONTAL DRAIN ABOVE FLOOR IN WALL. 2" ACID VENT UP TO CEILING WITH 2 X 1-1/2" CROSS FOR ADJACENT P-1 & P-2 VENTS. 1/2" CW AND HW DROPS TO SINK.
36. 2" ACID WASTE DOWN TO HORIZONTAL DRAIN ABOVE FLOOR IN WALL 1-1/2" ACID VENT UP TO 42" AFF OFFSET TO ADJACENT 2" AV UP TO CEILING. 1/2" CW & GAS DROPS TO HOOD CONNECTIONS.
37. 1" GAS, 1" CW AND HW UP OFF TOP OF MAINS TO SERVE 3/4" BRANCHES AS SHOWN.
38. 3/4" CW AND HW UP TO SERVE SIX TABLE SINKS ABOVE.
39. 3/4" GAS UP TO SERVE SIX DUPLEX TABLE GAS OUTLETS ABOVE.
40. 1/2" COLD WATER AND GAS UP TO FUME HOOD ABOVE.
41. 1/2" GAS UP TO DUPLEX GAS TABLE OUTLET ABOVE.
42. 2" ACID WASTE DOWN, 1-1/2" ACID VENT UP TO FLOOR ABOVE, 1/2" CW & GAS DROPS FOR FUME HOOD AND CUP SINK. OFFSET DRAIN IN WALL ABOVE FLOOR TO ADJACENT ACID WASTE DROP FROM CEILING AND CONNECT.
43. 3" ACID WASTE IN CEILING AND BELOW FIRST FLOOR.
44. 2" ACID WASTE DOWN FROM ABOVE; OFFSET ABOVE FLOOR TO COLLECT 2" AW FROM FUME HOOD CUP SINK AND CONNECT WITH 3" AW DOWN FROM FLOOR DRAIN ABOVE.
45. 1-1/4" COLD WATER, 1" HOT WATER AND 1" GAS UP TO FULLY RECESSED CONTROL VALVE CABINET ABOVE (SHOWN); 1-1/4" COLD WATER, 3/4" HOT WATER AND 1" GAS UP FROM FULLY RECESSED CONTROL VALVE CABINET ON THIS FLOOR (NOT SHOWN); SEE DETAIL 6/C-P4.01 FOR ADDITIONAL INFORMATION.
46. 1-1/4" COLD WATER, 1" HOT WATER AND 1" GAS DOWN FROM FULLY RECESSED CONTROL VALVE CABINET ABOVE (NOT SHOWN); 1-1/4" COLD WATER, 3/4" HOT WATER AND 1/2" GAS UP FROM CONTROL VALVE ASSEMBLY ON FIRST FLOOR.
47. 1-1/4" COLD WATER, 1" HOT WATER AND 1" GAS FROM CONTROL VALVES ABOVE SERVICES FOR SECOND FLOOR LAB.
48. 1-1/4" COLD WATER, 3/4" HOT WATER AND 1" GAS FROM CONTROL VALVES ON THIS FLOOR; SERVICES FOR FIRST FLOOR LAB.
49. 1-1/4" COLD WATER AND 2" ACID VENT UP TO EMERGENCY SHOWER; 3" ACID WASTE DOWN FROM ABOVE.
50. 2" ACID WASTE DOWN FROM SINK ABOVE; OFFSET TO DRAIN BRANCH IN CEILING. 2" ACID WASTE FROM SINK ON THIS FLOOR DOWN TO BELOW FLOOR. 1-1/2" VENT UP OFFSET TO VENT RISER INTO SECOND FLOOR AS SHOWN. 1/2" CW & HW DROPS.
51. 2" ACID WASTE DOWN FROM CUP SINK ABOVE; OFFSET TO DRAIN BRANCH IN CEILING. 2" ACID WASTE DOWN FROM CUP SINK ON THIS FLOOR. OFFSET ABOVE FLOOR IN WALL AND CONNECT TO 2" DRAIN RISER AT ADJACENT SINK; 1-1/2" VENT UP TO 42" AFF CONNECT TO VENT HEADER AS SHOWN. 1/2" CW AND GAS DROPS.

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Issue	Date & Issue Description	By	Check
--	01 10.11.01 SCHEMATIC DESIGN & PRICING		
	02 12.06.01 DESIGN DEVELOPMENT		
	03 02.15.02 50% C.D. REVIEW		
	04 03.15.02 90% C.D. REVIEW		
	05 04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
~~CONSTRUCTION~~

KEY MAP

Seal/Signature

STATE OF TEXAS
BRIAN C. UHLRICH
86412
LICENSED PROFESSIONAL ENGINEER
04-09-02

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

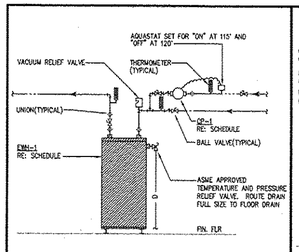
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BUILDING C
ENLARGED PLUMBING PLANS

Scale
1/4"=1'-0"

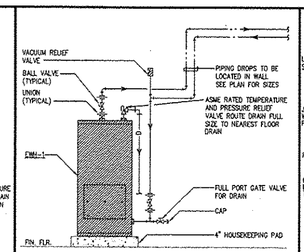
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Ref. North

C-P3.02

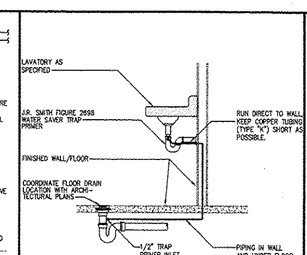
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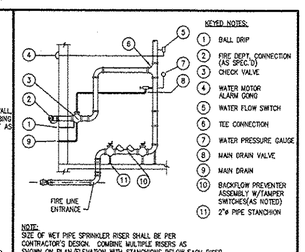
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NOT TO SCALE



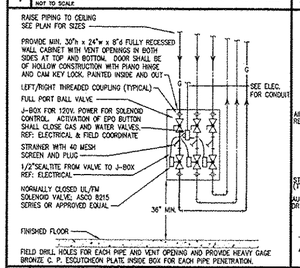
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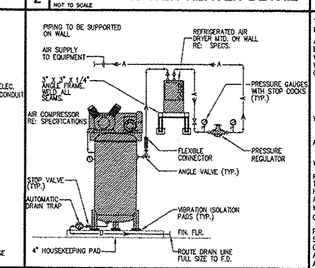
3 TRAP PRIMER DETAIL
NOT TO SCALE



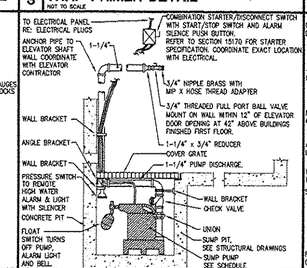
4 WET PIPE SPRINKLER RISER
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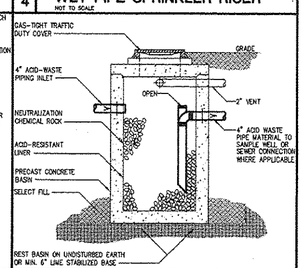
5 SCIENCE VALVE BOX DETAIL
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6 AIR COMPRESSOR DETAIL
NOT TO SCALE



7 ELEVATOR SUMP PUMP DETAIL
NOT TO SCALE



8 ACID NEUTRALIZING BASIN DETAIL
NOT TO SCALE

PLUMBING LEGEND

DISPEDARO LEGEND ITEMS NOT ON PLANS

SYMBOL	DESCRIPTION	ABBR.
	SOIL OR WASTE PIPING	WST
GW	GREASE WASTE PIPING	GW
V	VENT PIPING	V
SD	STORM DRAIN PIPING	SD
OD	OVER FLOW DRAIN	OD
AW	ACID WASTE BELOW FLOOR	AW
AW	ACID WASTE ABOVE FLOOR	AW
AV	ACID VENT PIPING	AV
G	GAS LINE	G
CW	DOMESTIC COLD WATER	CW
HW	DOMESTIC HOT WATER	HW
HWR	DOMESTIC HOT WATER RETURN	HWR
A	AIR LINE	A
GV	GATE VALVE	GV
GLV	GLOBE VALVE	GLV
CKV	CHECK VALVE	CKV
BTV	BUTTERFLY VALVE	BTV
PLV	PLUG VALVE	PLV
PRV	PRESSURE REDUCING VALVE	PRV
T&P	PRESSURE RELIEF VALVE	T&P
BV	BALL VALVE	BV
STR	STRAINER	STR
UN	UNION	UN
TW	THERMOMETER WELL	TW
PG	PRESSURE GAUGE	PG
THRM	THERMOMETER	THRM
D	CONDENSATE OR INDIRECT DRAIN	D
---	BRANCH CONNECTION, TOP	---
---	BRANCH CONNECTION, BOTTOM	---
---	ELBOW UP	---
---	ELBOW DOWN	---
FCO	FLOOR CLEANOUT (INTERIOR)	FCO
CCG	CLEANOUT AT GRADE (EXTERIOR)	CCG
WCO	WALL CLEANOUT	WCO
FD	FLOOR DRAIN	FD
HB	HOSE BIBB	HB
WH	WALL HYDRANT	WH
--	DETAIL REFERENCE NUMBER (1 / P2.1)	--
--	SHEET REFERENCE NUMBER	--
DS/X	DOWNSPOUT RISER IDENTIFICATION (DS / 4)	DS/X

ABBREVIATIONS	ABBR.
ABOVE CEILING	AC
ABOVE FINISHED FLOOR	AFF
ACCESS PANEL	AP
BELOW FLOOR	BF
BELOW FINISHED FLOOR	BFF
BOTTOM OF PIPE	BOP
INDIRECT DRAIN	D
FINISHED	FIN
FLOOR	FLR
INVERT ELEVATION	INV. EL.
NORMALLY CLOSED	NC
SOFT WATER	SW
TRAP PRIMER	TP
TYPICAL	TYP
VENT THRU ROOF	VTR

PLUMBING FIXTURE CONNECTION SCHEDULE

MARK	FIXTURE	CW	SW	HW	W	V	REMARKS
WC-1	WATER CLOSET	1"	-	-	4"	2"	WALL HUNG, ELECTRONIC FLUSH
WC-2	WATER CLOSET	1"	-	-	4"	2"	WALL HUNG, ELECTRONIC FLUSH, HANDICAPPED
WC-4	WATER CLOSET	1"	-	-	4"	2"	WALL HUNG, FLUSH VALVE HANDICAPPED
L-1	LAVATORY	1/2"	-	-	2"	1-1/2"	WALL HUNG, ELECTRONIC ACTUATION
L-2	LAVATORY	1/2"	-	-	2"	1-1/2"	WALL HUNG, ELECTRONIC ACTUATION, HANDICAPPED
L-4	LAVATORY	1/2"	-	1/2"	2"	1-1/2"	WALL HUNG, HANDICAPPED
U-1	URINAL	3/4"	-	-	2"	1-1/2"	WALL HUNG, ELECTRONIC ACTUATION
U-2	URINAL	3/4"	-	-	2"	1-1/2"	WALL HUNG, ELECTRONIC ACTUATION, HANDICAPPED
EDF-1	ELECT. DRINK. FOUNTAIN	1/2"	-	-	2"	1-1/2"	WALL HUNG, DUAL HEIGHT, HANDICAPPED
ES-1	EMERG. SHWR/EYEWASH	-	-	1-1/4"	-	-	REFER TO SPECIFICATIONS
MS-1	MOP BASIN	1/2"	-	1/2"	3"	1-1/2"	FLOOR MOUNTED
3" FD-1	FLOOR DRAIN	-	-	-	-	2"	1-1/2" LIGHT DUTY
4"FD-2	FLOOR DRAIN	-	-	-	-	4"	2" HEAVY DUTY

WATER HEATER SCHEDULE

MARK	RECOVERY GPH	RECOVERY RISE F	STORAGE GALLONS	LINING	MAXIMUM INPUT FUEL	MAXIMUM INPUT CFH	MAXIMUM INPUT VOLTS#	MAXIMUM INPUT KW	REMARKS
EWH-1A	77	60	80	GLASS	ELECT.	-	480/3	15	A.O. SMITH MODEL # DSE-80
EWH-2B	46	60	50	GLASS	ELECT.	-	480/3	9	A.O. SMITH MODEL # DSE-50
EWH-3C	77	60	80	GLASS	ELECT.	-	480/3	15	A.O. SMITH MODEL # DSE-80
EWH-4C	77	60	80	GLASS	ELECT.	-	480/3	15	A.O. SMITH MODEL # DSE-80

RECIRCULATING PUMP SCHEDULE

MARK	SERVICE	GPM	TOTAL HEAD FT	MOTOR HP	ELECTRICAL VOLTS	ELECTRICAL PHASE	ELECTRICAL HERTZ	REMARKS
CP-1	HOT WTR. RECIRC.	5	8	1/12	115	1	60	BELL & GOSSETT SERIES # 100
CP-2	HOT WTR. RECIRC.	5	8	1/12	115	1	60	BELL & GOSSETT SERIES # 100

SUMP PUMP SCHEDULE

MARK	DESCRIPTION	CAP GPM	TDH	ELECTRICAL HP	RPM	VOLT	PH	HZ	DISCHARGE PIPE SIZE	NOTES	REFERENCE
SP-1	SUMP PUMP #1	20	22.5	.33	1750	115	1	60	1-1/4"	-	WEIL MODEL # 1431

OIL FREE AIR COMPRESSOR SCHEDULE

MARK	SCFM / PSIG	RPM	ELECTRICAL HP	ELECTRICAL VOLTS	ELECTRICAL PHASE	ASME TANK SIZE	REFERENCE
AC-1	18/175	1750	5	480	3	60	INGERSOLL RAND MODEL # 2340L5

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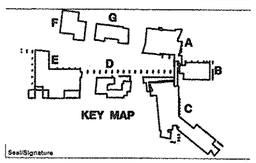
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04	03.15.02 90% C.D. REVIEW		
05	04.11.02 CONSTRUCTION DOCUMENTS		

ISSUE FOR
~~JUN 1 8 2002~~
CONSTRUCTION



Seal/Signature



Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name

Description
BUILDING C - PLUMBING DETAILS, SCHEDULES AND SYMBOLS/ABBREVIATIONS

Scale
NOT TO SCALE

True North

Ref. North

C-P4.01

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COMMUNICATIONS SYMBOL LEGEND

VOICE & DATA SYMBOLS

	VOICE OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE
X	VOICE OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE. X-NUMBER OF CABLE TERMINATIONS PER LOCATION AS INDICATED
W	VOICE OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +52" A.F.F. UNLESS NOTED OTHERWISE
	VOICE OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +6" ABOVE COUNTER OR SPLASH UNLESS NOTED OTHERWISE
P	PUBLIC TELEPHONE OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED HEIGHT AS SPECIFIED
N	VOICE OUTLET, NO INSTRUMENT, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE
1	VOICE OUTLET, KEYNOTE (1) APPLIES
X	POWER/COMMUNICATIONS POLE WITH X-NUMBER OF VOICE TERMINATIONS PER LOCATION
	VOICE OUTLET, CABLE TYPE AS SPECIFIED, FLUSH FLOOR MOUNTED
	VOICE OUTLET, CABLE TYPE AS SPECIFIED, SURFACE MOUNTED MONUMENT
	DATA OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE
X	DATA OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE. X-NUMBER OF CABLE TERMINATIONS PER LOCATION
	DATA OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +6" ABOVE COUNTER OR SPLASH UNLESS NOTED OTHERWISE
1	DATA OUTLET, KEYNOTE (1) APPLIES
X	POWER/COMMUNICATIONS POLE WITH X-NUMBER OF DATA TERMINATIONS PER LOCATION
	DATA OUTLET, CABLE TYPE AS SPECIFIED, FLUSH FLOOR MOUNTED
	DATA OUTLET, CABLE TYPE AS SPECIFIED, SURFACE MOUNTED MONUMENT
	VOICE AND DATA OUTLET WITH 1 VOICE RUN AND 1 DATA RUN, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE
X Y	VOICE AND DATA OUTLET WITH X-NUMBER OF VOICE TERMINATIONS AND Y-NUMBER OF DATA TERMINATIONS, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE
	VOICE AND DATA OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +6" ABOVE COUNTER OR SPLASH UNLESS NOTED OTHERWISE
1	VOICE AND DATA OUTLET, KEYNOTE (1) APPLIES
X Y	POWER/COMMUNICATIONS POLE WITH X-NUMBER OF VOICE TERMINATIONS AND Y-NUMBER OF DATA TERMINATIONS PER LOCATION
X Y	VOICE AND DATA OUTLET WITH X-NUMBER OF VOICE TERMINATIONS AND Y-NUMBER OF DATA TERMINATIONS, CABLE TYPE AS SPECIFIED, FLUSH FLOOR MOUNTED
	VOICE AND DATA OUTLET, CABLE TYPE AS SPECIFIED, SURFACE MOUNTED MONUMENT
	FIBER OPTIC OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE
X	FIBER OPTIC OUTLET WITH X-NUMBER OF FIBER OPTIC STRANDS, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE
	FIBER OPTIC OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +6" ABOVE COUNTER OR SPLASH UNLESS NOTED OTHERWISE
1	FIBER OPTIC OUTLET, KEYNOTE (1) APPLIES
X	POWER/COMMUNICATIONS POLE WITH X-NUMBER OF FIBER OPTIC STRANDS PER LOCATION
	FIBER OPTIC OUTLET, CABLE TYPE AS SPECIFIED, FLUSH FLOOR MOUNTED
	FIBER OPTIC OUTLET, CABLE TYPE AS SPECIFIED, SURFACE MOUNTED MONUMENT
	ROUGH-IN LOCATION, INFRASTRUCTURE AS SPECIFIED

AUDIO/VISUAL & SECURITY SYMBOLS

	VIDEO OUTLET, CABLE TYPE AND TERMINATION AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE
	VIDEO OUTLET, CABLE TYPE AND TERMINATION AS SPECIFIED, FLUSH FLOOR MOUNTED
1	VIDEO OUTLET, KEYNOTE (1) APPLIES
	MULTIMEDIA OUTLET, CABLE TYPES AND TERMINATIONS AS SPECIFIED, [ENTER DESCRIPTION AS REQUIRED]
	MULTIMEDIA OUTLET, CABLE TYPES AND TERMINATIONS AS SPECIFIED, [ENTER DESCRIPTION AS REQUIRED], FLUSH FLOOR MOUNTED
S	PROGRAM SPEAKER, WALL MOUNTED, MOUNTING HEIGHT AS SPECIFIED
S	DISTRIBUTED SPEAKER, CEILING MOUNTED
M	MICROPHONE OUTLET, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE
M	MICROPHONE OUTLET, CEILING MOUNTED
V	VOLUME CONTROL, MOUNTED +48" A.F.F. UNLESS NOTED OTHERWISE
	STATIC CAMERA,
	PAN/TILT/ZOOM CAMERA
	CARD READER
	DURESS BUTTON
	ELECTROMAGNETIC DOOR LOCK
	DOOR POSITION SWITCH
	GLASS BREAK SENSOR
	INTERCOM
	KEYPAD
	MOTION DETECTOR
	SIREN SPEAKER/HORN

VIDEO BROADBAND SYMBOLS

	VIDEO SYSTEM HEADEND, EQUIPMENT AS SPECIFIED
	POWER SUPPLY AS SPECIFIED
	REVERSE-CAPABLE RF LINE EXTENDER AMPLIFIER AS SPECIFIED
	RF DISTRIBUTION AMPLIFIER AS SPECIFIED
8 DC-8	DIRECTIONAL COUPLER, dB LOSS LEVEL AS INDICATED
	2-WAY VIDEO SPLITTER
	3-WAY VIDEO SPLITTER WITH HI-LEG INDICATED
4	2-PORT VIDEO TAP, dB LOSS LEVEL AS INDICATED
8	4-PORT VIDEO TAP, dB LOSS LEVEL AS INDICATED
11	8-PORT VIDEO TAP, dB LOSS LEVEL AS INDICATED
XX.X HI-FREQ. / XX.X LOW-FREQ.	HIGH/LOW FREQUENCY EOL dB LEVELS
	VIDEO CABLE TERMINATION
	VIDEO CABLE SPLICE
	VIDEO IN-LINE EQUALIZER
	FIBER OPTIC RECEIVER
	FIBER OPTIC TRANSMITTER
	.500 COAXIAL CABLE AS SPECIFIED
	.750 COAXIAL CABLE AS SPECIFIED
	RG6 COAXIAL CABLE AS SPECIFIED
	CLOSED-CIRCUIT TELEVISION (CCTV) VIDEO OUTLET, CABLE TYPE AND TERMINATION AS SPECIFIED, MOUNTED +84" A.F.F. UNLESS NOTED OTHERWISE

CABLE PLANT & RISER SYMBOLS

	CONDUIT FOR GROUND WIRE
	CONDUIT, SIZE AND TYPE AS INDICATED
	FIBER OPTIC TERMINATION PANEL, SIZE & TYPE AS SPECIFIED
	FIBER OPTIC CABLE, STRAND COUNT & TYPE (SM/MM) AS INDICATED
XXX	UNSHIELDED TWISTED PAIR (UTP) COPPER CABLE, SIZE & TYPE AS INDICATED
XXX	SHIELDED TWISTED PAIR (STP) COPPER CABLE, SIZE & TYPE AS INDICATED
	COAXIAL COPPER CABLE, SIZE & TYPE AS INDICATED
	HANDHOLE OR MANHOLE, SIZE & TYPE AS INDICATED
	PULLBOX, SIZE AND TYPE AS INDICATED
	CONDUIT HOME RUN, QUANTITY, SIZE & TYPE AS INDICATED
	CONDUIT RUN TURNED UP, QUANTITY, SIZE & TYPE AS INDICATED
	CONDUIT RUN TURNED DOWN, QUANTITY, SIZE & TYPE AS INDICATED
	CONDUIT BANK, QUANTITY, SIZE & TYPE AS INDICATED
	CONDUIT BANK, CONCRETE ENCASED, QUANTITY, SIZE & TYPE AS INDICATED
	CABLE CHASE SLOT, SIZE AS INDICATED
10'	CABLE SLACK, LENGTH AS INDICATED

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
ACR	AERIAL
B	BURIED
CAT.3/5	CATEGORY 3/5
CATV	COMMUNITY ANTENNA TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CLT	CLOSET
CO	CENTRAL OFFICE
DEMARC	DEMARCATION POINT
EMT	ELECTRIC METALLIC TUBE
F.O.C.	FIBER OPTIC CABLE
GIP	GALVANIZED IRON PIPE
HH	HANDHOLE
IRC	INTERMEDIATE RIGID CONDUIT
ISP	INSIDE CABLE PLANT
IDF	INTERMEDIATE DISTRIBUTION FRAME
MDF	MAIN DISTRIBUTION FRAME
MH	MANHOLE
MM	MULTIMODE
OSP	OUTSIDE CABLE PLANT
PB	PULLBOX
PR	PAIR
PBX	PRIVATE BRANCH EXCHANGE
PVC	POLYVINYL CHLORIDE
SM	SINGLE MODE
SP	SERVICE PROVIDER
STP	SHIELDED TWISTED PAIR
TB	TERMINAL BLOCK
UTP	UNSHIELDED TWISTED PAIR

NOTES

1. TELECOMMUNICATIONS DRAWINGS ARE FOR REFERENCE ONLY AND SHALL BE USED TO COMPLEMENT WRITTEN SPECIFICATIONS. ANY DISCREPANCIES BETWEEN TELECOMMUNICATIONS DRAWINGS AND WRITTEN SPECIFICATIONS SHALL BE DISCUSSED WITH ARCHITECT AND ENGINEER BEFORE ORDER OF EQUIPMENT AND INSTALLATION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PHYSICAL MEASUREMENTS OF CABLE DISTANCES AND OUTLET LOCATIONS. SCALE PROVIDED FOR REFERENCE ONLY.
3. CONTRACTOR SHALL INDICATE ALL COST(S) FOR WORK INDICATED ON DRAWINGS AS I.T. IN A LUMP SUM FORMAT, REGARDLESS OF DIVISION 16 AND DIVISION 17 WORK AS SPECIFIED. PRICING SHALL BE INDICATED ON THE PROPOSAL FORM, SECTION AC.

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C-IT1.02	TELECOMMUNICATION REGION TR2.0
C-IT1.03	TELECOMMUNICATION REGION TR2.1
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C-IT2.00	BUILDING C FLOOR 2 A/V KEYPLAN
C-IT2.01	BUILDING C FLOOR 3 A/V KEYPLAN
C-IT2.10	BUILDING C FLOOR 2 A/V FLOORPLANS
C-IT2.20	BUILDING C FLOOR 2 A/V FLOORPLANS
C-IT2.30	BUILDING C FLOOR 3 A/V FLOORPLANS
C-IT2.40	BUILDING C FLOOR 3 A/V FLOORPLANS
C-IT2.50	BUILDING C FLOOR 3 A/V FLOORPLANS
C-IT3.00	CONDUIT LAYOUT REGION TR1.0
C-IT3.01	CONDUIT LAYOUT REGION TR1.1
C-IT3.02	CONDUIT LAYOUT REGION TR2.0
C-IT3.03	CONDUIT LAYOUT REGION TR2.1
C-IT3.04	CONDUIT LAYOUT REGION TR2.1
C-IT4.00	VIDEO BROADBAND DISTRIBUTION SYSTEM
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C-IT4.03	VIDEO BROADBAND DISTRIBUTION SYSTEM
C-IT4.04	VIDEO BROADBAND DISTRIBUTION SYSTEM

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KEY MAP

Seal/Signature

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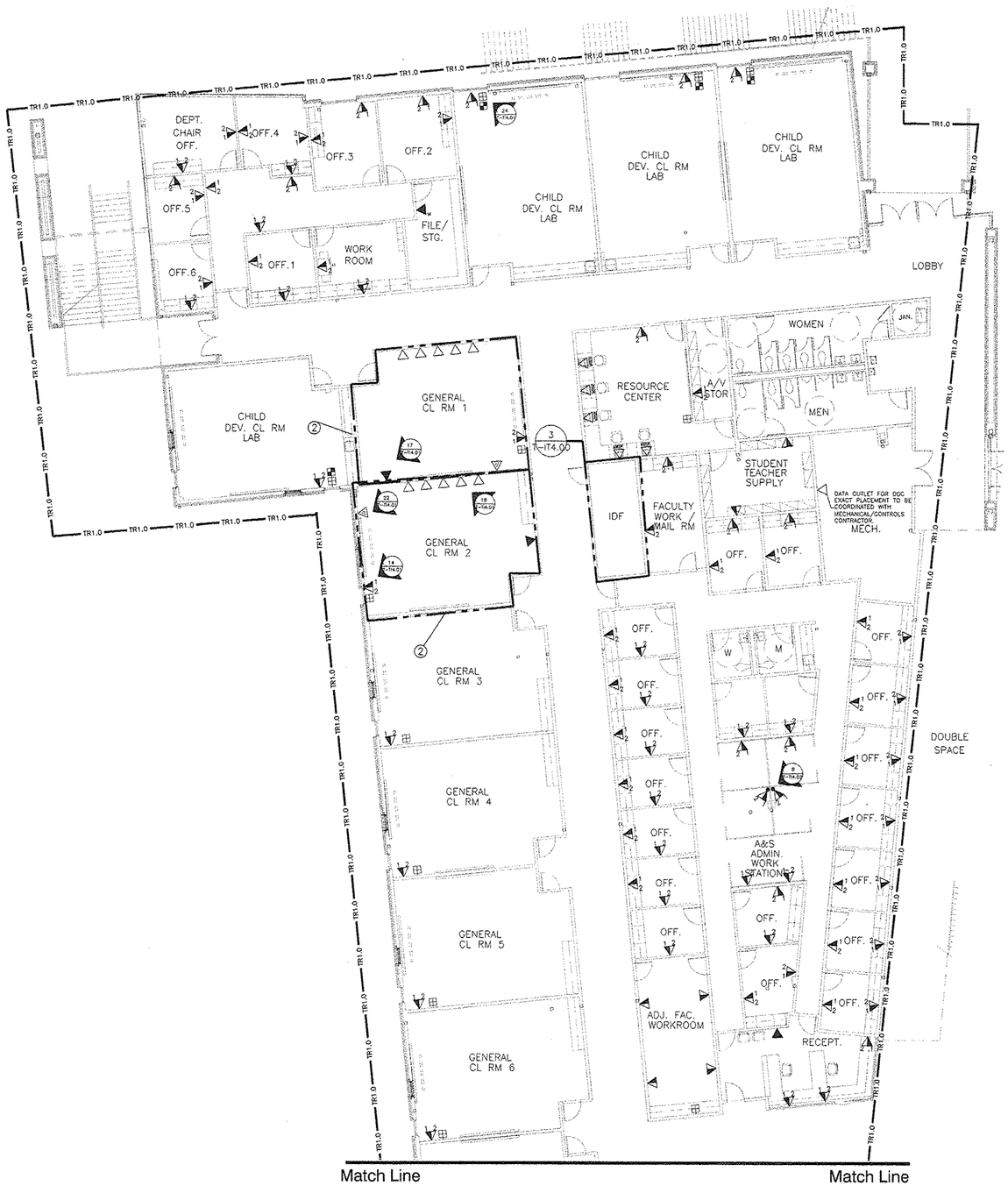
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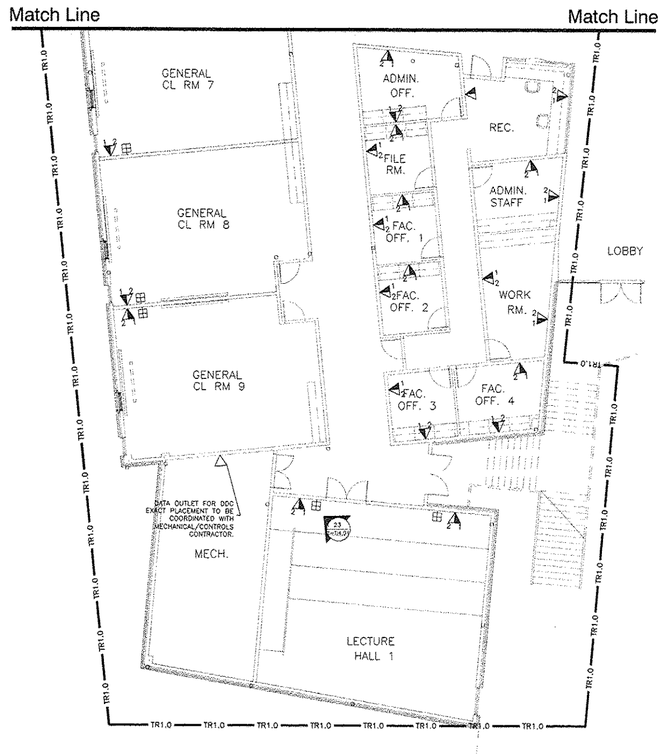
Description

Scale

C-IT0.00

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KEY NOTES:

1. CABLE CONTRACTOR RESPONSIBLE FOR THE FOLLOWING:
   1. PULL CABLE FROM IDF TO ELEVATOR CONTROL PANEL.
   2. TERMINATE IDF END ON 110 BLOCK.
   3. LEAVE 20' OF SLACK CABLE, COILED, LABELED AND STORED FOR ELEVATOR CONTRACTOR.

   ELEVATOR CONTRACTOR IS RESPONSIBLE FOR TERMINATION AT EQUIPMENT END OF CABLE.

   OWNER RESPONSIBLE FOR CROSS-CONNECT OF PHONE LINE.
2. SEE A/V SHEETS FOR ADDITIONAL ROOM REQUIREMENTS.

Telecommunication Region TR1.0

1 / C-IT1.00 SCALE: 1/8" = 1'-0"

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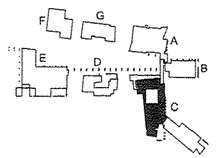
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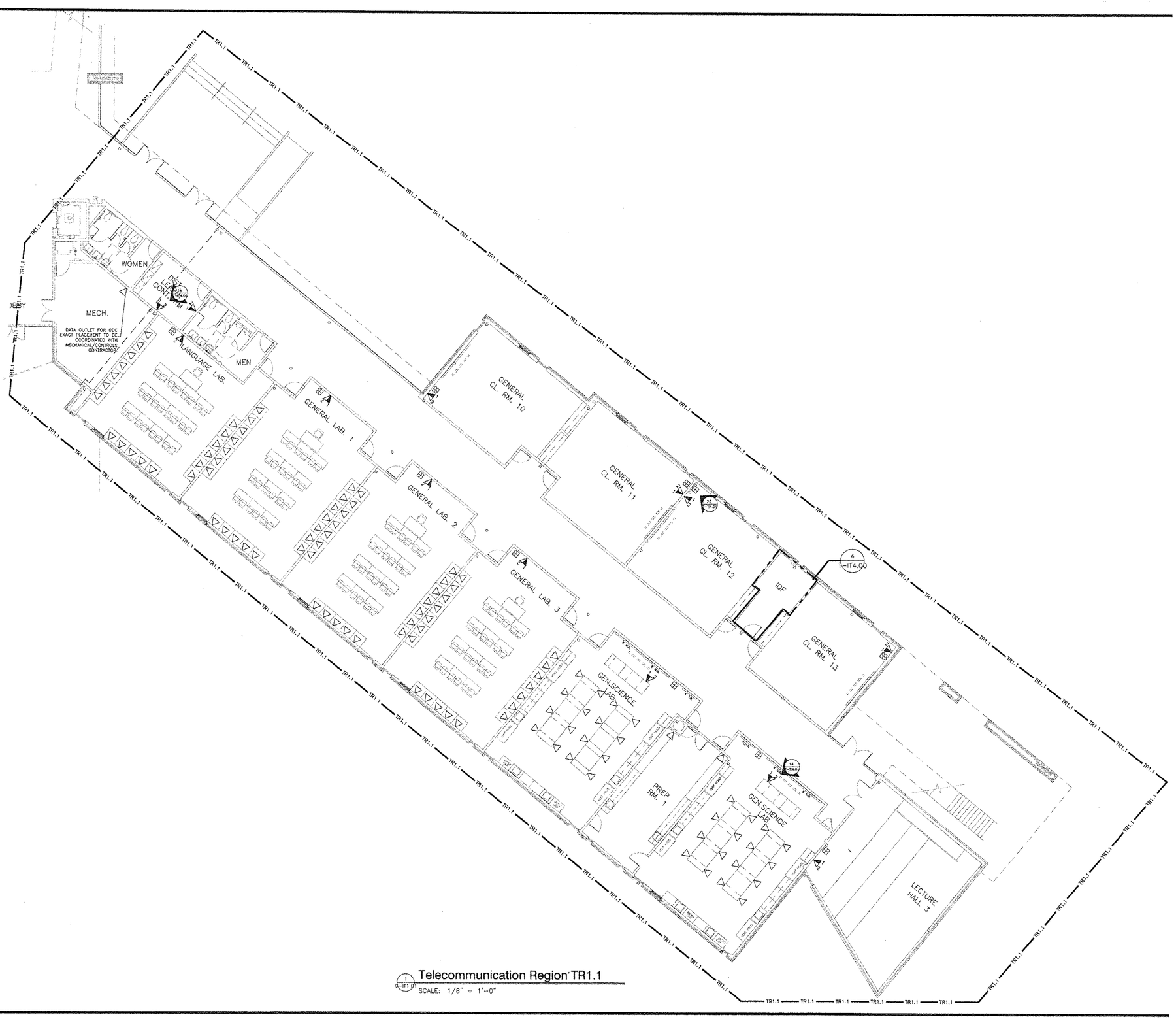
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1 C-IT1.01 Telecommunication Region TR1.1
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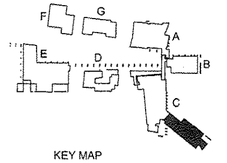
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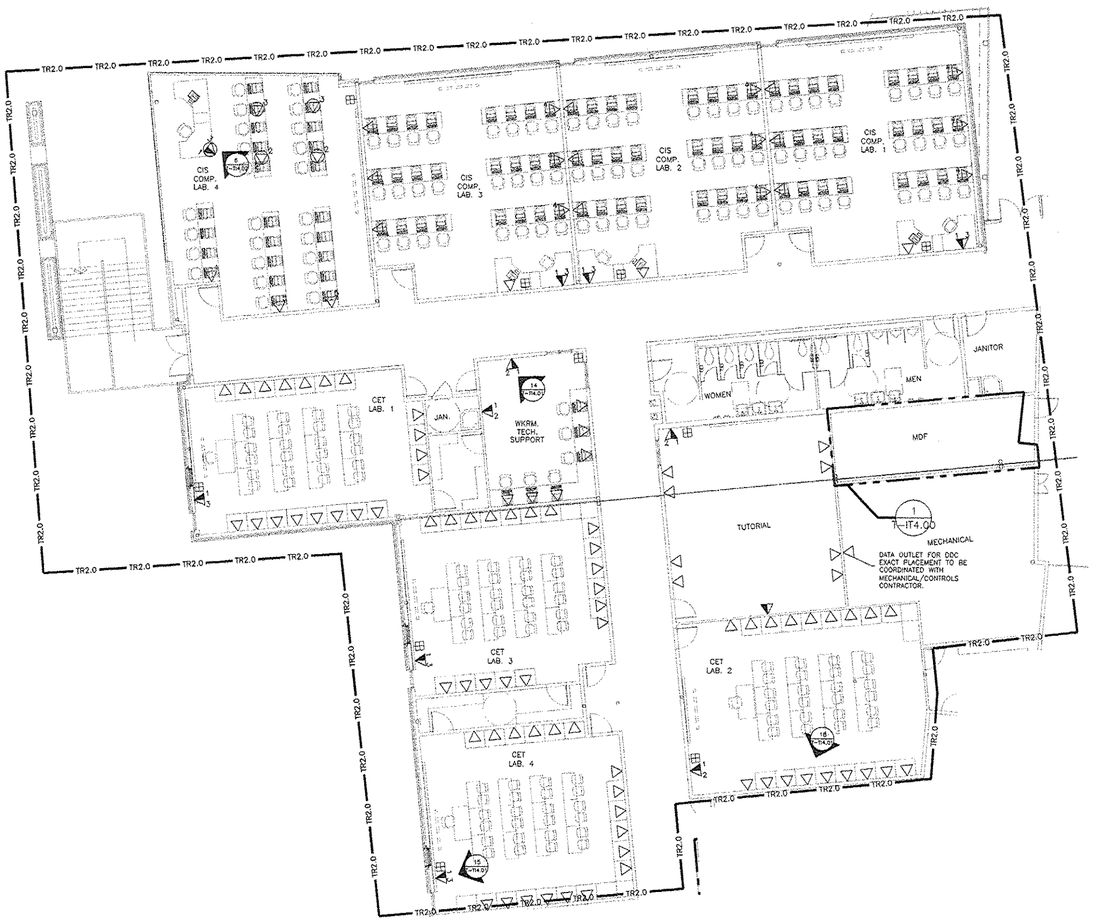
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Telecommunication Region TR2.0

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

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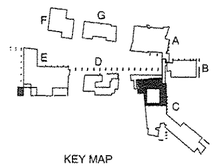
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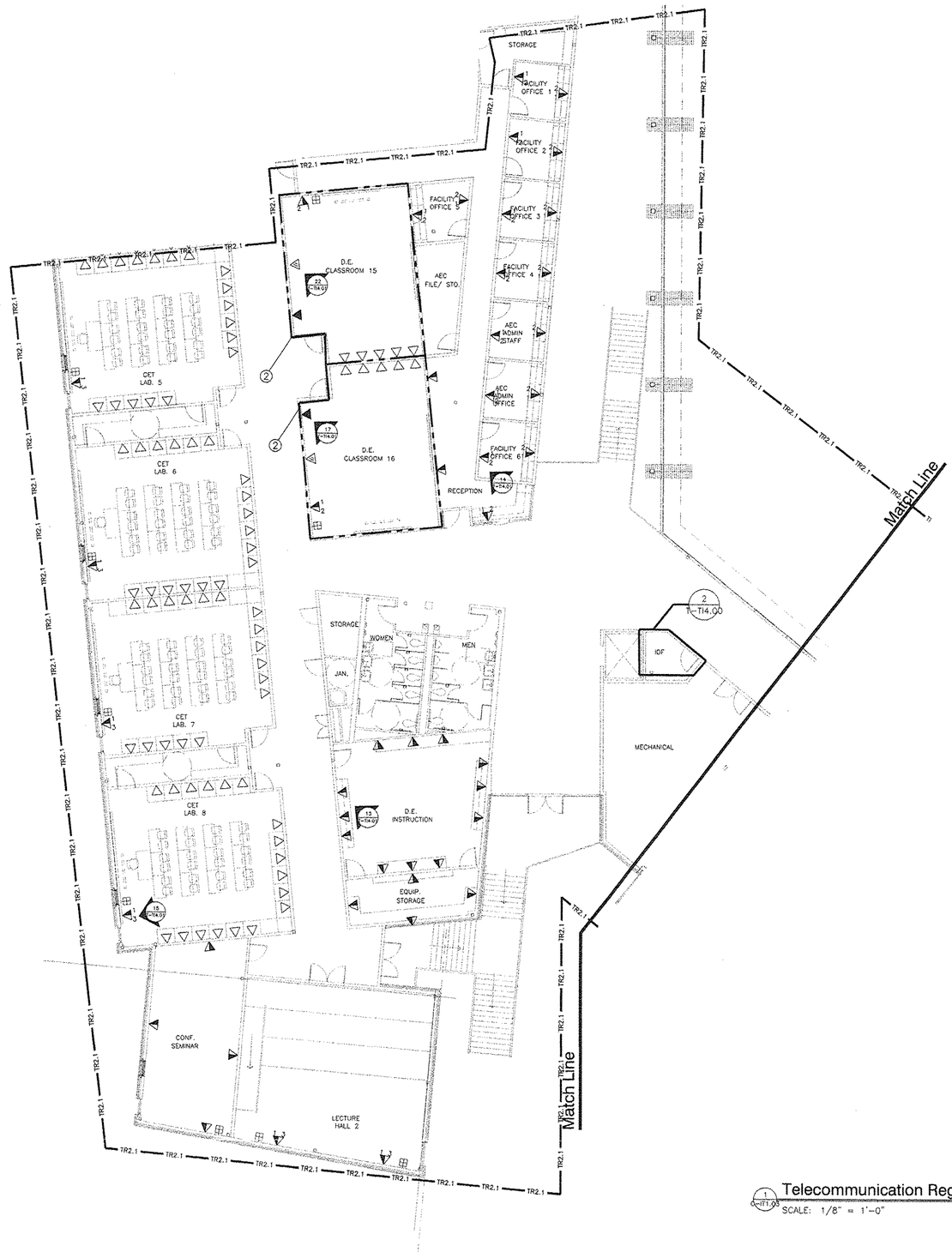
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Telecommunication Region TR2.1

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

KEY NOTES:

1. CABLE CONTRACTOR RESPONSIBLE FOR THE FOLLOWING:
   1. PULL CABLE FROM IDF TO ELEVATOR CONTROL PANEL.
   2. TERMINATE IDF END ON 110 BLOCK.
   3. LEAVE 20' OF SLACK CABLE, COILED, LABELED AND STORED FOR ELEVATOR CONTRACTOR.

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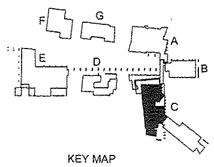
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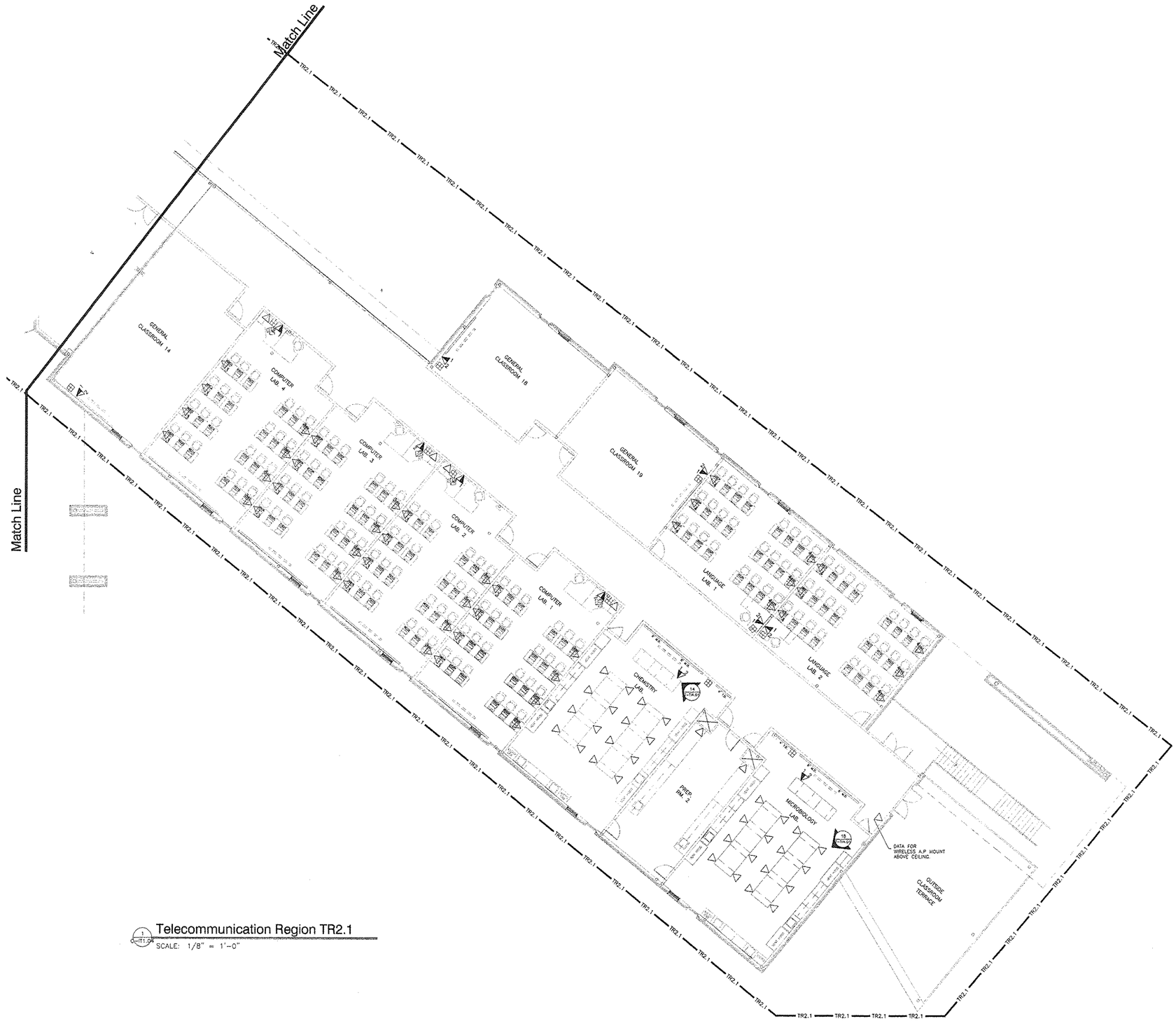
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C-IT1.03

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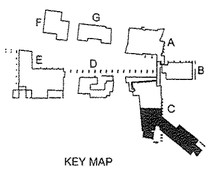
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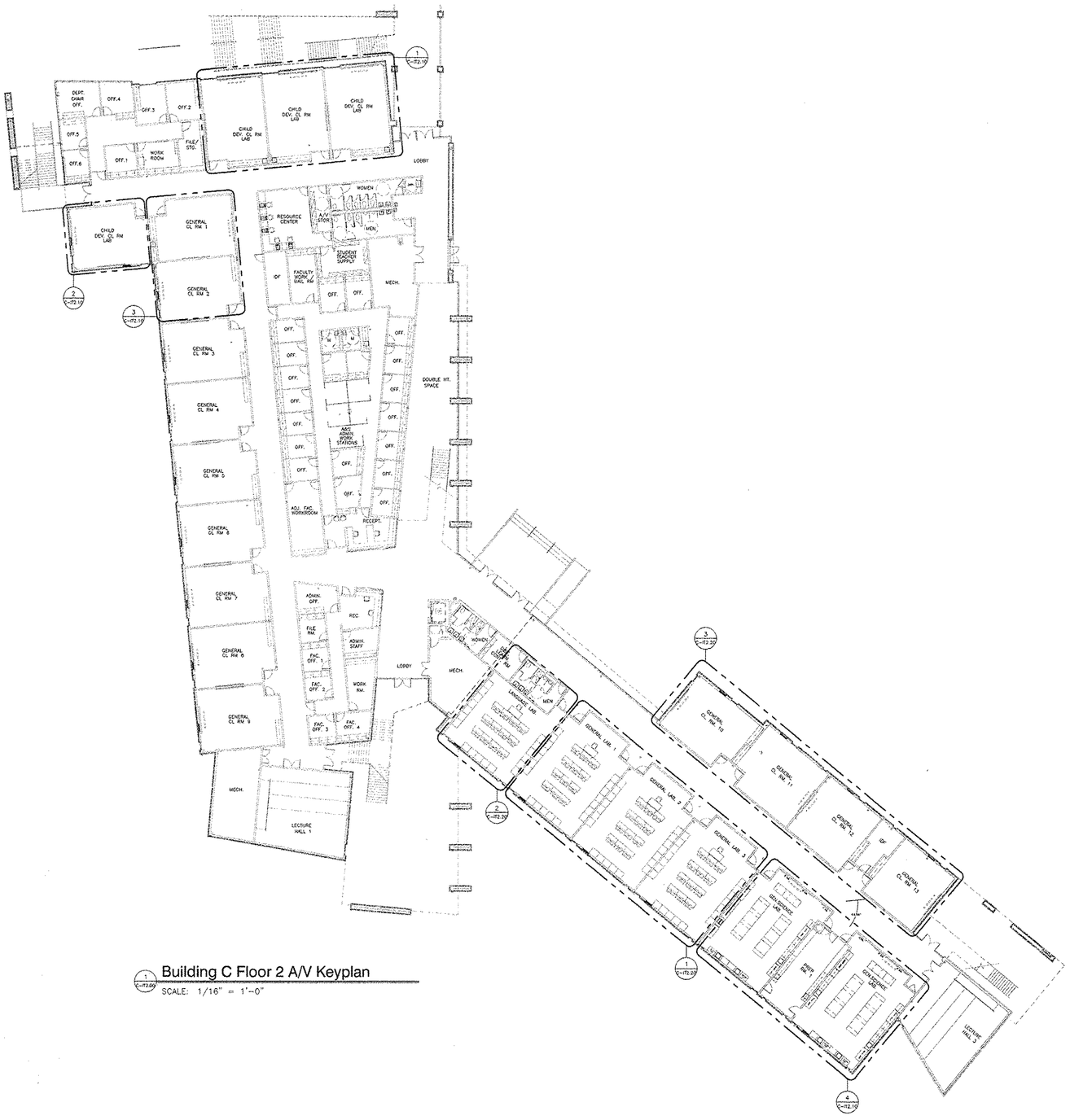
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Description
Building 'C' - Telecommunication Region TR2.1

Scale

C-IT1.04

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Building C Floor 2 A/V Keyplan

C-IT2.00 SCALE: 1/16" = 1'-0"

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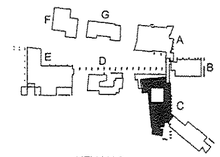
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01	04.11.02 Construction Documents	TAZ	RJS

ISSUE FOR
~~JUN 1 8 2002~~
CONSTRUCTION



KEY MAP

Seal/Signature



Project Name
Laredo
Community College

Project Number
01278.000

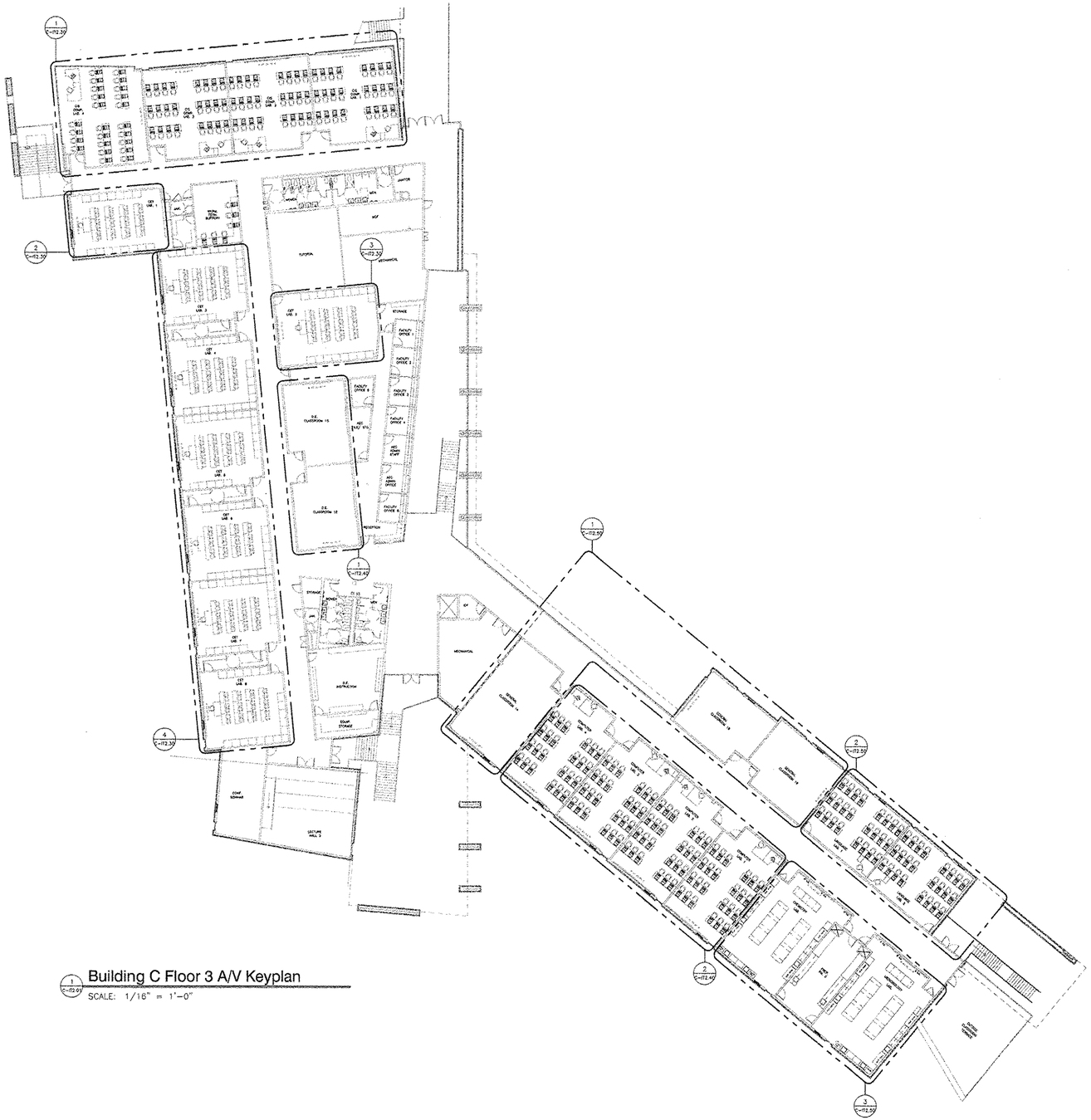
CAD File Name
Building 'C' -A/V Keyplan

Description

Scale

C-IT2.00

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Building C Floor 3 A/V Keyplan
SCALE: 1/16" = 1'-0"

Laredo Community College
Second Campus

Laird Hall Rm. 125
West End Washington St.
Laredo, Texas 78040

Project Manager
Jacobs Facilities, Inc.
Laredo Community College
Second Campus Project Management
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Admin. Annex. Bldg.
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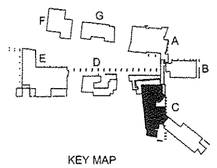
Civil Engineer
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Landscape Design
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Technology Design
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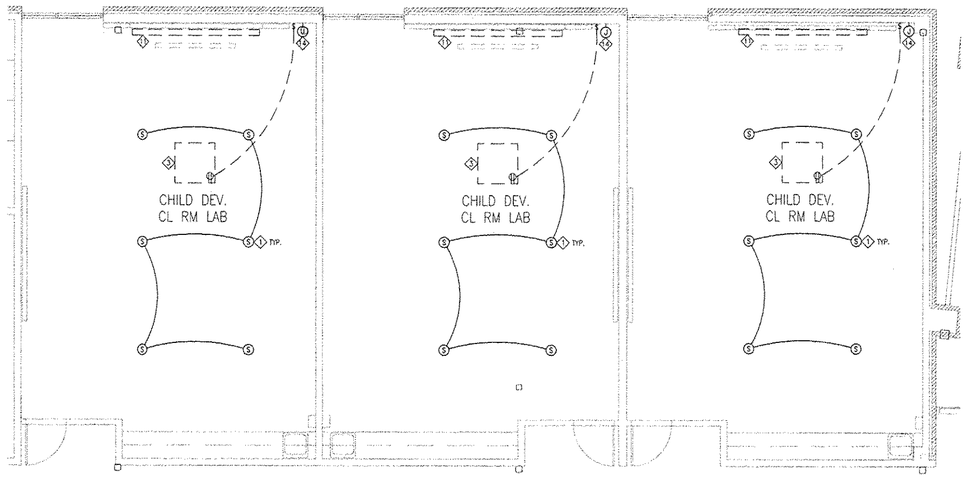
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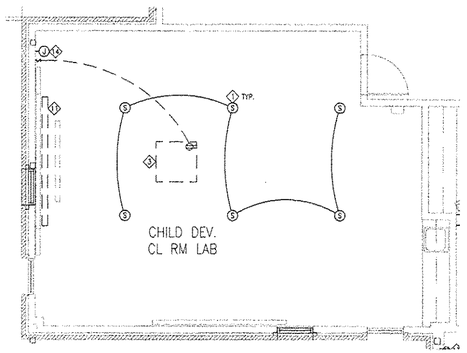
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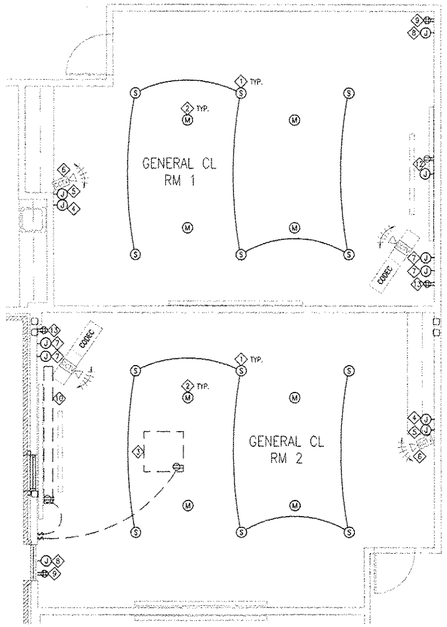
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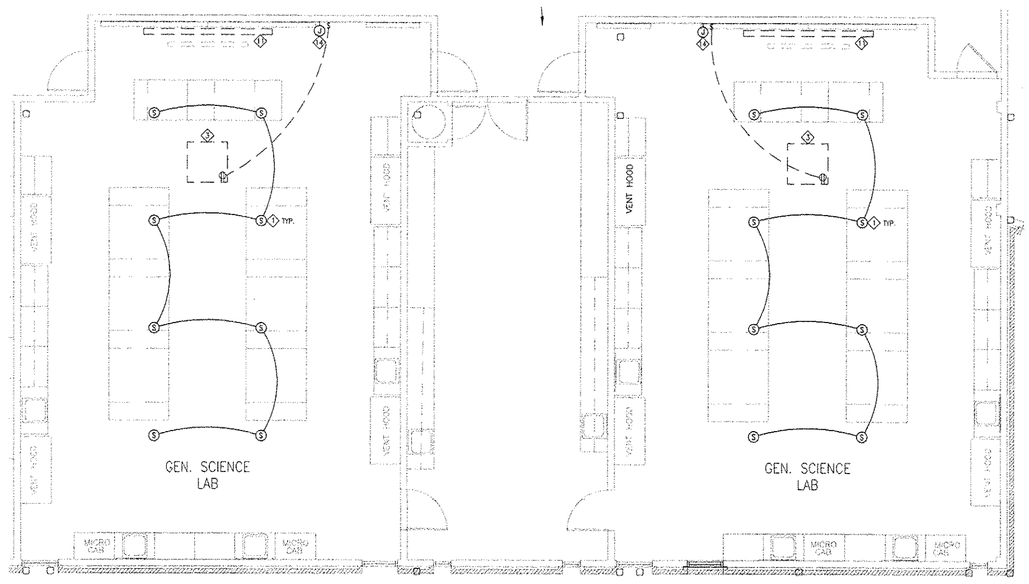
1 C-IT2.10 — Child Development Labs A/V
SCALE: 1/4" = 1'-0"



2 C-IT2.10 — Child Development Lab A/V
SCALE: 1/4" = 1'-0"



3 C-IT2.10 — Distance Education Classrooms A/V
SCALE: 1/4" = 1'-0"



4 C-IT2.10 — General Science Labs A/V
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. ALL CONDUITS IN WALL STUBBED UP TO ABOVE CEILING.
2. ALL CONDUITS BY DIVISION 16 CONTRACTOR.
3. ALL ELECTRICAL BY DIVISION 16 CONTRACTOR.

KEYED NOTES:

1. FUTURE CEILING-MOUNTED ZONE-CONTROLLED SPEAKERS (NIC). EXACT LOCATIONS TO BE COORDINATED WITH CEILING PLAN.
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3. PREPARE AREA FOR FUTURE CEILING-MOUNTED PROJECTOR (NIC). PROVIDE AND INSTALL (2) 48" LONG UNISTRUT METAL FRAMES SECURED TO DECK. PROVIDE AND INSTALL UNISTRUT MOUNTING PLATE (PEERLESS INDUSTRIES, CMJ 300/310 SERIES), EXTENSION COLUMN(S) AS REQUIRED (PEERLESS INDUSTRIES, EXT SERIES), CORD MANAGEMENT ADAPTER (PEERLESS INDUSTRIES, ACC 600), BALL AND SOCKET MOUNT (PEERLESS INDUSTRIES, PJC 100) AND ESCUTCHEON RING (PEERLESS INDUSTRIES, ACC640). REFER TO DETAILS 3 & 4 SHEET T-IT2.00 FOR ADDITIONAL INFORMATION. PROVIDE SWITCHED 120VAC 20 AMP DEDICATED POWER CIRCUIT PIGTAIL IN CEILING (COORDINATE WITH ELECTRICAL DRAWINGS FOR PANEL LOCATIONS). PROVIDE CONDUIT PATHWAY TO KEYNOTE 7. COORDINATE EXACT PLACEMENT WITH SCREEN SIZE AND ROOM SIZE.
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16. PROVIDE AND INSTALL SINGLE GANG JUNCTION BOX WITH (1) 1/2" CONDUIT STUBBED TO ABOVE CEILING FOR MICROPHONE INPUT. PROVIDE PATHWAY TO KEYNOTE 19.
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18. PREPARE AREA AND PROVIDE AND INSTALL ATLAS SOUNDOLIER AWR-5A TILT-OUT WALL CABINET FOR FUTURE CD/CASSETTE AUDIO SOURCE EQUIPMENT (NIC).
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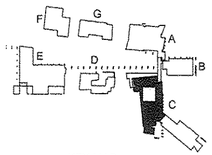
Mejia Engineering Co. — Civil Engineer
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KEY MAP

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Community College

Project Number
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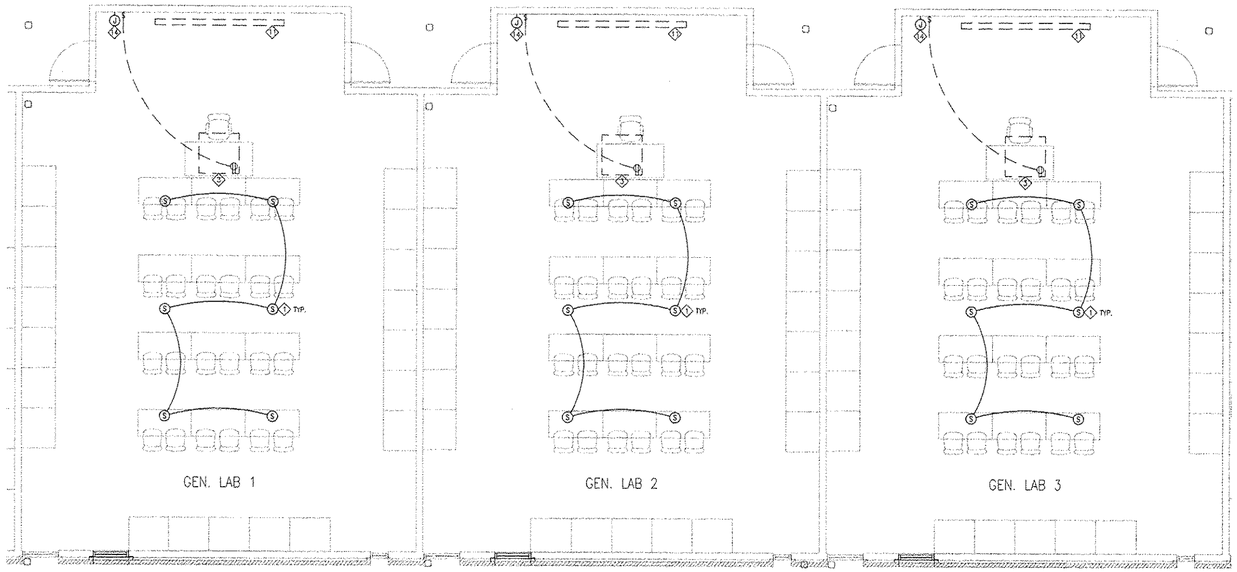
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Building 'C' -A/V Floorplans

Scale

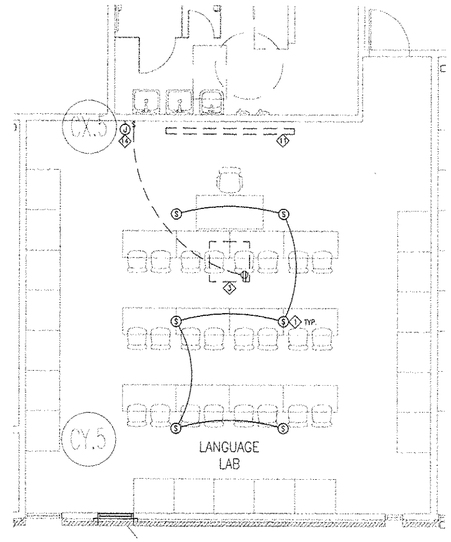
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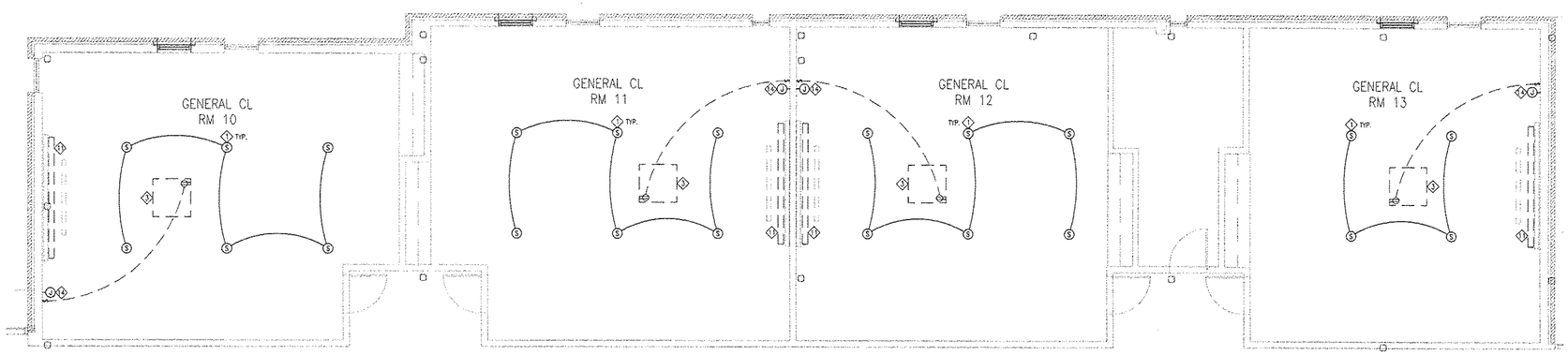
1 C-IT2.20 — General Labs A/V

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



2 C-IT2.20 — Language Lab A/V

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



3 C-IT2.20 — General Classrooms A/V

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

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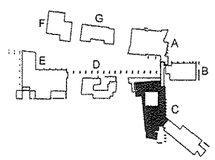
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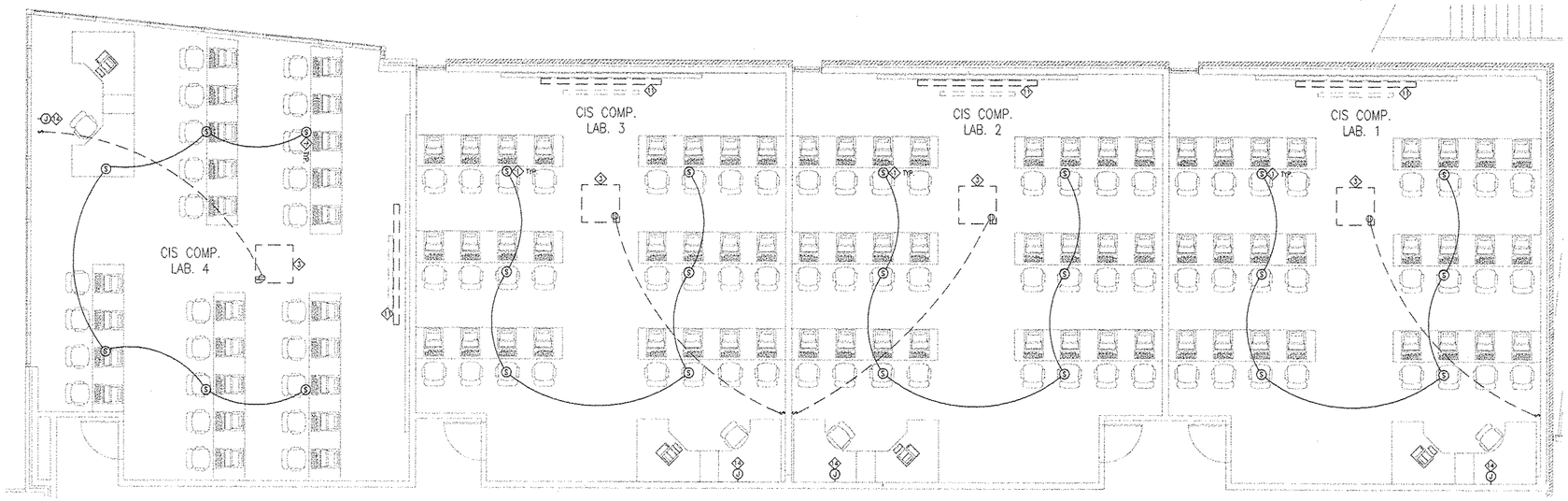
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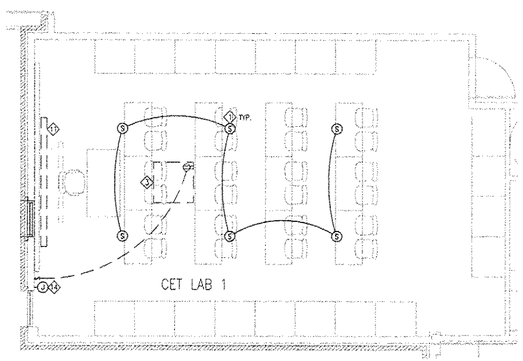
C-IT2.20

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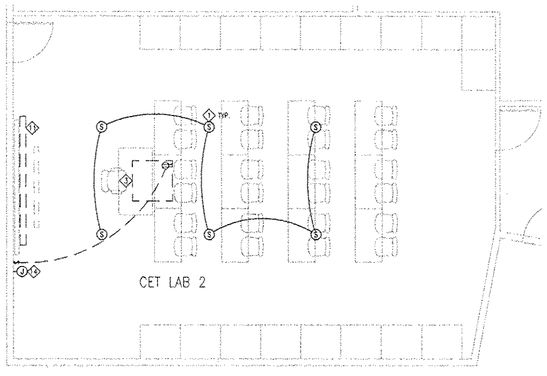
CIS Computer Labs A/V

C-IT2.30 — SCALE: 1/4" = 1'-0"



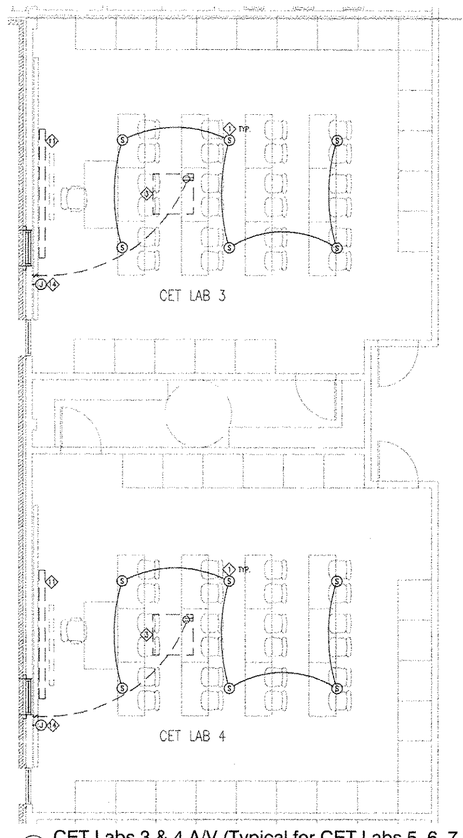
CET Lab 1 A/V

2 C-IT2.30 — SCALE: 1/4" = 1'-0"



CET Lab 2 A/V

3 C-IT2.30 — SCALE: 1/4" = 1'-0"



CET Labs 3 & 4 A/V (Typical for CET Labs 5, 6, 7 & 8)

4 C-IT2.30 — SCALE: 1/4" = 1'-0"

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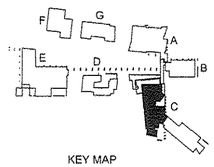
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Issue	Date & Issue Description	By	Check
--	01 04.11.02 Construction Documents	TAZ	RJS

ISSUE FOR
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CONSTRUCTION



KEY MAP

Seal/Signature



Project Name
Laredo
Community College

Project Number
01278.000

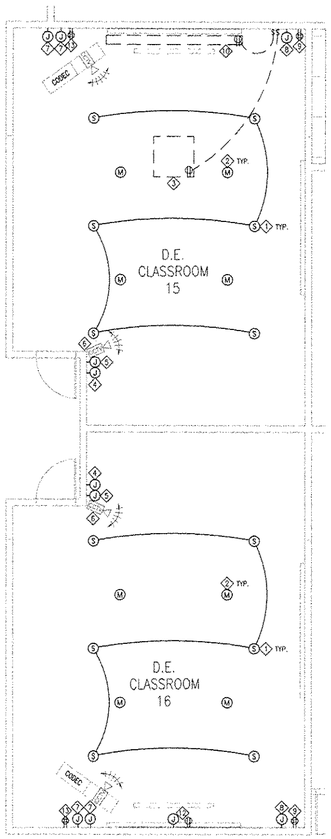
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Description

Scale

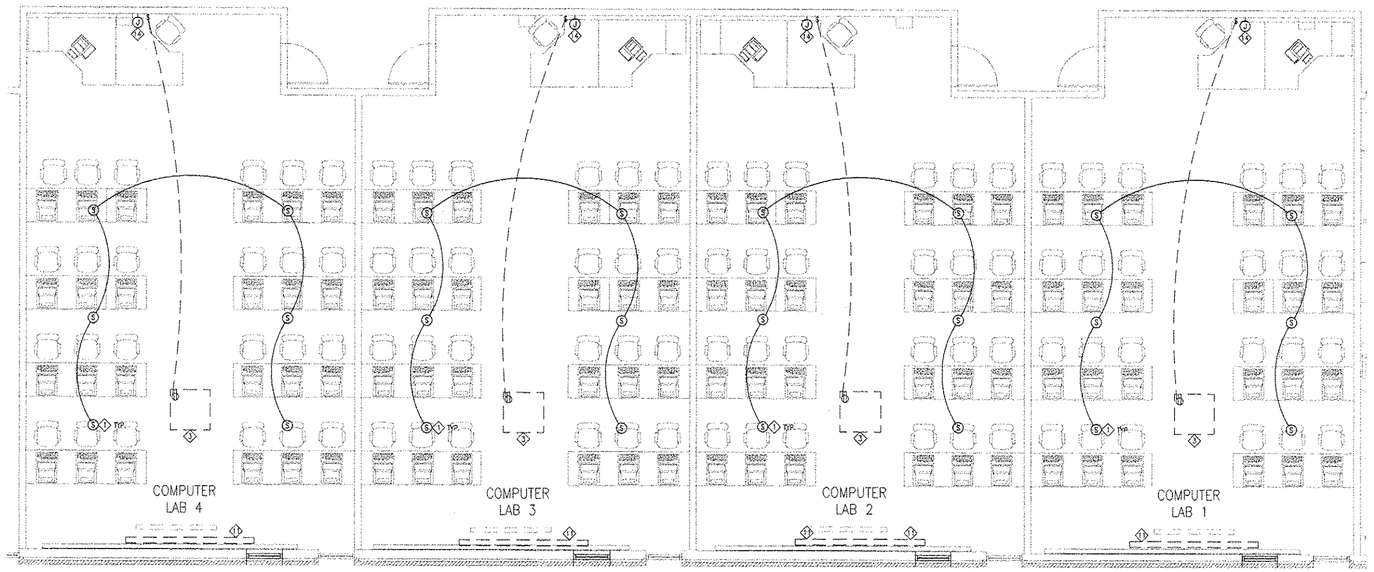
C-IT2.30

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1 C-IT2.40 Distance Education Classrooms A/V

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



2 C-IT2.40 Computer Labs A/V

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

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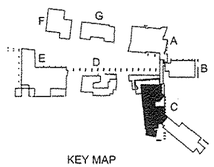
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CONSTRUCTION



KEY MAP

Seal/Signature



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Laredo
Community College

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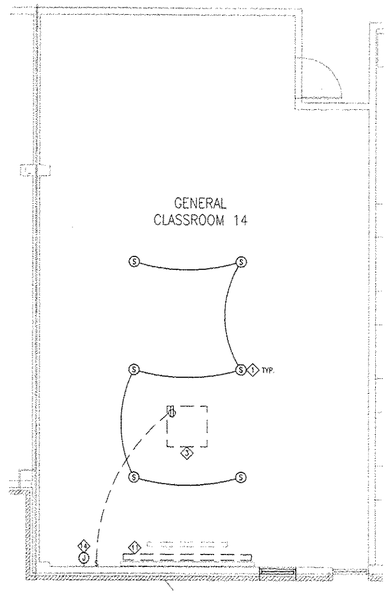
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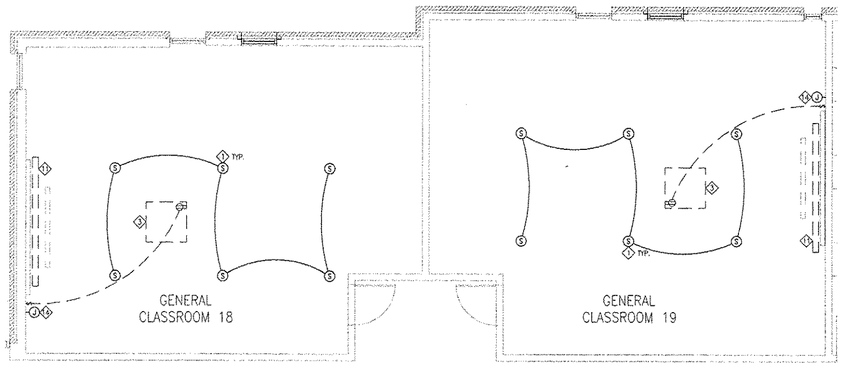
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Scale

C-IT2.40

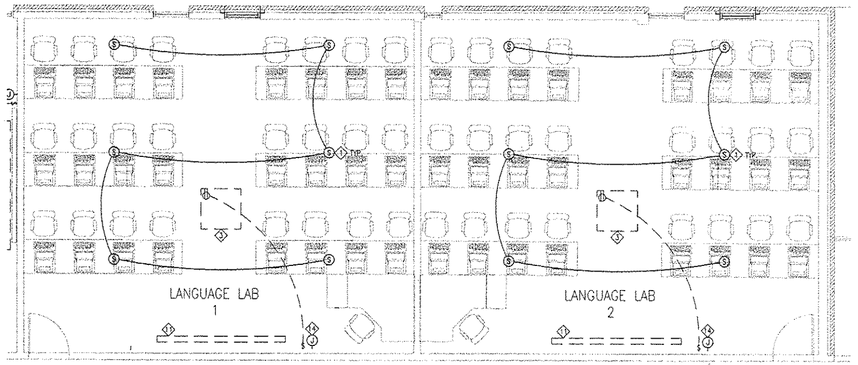
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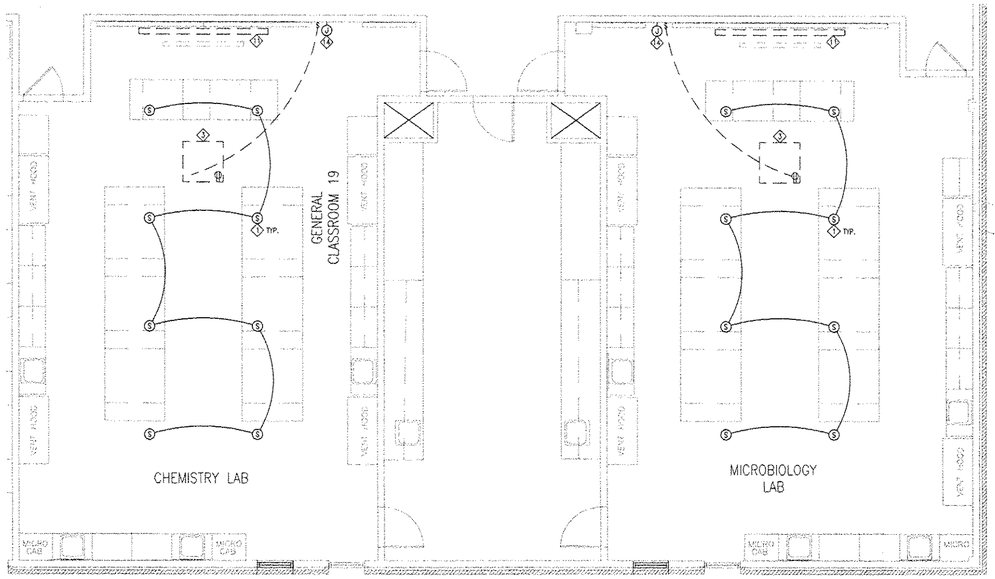
1 C-IT2.50 General Classrooms A/V

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



2 C-IT2.50 Language Labs A/V

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



3 C-IT2.50 Chemistry & Microbiology Labs A/V

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

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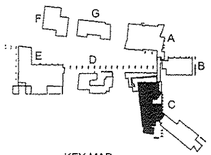
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ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



KEY MAP

Seal/Signature



Project Name
Laredo
Community College

Project Number
01278.000

CAD File Name
Building 'C' -A/V Floorplans

Description

Scale

C-IT2.50

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1 C-IT3.01 Conduit Layout Region TR1.1

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

GENERAL CONDUIT NOTES:

(APPLICABLE UNLESS OTHERWISE INDICATED)

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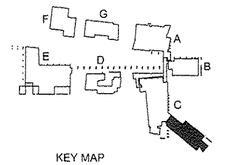
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ISSUE FOR
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CONSTRUCTION



KEY MAP

Seal/Signature



Project Name
Laredo
Community College

Project Number
01278.000

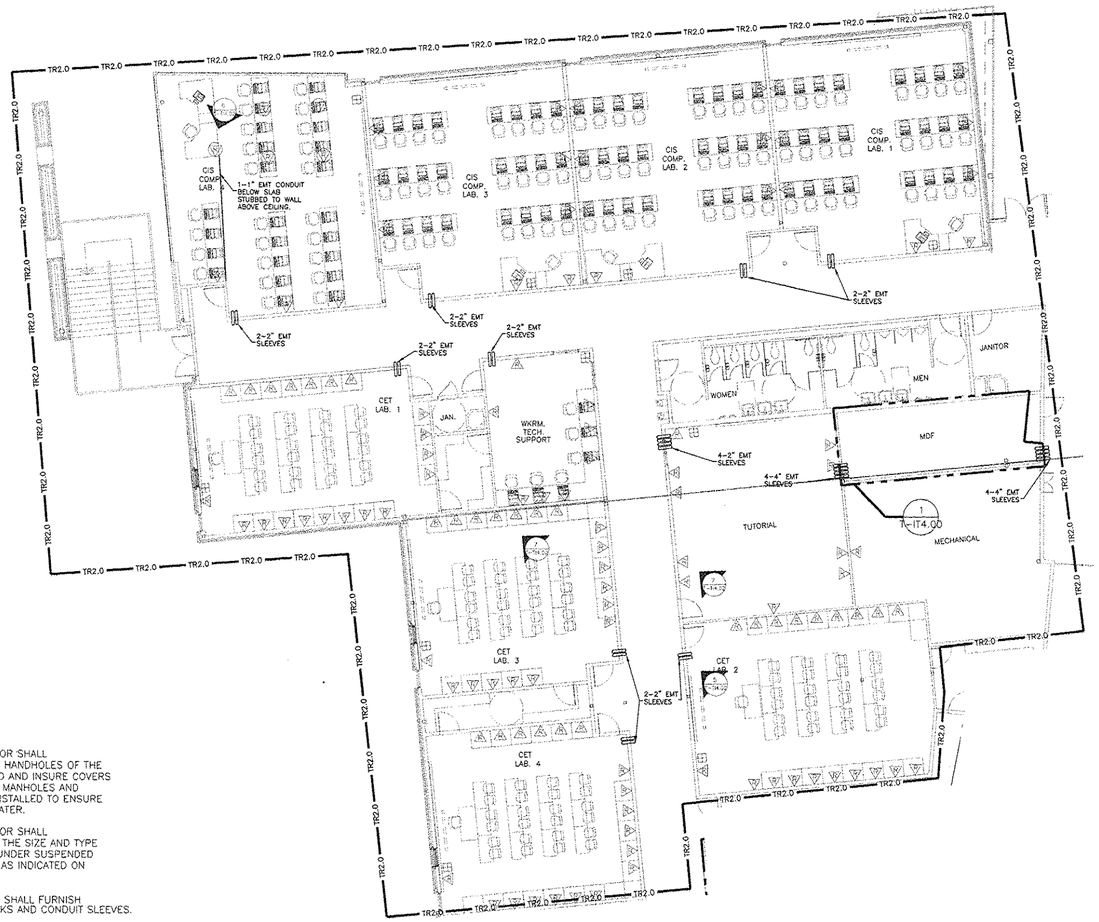
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Building 'C' -Conduit Layout Region TR1.1

Description

Scale

C-IT3.01

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1 C-IT3.02 Conduit Layout Region TR2.0

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

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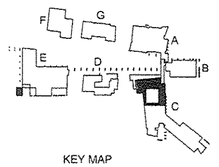
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ISSUE FOR
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CONSTRUCTION



KEY MAP

Seal/Signature



Project Name
Laredo
Community College

Project Number
01278.000

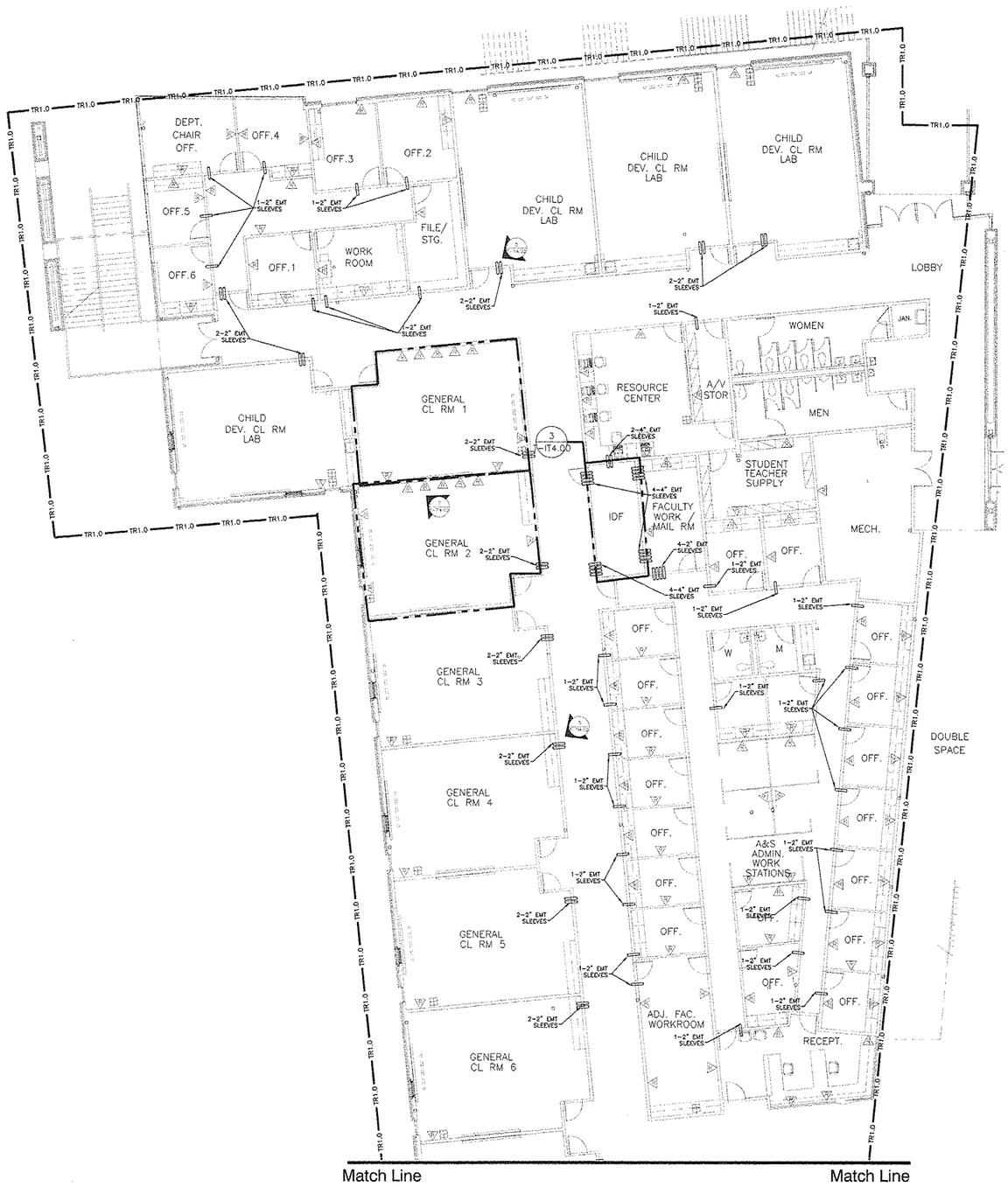
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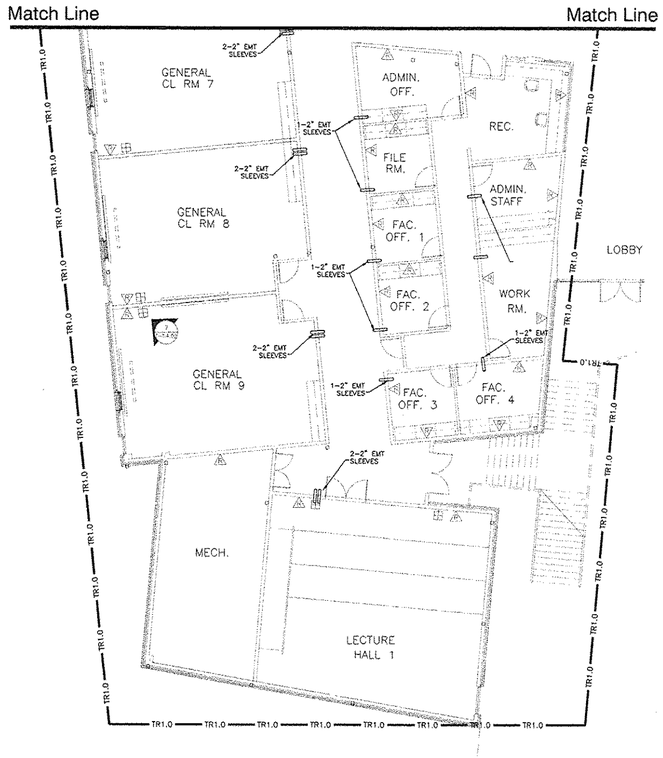
Description

Scale

C-IT3.02

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Conduit Layout Region TR1.0

1 / C-IT3.00 SCALE: 1/8"=1'–0"

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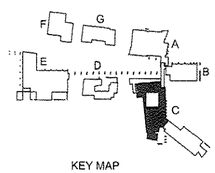
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Issue	Date & Issue Description	By	Check
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ISSUE FOR
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CONSTRUCTION



KEY MAP

Seal/Signature

Project Name
Laredo
Community College

Project Number
01278.000

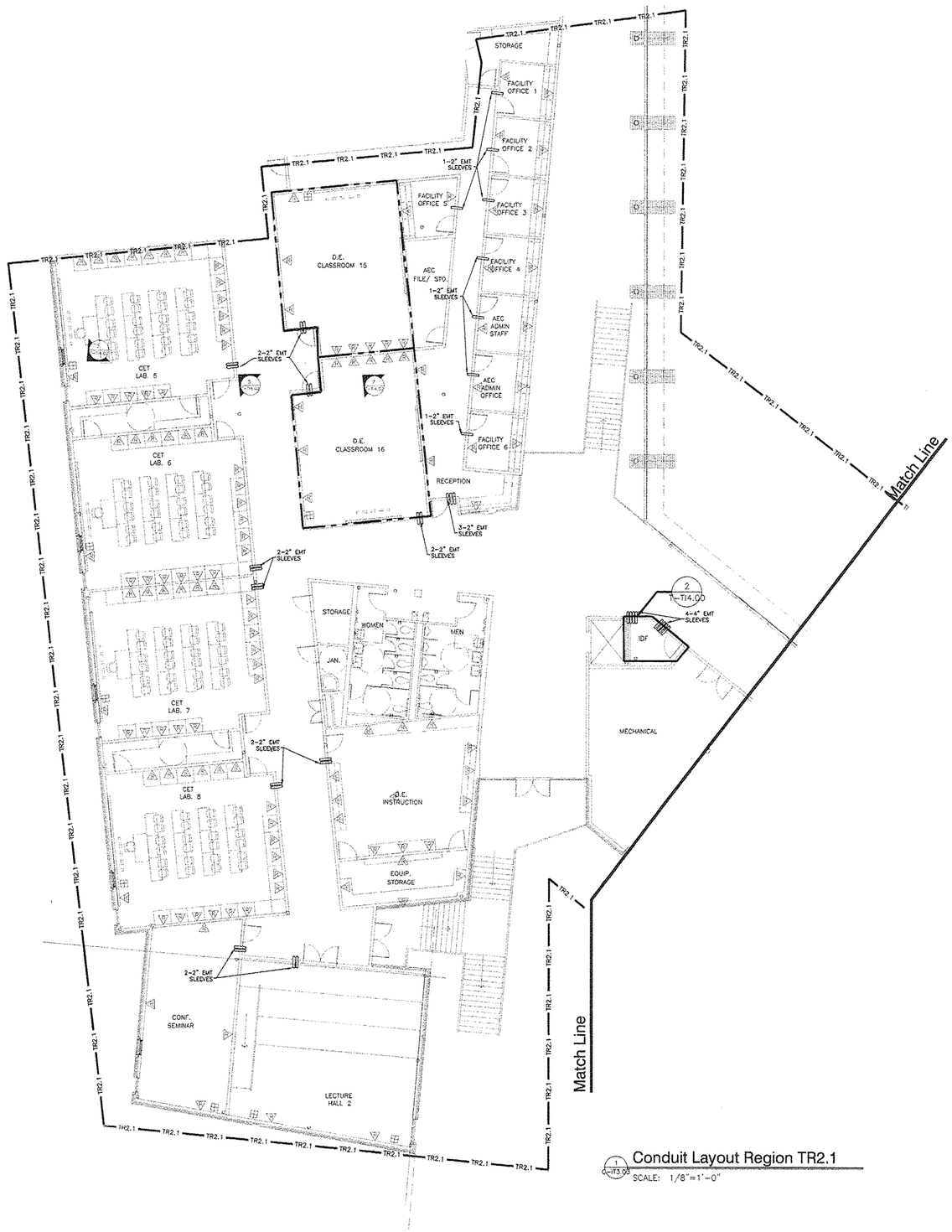
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Building "C" -Conduit Layout Region TR1.0

Description

Scale

C-IT3.00

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1 C-IT3.05 Conduit Layout Region TR2.1

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

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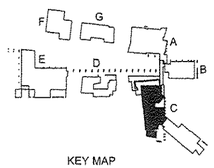
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ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



KEY MAP

Seal/Signature



Project Name
Laredo
Community College

Project Number
01278.000

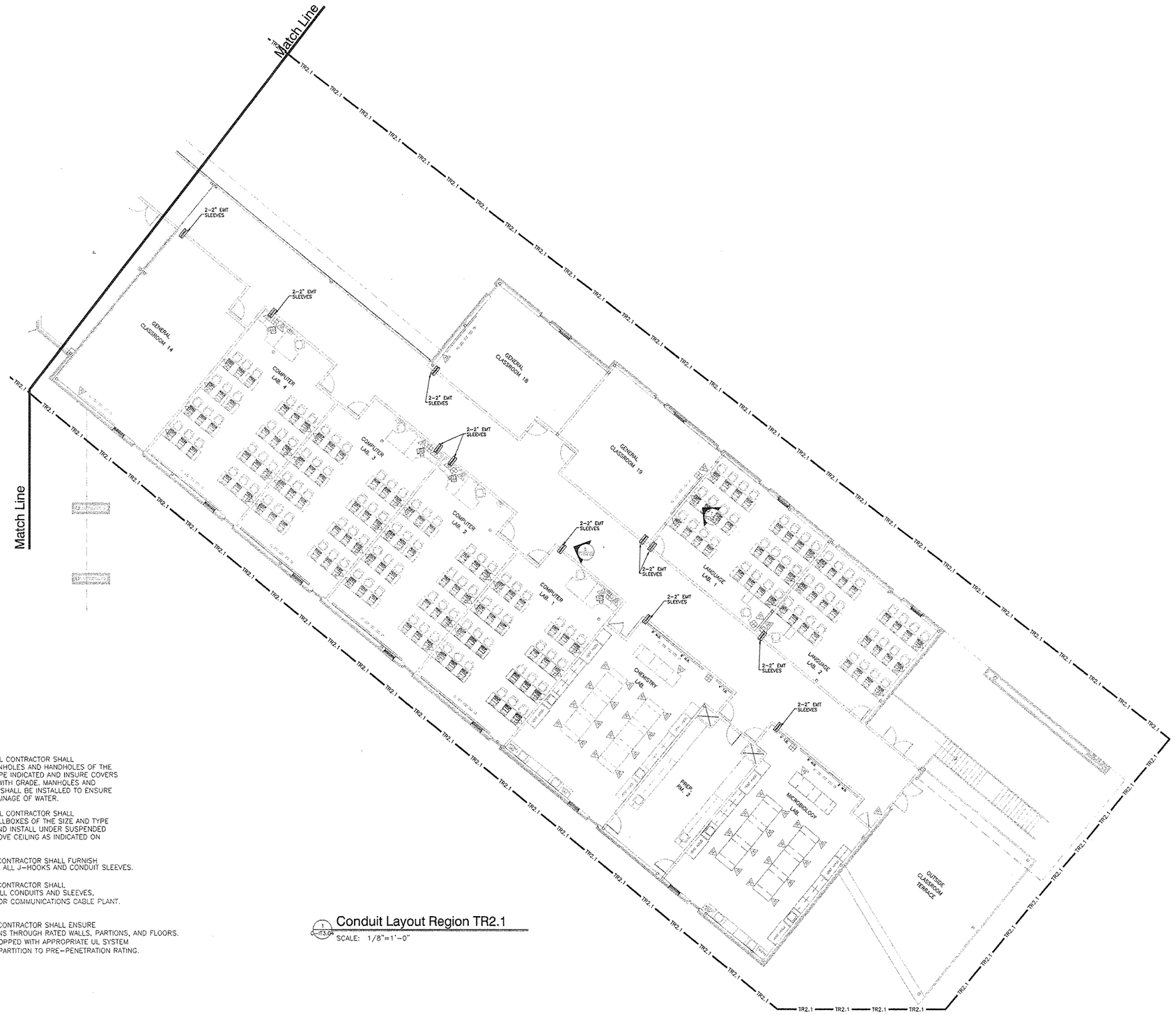
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Building 'C' -Conduit Layout Region TR2.1

Scale

C-IT3.03

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1 C-IT3.04 Conduit Layout Region TR2.1
SCALE: 1/8"=1'-0"

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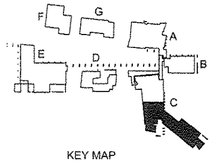
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ISSUE FOR
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CONSTRUCTION



KEY MAP

Seal/Signature



Project Name
Laredo
Community College

Project Number
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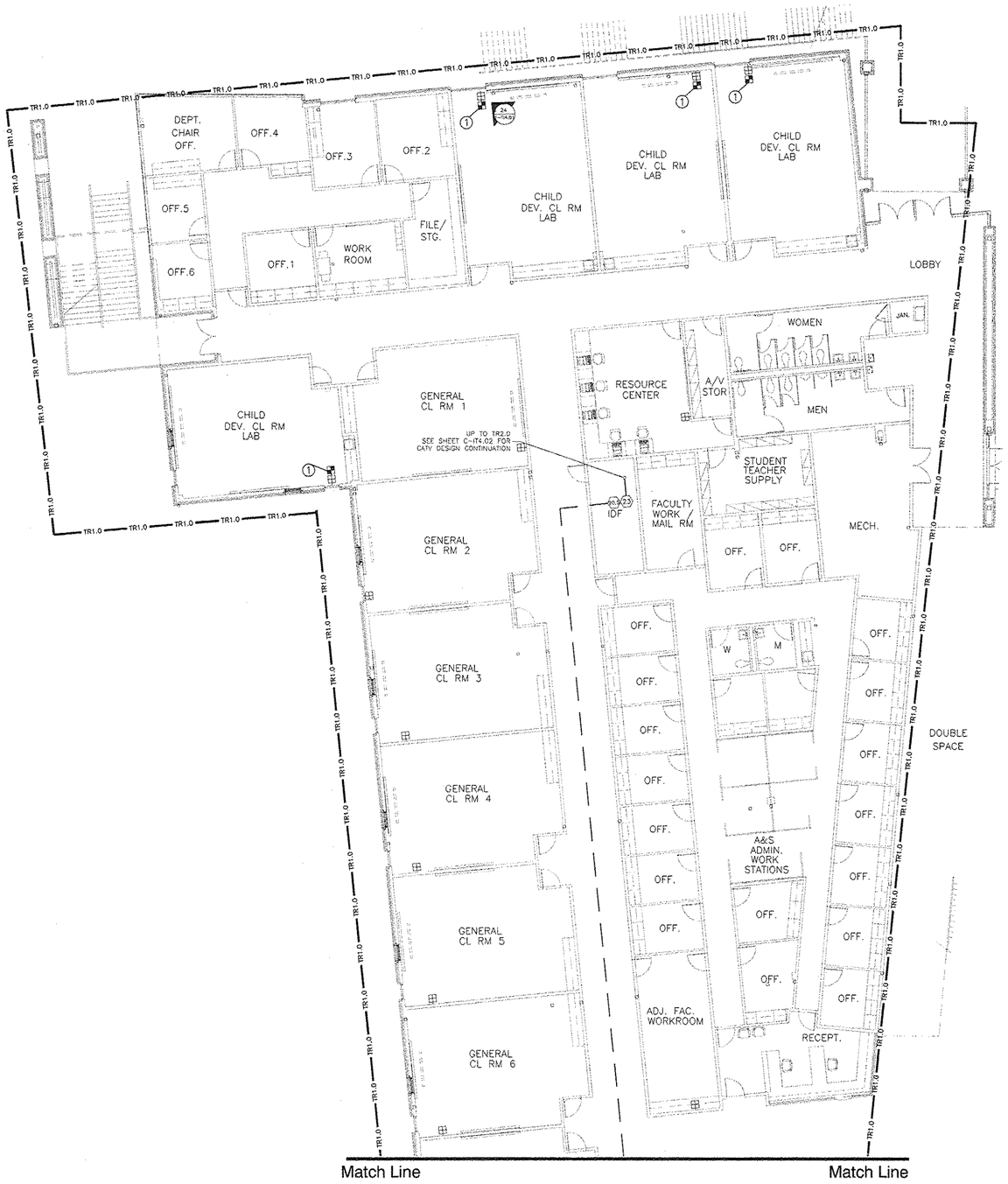
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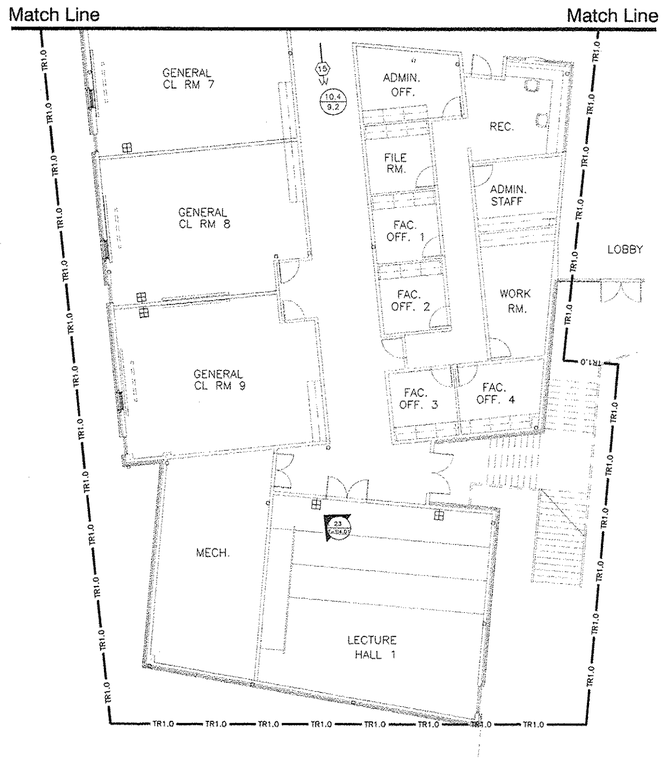
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KEY NOTES:

1. SEE SHEET D-IT2.30 FOR CCTV DESIGN. CCTV (COAX) DROPS SHALL BE HOMERUN TO TR1.1.



1 C-IT4.00 Video Broadband Distribution System - Region TR1.0

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

Laredo Community College
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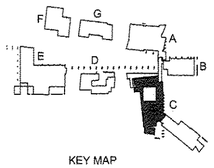
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Issue	Date & Issue Description	By	Check
01	04.11.02 Construction Documents	TAZ	RJS

ISSUE FOR
JUN 18 2002
CONSTRUCTION



KEY MAP

Seal/Signature

STATE OF TEXAS
RICHARD JOHNSON
56229
REGISTERED
PROFESSIONAL ENGINEER
04/11/02

Project Name
Laredo
Community College

Project Number
01278.000

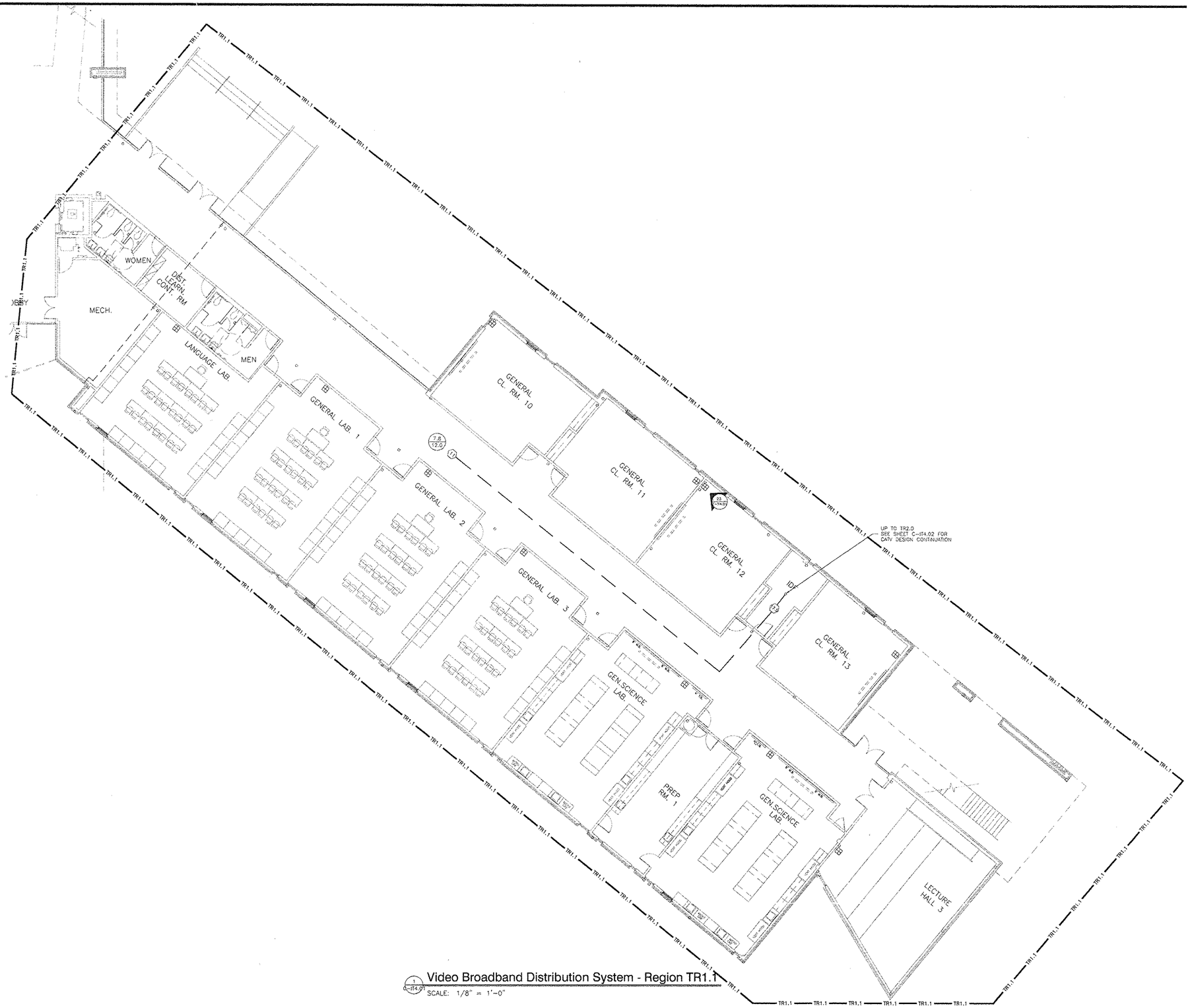
CAD File Name
Building 'C' -Video Broadband Distribution System - Region TR1.1

Description

Scale

C-IT4.00

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C-IT4.01 Video Broadband Distribution System - Region TR1.1

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

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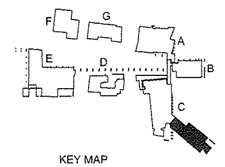
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Issue	Date & Issue Description	By	Check
-- 01	04.11.02 Construction Documents	TAZ	RJS

ISSUE FOR
~~JUN 1 8 2002~~
CONSTRUCTION



KEY MAP

Seal/Signature



Project Name
Laredo
Community College

Project Number
01278.000

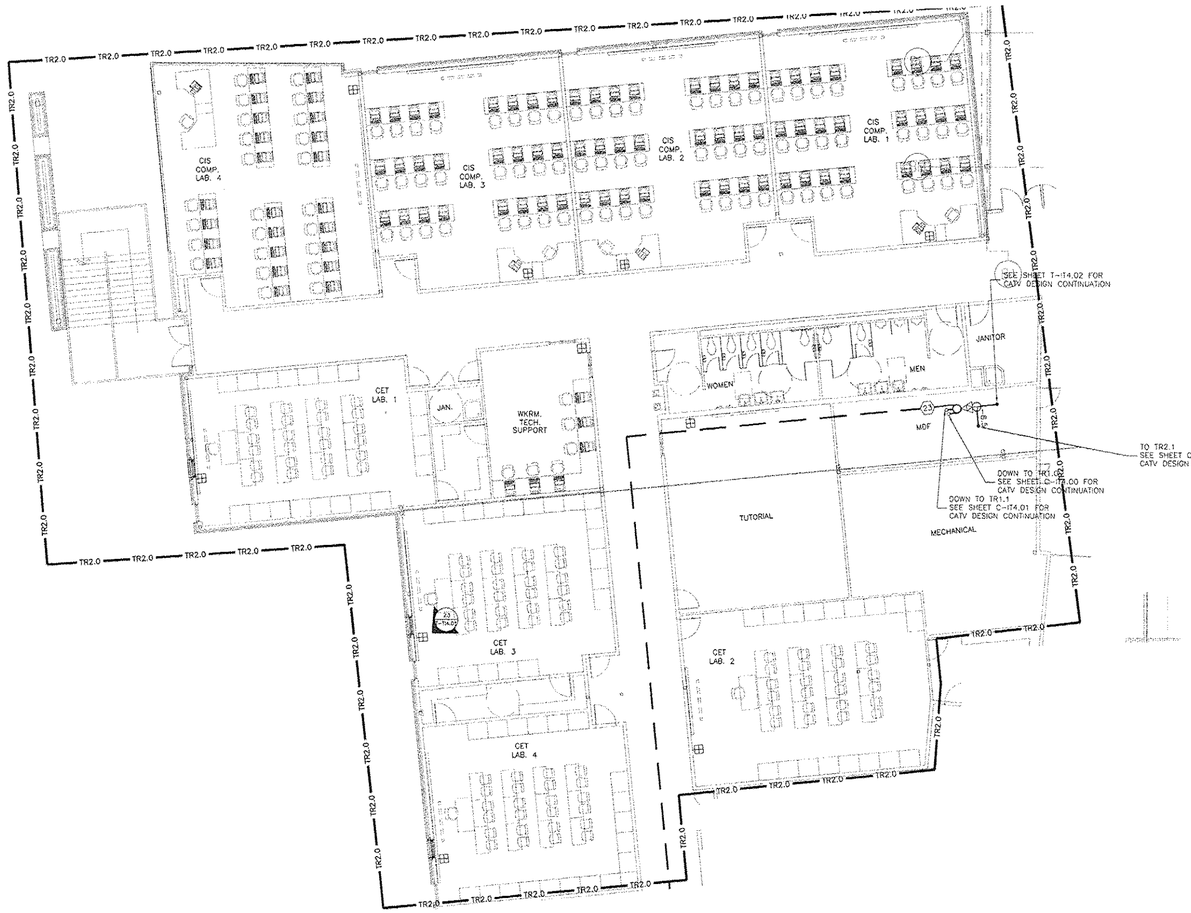
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Building 'C' -Video Broadband Distribution System - Region TR1.1

Description

Scale

C-IT4.01

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1 C-IT4.02 Video Broadband Distribution System - Region TR2.0

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

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Second Campus

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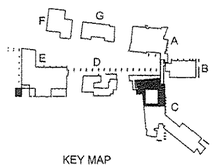
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Issue	Date & Issue Description	By	Check
-- 01	04.11.02 Construction Documents	TAZ	RJS

ISSUE FOR
JUN 18 2002
CONSTRUCTION



KEY MAP

Seal/Signature



Project Name
Laredo
Community College

Project Number
01278.000

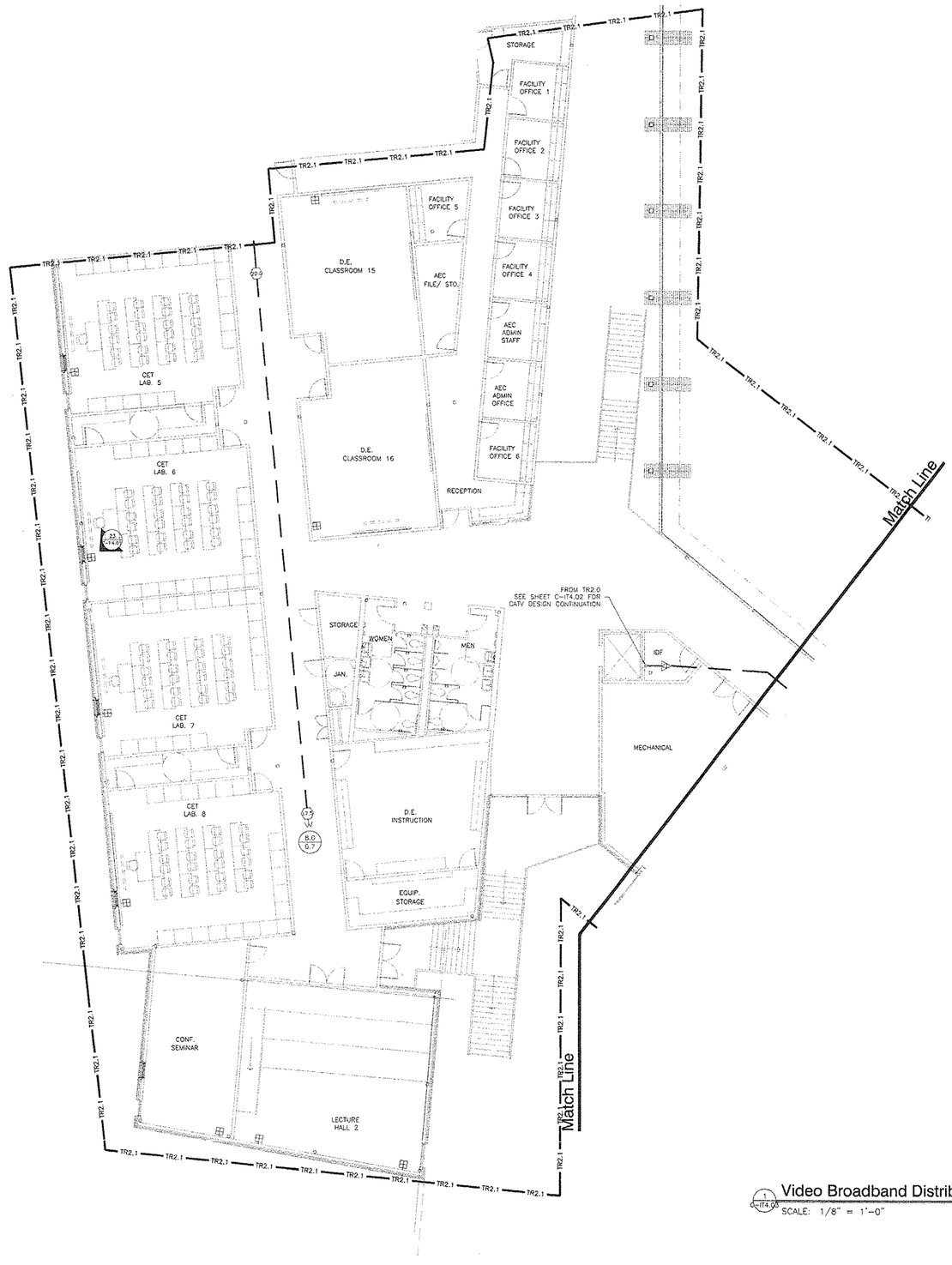
CAD File Name
Building 'C' -Video Broadband Distribution System - Region TR2.0

Description

Scale

C-IT4.02

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1 C-IT4.03 Video Broadband Distribution System - Region TR2.1

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

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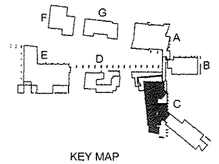
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Issue	Date & Issue Description	By	Check
01	04.11.02	TA2	RJS
	Construction Documents		

ISSUE FOR
JUN 18 2002
CONSTRUCTION



KEY MAP

Seal/Signature



Project Name
Laredo
Community College

Project Number
01278.000

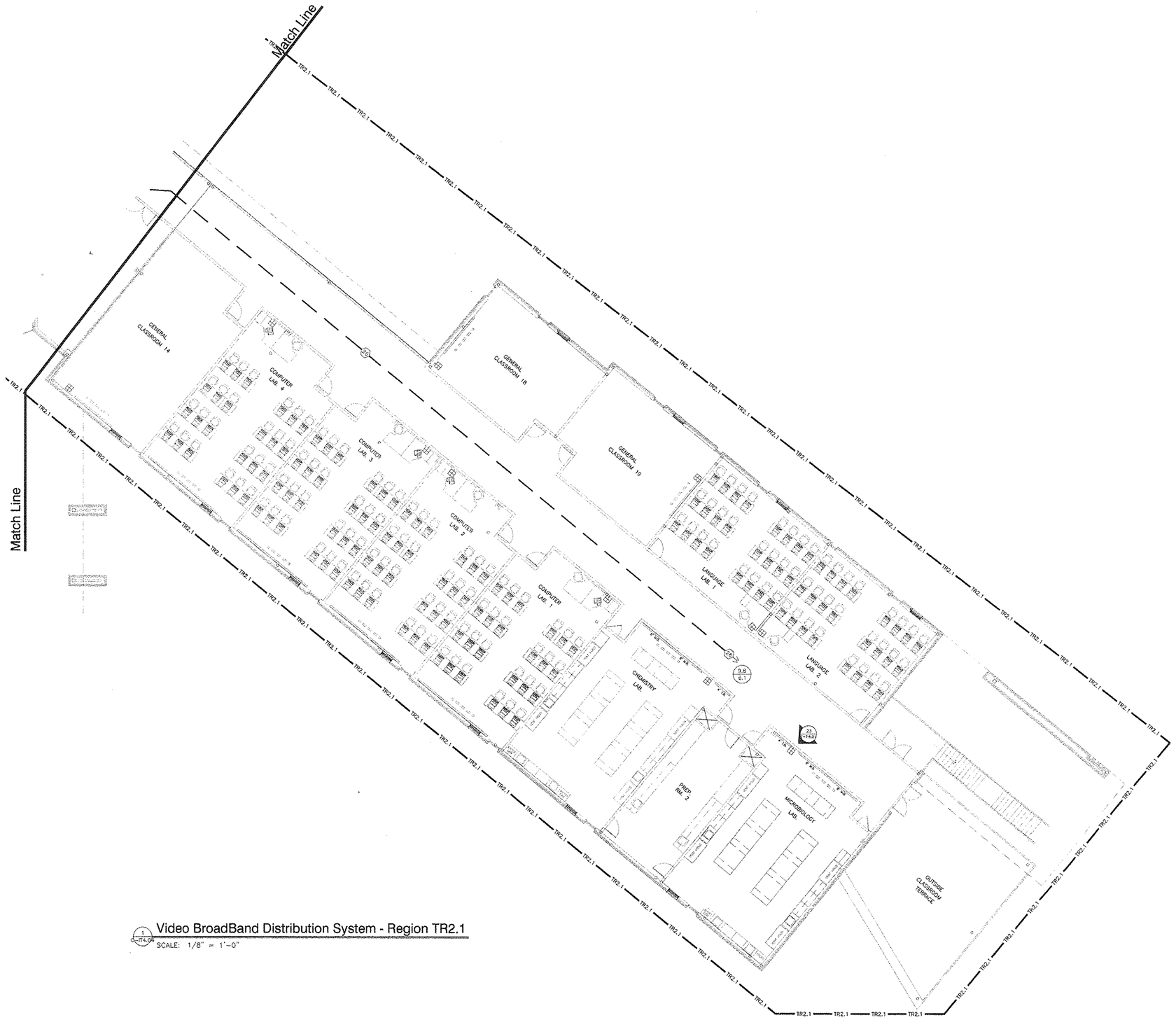
CAD File Name
Building 'C' -Video Broadband Distribution System - Region TR2.1

Description

Scale

C-IT4.03

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1 C-IT4.04 Video BroadBand Distribution System - Region TR2.1

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

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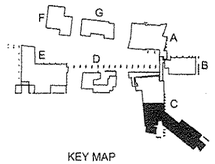
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Issue	Date & Issue Description	By	Check
-- 01	04.11.02 Construction Documents	TAZ	RJS

ISSUE FOR
JUN 1 8 2002
CONSTRUCTION



KEY MAP

Seal/Signature



Project Name
Laredo
Community College

Project Number
01278.000

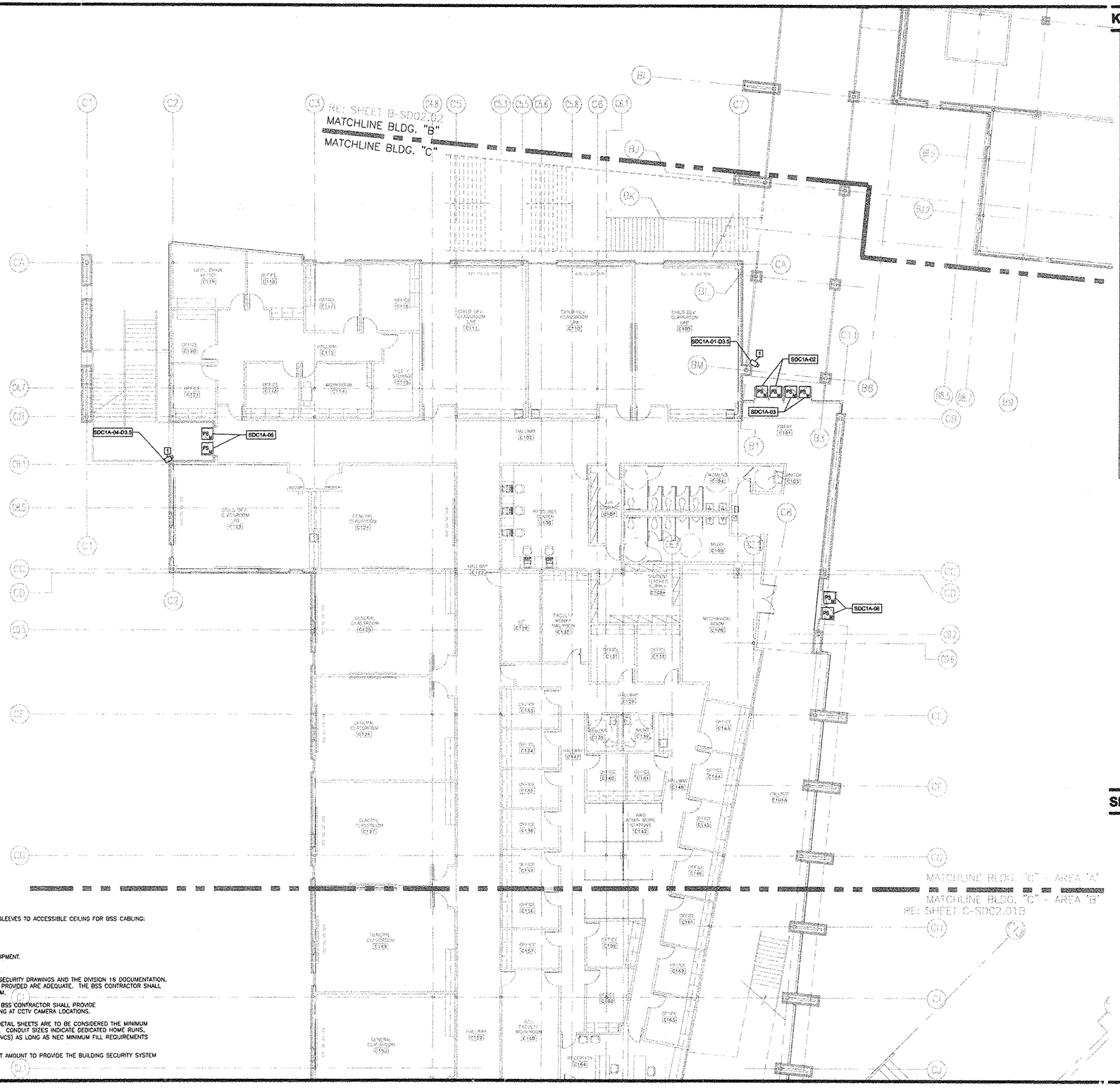
CAD File Name
Building 'C'-Video Broadband Distribution System - Region TR2.1

Description

Scale

C-IT4.04

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KEY NOTES

SECURITY SYMBOLS LEGEND

ACMS AND SVCS

XX_T — SYMBOL — FF-00 — FLOOR — POINT # — LEADER

T = TECHNOLOGY

CR_T — CARD READER: (T) S = INTERIOR WALL, L = ELEVATOR, E = EXTERIOR WALL, P = PEDESTAL, V = VEHICLE; CARD READER WITH KEYPAD: P = PEDESTAL, C = CUSTOM HOUSING — DK_T

AC_T — ACCESS CONTROL DEVICE: (T) K = KEYPAD, O = OPTICAL TURNSTILE, P = PARKING GATE, R = READER FRONT; A = AUTO VEHICLE IDENTIFIER, M = HAND GEOMETRY, V = VOICE RECOGNITION, I = EYE IRIS, E = EYE RETINA

EL_T — ELECTRIC LOCK: (T) S = STRIKE, M = MAGNETIC, H = MAGNETIC LOCK, D = DELAY EXIT DEVICE; V = VERTICAL ROD, O = MAGNETIC HOLD OPEN

PB_T — PUSH-BUTTON DEVICE: (T) M = HOLD OPEN DEVICE RELEASE, R = REQUEST TO EXIT DEVICE — SD_T — BEAM DETECTOR: (T) I = INFRARED, M = MICROWAVE

RE_T — REQUEST TO EXIT DEVICE: (T) I = INTERNAL TO MORTISE LOCK, E = EXTERNAL, T = TOUCH BARSE BAR; D = DELAYED EGRESS, B = EMERGENCY BUTTON, M = MAGNETIC

PS_T — POSITION SENSOR: (T) M = MAGNETIC (FLUSH), I = INTERNAL TO DOOR, S = SURFACE; R= ROLLING DOOR/GRILLE, H = DOOR SENSOR (INTEGRAL TO LOCK), D = DETACHED SENSOR (INTEGRAL TO LOCK)

MS_T — MOTION SENSOR: (T) R = REQUEST TO EXIT, I = INTRUSION

LA_T — LOCAL AUDIO DEVICE: (T) A = LOCAL ALARM, S = SPEAKER, C = CHIME, Z = BUZZER — DB_T — DURESS BUTTON: (T) F = FOOT, P = PULLCHAIN, C = MONEY CLIP, W = WIRELESS, U = UNDERMOUNTED LUNGER COUNTER; M = MEDICAL

GB_T — GLASS BREAK SENSOR: (T) A = AUDIO, C = COMBINATION, V = VIBRATION — IP_T — INTERCOM: (T) S = SPEAKER, V = VOICE COMMUNICATION, T = CCTV CAMERA, A = FIRE ALARM, C = ACCESS CONTROLLER, H = HANDICAP BUTTON

RP_T — REMOTE PANEL: (T) A = ACCESS CONTROL, B = BURGLAR, F = PERIMETER; E = ELEVATOR, F = FIRE

VO_T — SECURITY VOICE COMMUNICATION DEVICE: (T) M = MASTER STATION, I = INTERIOR REMOTE, E = EXTERIOR PEDESTAL REMOTE; C = CALL BOX UNIT, AND REMOTE, S = STATION SPEAKER, R = REMOTE WITH SEPARATE BLUE LIGHT, P = PUBLIC ADDRESS SPEAKER

VC_T — VEHICLE CONTROLLER CONTROL: (T) P = PARKING ARM, B = SLIDING GATE, G = TAG GATE, O = OVERHEAD GRILLE — VP_T — VEHICLE CONTROLLER POSITION: (T) P = PARKING ARM, S = SLIDING GATE, G = TAG GATE, O = OVERHEAD GRILLE

V — VEHICLE LOOP DETECTOR — PARKING ARM

P_T — PARKING CONTROL: (T) A = AUTOMATIC VEHICLE ID, T = TICKET DISPENSER, L = LOT FULL SIGN, W = WIRELESS RECEIVER — PEDESTAL

CCTV

FF-00-ELL — FLOOR — POINT # — ENCLOSURE TYPE — LENS FOCAL LENGTH

ENCLOSURE TYPE (E): D = DOME, E = ELEVATOR DOME

FIXED CCTV CAMERA WITH VARI-FOCAL LENS — PTZ CCTV CAMERA

SHEET NOTES

1. FUTURE CAMERA. DIVISION 16 TO PROVIDE A POWER CIRCUIT TO A JUNCTION BOX ON THE INTERIOR SIDE NEAREST TO THE FUTURE CAMERA. DIVISION 16 TO PROVIDE (2) 1 INCH CONDUITS WITH PULLSTRINGS FROM THE INTERIOR SPACE TO THE EXTERIOR SIDE INTO A NEMA WEATHERPROOF JUNCTION BOX. DIVISION 16 TO PROVIDE JUNCTION BOX AND TO COORDINATE EXACT LOCATION WITH OWNER.

GENERAL NOTES:

A. THE DIVISION 16 SUBCONTRACTOR SHALL PROVIDE THE FOLLOWING CONDUIT AND SLEEVES TO ACCESSIBLE CEILING FOR BSS CABLING:

1. GARAGE AND BUILDING EXTERIORS.
2. INACCESSIBLE CEILINGS, ENCASED LOCATIONS AND RISERS.
3. UNDERFLOOR AND UNDERGROUND RUNS.
4. BUILDING WALL FROM DEVICE TO ABOVE CEILING.
5. ANY RUNS WITHIN ELECTRICAL, MECHANICAL, AND ROOMS WITH SECURITY EQUIPMENT.
6. CONDUIT SHOWN ON SECURITY DRAWINGS AND DETAIL SHEETS.
7. CONDUIT SHOWN ON DIVISION 16 DOCUMENTS.

B. THE BSS CONTRACTOR SHALL REVIEW THE CONDUIT PROVISIONS SHOWN ON THE SECURITY DRAWINGS AND THE DIVISION 16 DOCUMENTATION. PROVIDE CONFIRMATION WITHIN THE BID FORM THAT THE ABOVE PROVISIONS AS PROVIDED ARE ADEQUATE. THE BSS CONTRACTOR SHALL PROVIDE ANY ADDITIONAL REQUIRED CONDUIT FOR A COMPLETE TURNKEY SYSTEM.

C. ALL CABLE WITHIN THE BUILDING PLENUM AREAS SHALL BE PLENUM RATED. THE BSS CONTRACTOR SHALL PROVIDE CONDUIT AND FINAL TERMINATION FROM WALL JUNCTION BOX TO CAMERA HOUSING AT CCTV CAMERA LOCATIONS.

D. CONDUIT SIZES INDICATED ON THE DRAWINGS AND HOME RUN SIZES SHOWN ON DETAIL SHEETS ARE TO BE CONSIDERED THE MINIMUM SIZE TO BE INSTALLED. PROVIDE LARGER OR ADDITIONAL CONDUIT IF REQUIRED. CONDUIT SIZES INDICATE DEDICATED HOME RUNS, BUT MAY BE COMBINED WITH OTHER LOCATIONS BY SYSTEM TYPE (CCTV, ACMS, VCS) AS LONG AS NEC MINIMUM FILL REQUIREMENTS ARE MAINTAINED.

E. THE BSS SUBCONTRACTOR SHALL IDENTIFY IN THE BID FORM THE TOTAL CONTRACT AMOUNT TO PROVIDE THE BUILDING SECURITY SYSTEM AS REQUIRED BY THE BUILDING SECURITY SYSTEM CONTRACT DOCUMENTS.

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△	Issue	Date & Issue Description	By	Check
	04	03.15.02	RG	
		90% C.D. FOR REVIEW		
	05	04.11.02	AV	
		CONSTRUCTION DRAWING		
2 △	06	05.06.02	AV	
		ADDENDUM NO. 2		

ISSUE FOR
JUN 6 2002
CONSTRUCTION

KEY MAP

Seal/Signature

STATE OF TEXAS — JOHN H. HATCHER — 61508 — REGISTERED PROFESSIONAL ENGINEER
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JOHN H. HATCHER, P.E. 61508 ON APRIL 5, 2002

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name
LCC-1

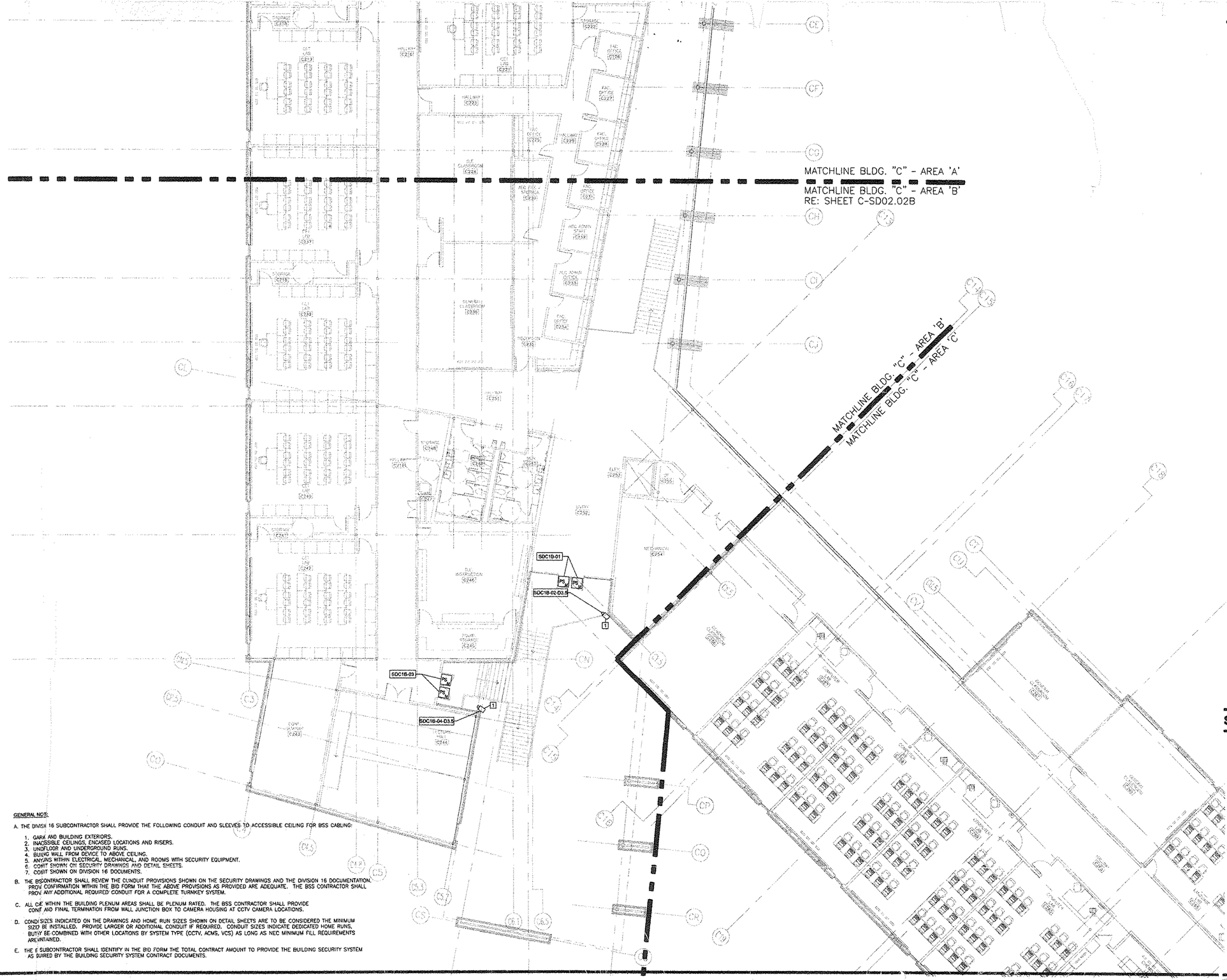
Description
BUILDING C – AREA A FIRST LEVEL SECURITY PLAN

Scale
1/8" = 1'-0"

True North
Ref. North

C-SD02.01

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KEY NOTES

SECURITY SYMBOLS LEGEND

ACMS AND SVCS

XX — SYMBOL — FF-00 — POINT # / FLOOR

LEADER

T = TECHNOLOGY

CR — CARD READER — (T) D = INTERIOR WALL, E = ELEVATOR, X = EXTERIOR WALL, M = MULLION, V = VEHICLE

CK — CARD READER WITH KEYPAD — P = PEDESTAL, O = CUSTOM HOUSING

AC — ACCESS CONTROL DEVICE — (T) K = KEYPAD, O = OPTICAL TURNSTILE, G = HANDICAP GATE, F = FINGER PRINT; A = AUTO VEHICLE IDENTIFIER, H = HAND GEOMETRY, V = VOICE RECOGNITION, I = EYE IRIS, R = EYE RETINA

EL — ELECTRIC LOCK — (T) S = STRIKE, M = MAGNETIC, L = MORTISE LOCK, D = DELAY EXIT DEVICE; V = VERTICAL ROD, O = MAGNETIC HOLD OPEN

PB — PUSH BUTTON DEVICE — (T) H = HOLD OPEN DEVICE RELEASE, R = REQUEST TO EXIT DEVICE

BD — BEAM DETECTOR — (T) I = INFRARED, M = MICROWAVE

RE — REQUEST TO EXIT DEVICE — (T) L = INTEGRAL TO MORTISE LOCK, E = ELECTRONIC, T = TOUCH BORDE BAR; D = DELAYED EGRESS, E = EMERGENCY BUTTON, M = MAGNETIC

PS — POSITION SENSOR — (T) M = MAGNETIC (FLUSH), L = INTEGRAL TO LOCK, S = SURFACE; R = ROLLING DOOR GRILLE, B = DOOR BOARD SENSOR (INTEGRAL TO LOCK), D = DETACHED SENSOR (INTEGRAL TO LOCK)

MS — MOTION SENSOR — (T) R = REQUEST TO EXIT, I = INTRUSION

LA — LOCAL AUDIO DEVICE — (T) A = LOCAL ALARM, S = SPEAKER, C = CHIME, Z = BUZZER

DB — DURESS BUTTON — (T) F = FOOT, H = HAND PULLCHAIN, C = MONEY CLIP, W = WIRELESS, D = HARDWIRED UNDER COUNTER; M = MEDICAL

GB — GLASS BREAK SENSOR — (T) A = AUDIO, C = COMBINATION, V = VIBRATION

IP — INTERFACE PANEL — (T) C = CARDREADER, I = INTERCOM COMMUNICATION, V = VIDEO CAMERA, P = PIR CAMERA, F = FIRE ALARM, O = OUTPUT CONTROLLER, H = HARDWAY BUTTON

RP — REMOTE PANEL — (T) A = ACCESS CONTROL, B = BURGLAR, P = PERIMETER; E = ELEVATOR, F = FIRE

VD — SECURITY VOICE COMMUNICATION DEVICE — (T) M = MASTER STATION, W = EXTERIOR REMOTE, R = REMOTE WITH SEPARATE BLUE LIGHT, P = EXTERIOR POLE, J = REMOTE; O = CALL BOX UNIT, AND REMOTE, L = ELEVATOR REMOTE, B = REMOTE WITH SEPARATE BLUE LIGHT, S = AUDIO SPEAKER

VC — VEHICLE CONTROLLER CONTROL — (T) P = PARKING ARM, S = SLIDING GATE, R = RAM GATE, O = OVERHEAD DRILLE

VP — VEHICLE CONTROLLER POSITION — (T) P = SLIDING ARM, S = SLIDING GATE, R = RAM GATE, O = OVERHEAD DRILLE

VEHICLE LOOP DETECTOR

PARKING ARM

P — PARKING CONTROL — (T) A = AUTOMATIC VEHICLE ID, T = TICKET DISPENSER, L = LOOP DETECTOR, W = WIRELESS RECEIVER

PEDESTAL

CCTV

ENCLOSURE TYPE (E): D = DOME, E = ELEVATOR DOME

FF-00-ELL — FLOOR — ENCLOSURE TYPE — LENS FOCAL LENGTH — POINT #

FIXED CCTV CAMERA WITH VARIFOCAL LENS

PTZ CCTV CAMERA

SHEET NOTES

1. FUTURE CAMERA. DIVISION 16 TO PROVIDE A POWER CIRCUIT TO A JUNCTION BOX ON THE INTERIOR SIDE NEAREST TO THE FUTURE CAMERA. DIVISION 16 TO PROVIDE (2) 1 INCH CONDUITS WITH PULLSTRINGS FROM THE INTERIOR SPACE TO THE EXTERIOR SIDE INTO A NEMA WEATHERPROOF JUNCTION BOX. DIVISION 16 TO PROVIDE JUNCTION BOX AND TO COORDINATE EXACT LOCATION WITH OWNER.

GENERAL NOTE:

A. THE DIVISION 16 SUBCONTRACTOR SHALL PROVIDE THE FOLLOWING CONDUIT AND SLEEVES TO ACCESSIBLE CEILING FOR BSS CABLING:

1. GARAGE AND BUILDING EXTERIORS.
2. INACCESSIBLE CEILINGS, ENCASED LOCATIONS AND RISERS.
3. UNDERFLOOR AND UNDERGROUND RUNS.
4. BUILDING WALL FROM DEVICE TO ABOVE CEILING.
5. ANY CANS WITHIN ELECTRICAL, MECHANICAL, AND ROOMS WITH SECURITY EQUIPMENT.
6. CONDUIT SHOWN ON SECURITY DRAWINGS AND DETAIL SHEETS.
7. CONDUIT SHOWN ON DIVISION 16 DOCUMENTS.

B. THE BSS CONTRACTOR SHALL REVIEW THE CONDUIT PROVISIONS SHOWN ON THE SECURITY DRAWINGS AND THE DIVISION 16 DOCUMENTATION. PROVIDE CONFIRMATION WITHIN THE BID FORM THAT THE ABOVE PROVISIONS AS PROVIDED ARE ADEQUATE. THE BSS CONTRACTOR SHALL PROVIDE ANY ADDITIONAL REQUIRED CONDUIT FOR A COMPLETE TURNKEY SYSTEM.

C. ALL CABLE WITHIN THE BUILDING PLENUM AREAS SHALL BE PLENUM RATED. THE BSS CONTRACTOR SHALL PROVIDE CONFIGURATION AND FINAL TERMINATION FROM WALL JUNCTION BOX TO CAMERA HOUSING AT CCTV CAMERA LOCATIONS.

D. CONDUIT SIZES INDICATED ON THE DRAWINGS AND HOME RUN SIZES SHOWN ON DETAIL SHEETS ARE TO BE CONSIDERED THE MINIMUM SIZED TO BE INSTALLED. PROVIDE LARGER OR ADDITIONAL CONDUIT IF REQUIRED. CONDUIT SIZES INDICATE DEDICATED HOME RUNS, BUT MAY BE COMBINED WITH OTHER LOCATIONS BY SYSTEM TYPE (CCTV, ACMS, VCS) AS LONG AS NEC MINIMUM FILL REQUIREMENTS ARE MAINTAINED.

E. THE BSS CONTRACTOR SHALL IDENTIFY IN THE BID FORM THE TOTAL CONTRACT AMOUNT TO PROVIDE THE BUILDING SECURITY SYSTEM AS REQUIRED BY THE BUILDING SECURITY SYSTEM CONTRACT DOCUMENTS.

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Second Campus

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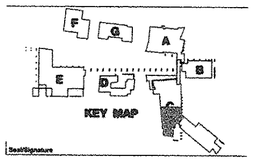
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	Issue	Date & Issue Description	By	Check
	04	03.15.02	RG	
		90% C.D. FOR REVIEW		
	05	04.11.02	AV	
		CONSTRUCTION DOCUMENTS		
2	06	05.06.02	AV	
		ADDENDUM NO. 2		

ISSUE
JUN
CON



Seal/Signature

STATE OF TEXAS — JOHN H. HATCHER — 81508 — PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JOHN H. HATCHER, P.E. 81508 ON APRIL 5, 2002.

Project Name
Laredo Community College
Second Campus

Project Number
02.1110.000

CAD File Name
LCC-1

Description
BUILDING C - AREA B
FIRST LEVEL SECURITY PLAN

Scale
1/8" = 1'-0"

True North

Ref. North

C-SD02.02

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