



RENDERING FOR ARTISTIC REPRESENTATION ONLY

TAMU MOSES & DAVIS-GARY DORMITORY RESTROOM RENOVATION ISSUE FOR BID AND OWNER REVIEW

12/21/2017

PROJECT TEAM

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PROJECT NAME

TAMU MOSES & DAVIS-GARY
DORMITORY RESTROOM
RENOVATION

PROJECT ADDRESS

COLLEGE STATION, TEXAS
77843

KIRKSEY PROJECT NO.

2017228

NOT FOR REGULATORY APPROVAL,
PERMITTING, OR CONSTRUCTION
DAVID L. MCLEMORE 12/21/2017

MATERIAL INDICATIONS

SECTION	ELEVATION
	CONCRETE
	PRECAST CONCRETE
	CMU
	BRICK
	CAST/CUT STONE
	NATURAL STONE
	FINISHED WOOD
	METAL LATH & PLASTER
	CERAMIC/QUARRY TILE
	GLASS/MIRROR
	STEEL
	ALUMINUM
	BRASS/BRONZE
	GRADE/EARTH
	GRAVEL
	SAND
	CONT. WOOD BLOCKING
	DISCONT. WOOD SHIM
	PLYWOOD

	SPRAYED FIREPROOFING
	BATTBLANKET INSUL.
	RIGID INSUL.
	GYPSUM SHEATHING
	GYPSUM WALLBOARD
	BACKER ROD & SEALANT
	JOINT FILLER
	ACOUS. CEILING

FINISH PLAN SYMBOLS

	ROOM NAME
	WALL FINISH NOTE
	FLOOR FINISH NOTE
	BASE FINISH NOTE
	FINISH TRANSITION
	FINISH NOTE
	WALL FINISH NOTE
	FLOOR FINISH NOTE
	BASE FINISH NOTE
	FLOOR FINISH START POINT

DEMO PLAN SYMBOLS

	EXISTING DOOR, PARTITION AND/OR ELEMENT TO REMAIN-PROTECTED AGAINST DAMAGE DURING DEMOLITION
	EXISTING DOOR, PARTITION AND/OR ELEMENT TO BE REMOVED / RELOCATED

LIFESAFETY PLAN SYMBOLS

	OCCUPANCY LOAD (ACTUAL)	OCCUPANCY LOAD (DOOR)	
	OCCUPANCY LOAD (CAPACITY)		
	OCCUPANCY LOAD (ACTUAL)	OCCUPANCY LOAD (STAIR)	
	OCCUPANCY LOAD (CAPACITY)		
	EGRESS PATH		
	1 HOUR FIRE RATED PARTITION		0 HOUR SMOKE PARTITION
	2 HOUR FIRE RATED PARTITION		1 HOUR SMOKE PARTITION
	3 HOUR FIRE RATED PARTITION		2 HOUR SMOKE PARTITION
	FIRE EXTINGUISHER CABINET		EMERGENCY SHOWER + EYE WASH
	FIRE EXTINGUISHER		EYE WASH
	FIRST AID CABINET		EAR PROTECTION
	AUTOMATED EXTERNAL DEFIBRILLATOR (AED) CABINET		EYE WEAR
	KNOX BOX		FALL PROTECTION
	FIRE BLANKET		MUSTER STATION
	EMERGENCY SHOWER		SMOKING AREA
	EMERGENCY RESPIRATOR		

POWER PLAN SYMBOLS

WALL MOUNTED DEVICES	
	WALL MOUNTED - SINGLE RECEPTACLE
	WALL MOUNTED - DUPLEX RECEPTACLE
	WALL MOUNTED - DUPLEX RECEPTACLE WITH USB PORT
	WALL MOUNTED - QUADRUPLEX RECEPTACLE
	WALL MOUNTED - 220 VOLT RECEPTACLE
	WALL MOUNTED - SPECIAL REQUIREMENT RECEPTACLE
	WALL MOUNTED - DATA RECEPTACLE
	WALL MOUNTED - VOICE RECEPTACLE
	WALL MOUNTED - DATA/VOICE RECEPTACLE
	WALL MOUNTED - POWER FURNITURE FEED
	WALL MOUNTED - DATA/VOICE FURNITURE FEED
	WALL MOUNTED - JUNCTION BOX
	WALL MOUNTED - SPECIALTY DEVICE & JUNCTION BOX
	WALL MOUNTED - THERMOSTAT
	WALL MOUNTED - CARD READER
	WALL MOUNTED - BIOMETRIC READER
	WALL MOUNTED - INTERROOM
	WALL MOUNTED - LIGHT SWITCH

FLOOR MOUNTED DEVICES	
	FLOOR MOUNTED - SINGLE RECEPTACLE
	FLOOR MOUNTED - DUPLEX RECEPTACLE
	FLOOR MOUNTED - QUADRUPLEX RECEPTACLE
	FLOOR MOUNTED - 220 RECEPTACLE
	FLOOR MOUNTED - SPECIAL REQUIREMENT RECEPTACLE
	FLOOR MOUNTED - DATA RECEPTACLE
	FLOOR MOUNTED - VOICE RECEPTACLE
	FLOOR MOUNTED - DATA/VOICE RECEPTACLE
	FLOOR MOUNTED - COMBINATION DUPLEX & DATA/VOICE RECEPTACLE
	FLOOR MOUNTED - COMBINATION QUADRUPLEX & DATA/VOICE RECEPTACLE
	FLOOR MOUNTED - COMBINATION DUPLEX, DATA/VOICE, & AV RECEPTACLE
	FLOOR MOUNTED - COMBINATION QUADRUPLEX, DATA/VOICE, & AV RECEPTACLE
	FLOOR MOUNTED - POWER STUB-UP
	FLOOR MOUNTED - DATA/VOICE STUB-UP
	FLOOR MOUNTED - AV STUB-UP
	FLOOR MOUNTED - COMBINATION POWER & DATA/VOICE STUB-UP
	FLOOR MOUNTED - COMBINATION POWER, DATA/VOICE, & AV STUB-UP
	FLOOR MOUNTED - POWER FURNITURE FEED
	FLOOR MOUNTED - DATA/VOICE FURNITURE FEED
	FLOOR MOUNTED - AV FURNITURE FEED
	FLOOR MOUNTED - COMBINATION POWER & DATA/VOICE FURNITURE FEED
	FLOOR MOUNTED - COMBINATION POWER, DATA/VOICE, & AV FURNITURE FEED
	CEILING MOUNTED - POWER POLE

TABLETOP DEVICES	
	TABLETOP - SINGLE RECEPTACLE
	TABLETOP - DUPLEX RECEPTACLE
	TABLETOP - QUADRUPLEX RECEPTACLE
	TABLETOP - SPECIAL REQUIREMENT RECEPTACLE
	TABLETOP - DATA RECEPTACLE
	TABLETOP - VOICE RECEPTACLE
	TABLETOP - DATA/VOICE RECEPTACLE
	TABLETOP - COMBINATION DUPLEX & DATA/VOICE RECEPTACLE
	TABLETOP - COMBINATION QUADRUPLEX & DATA/VOICE RECEPTACLE
	TABLETOP - COMBINATION DUPLEX, DATA/VOICE, & AV RECEPTACLE
	TABLETOP - COMBINATION QUADRUPLEX, DATA/VOICE, & AV RECEPTACLE

SECURITY SYMBOLS	
	SECURITY CAMERA - WALL MOUNTED - FIXED
	SECURITY CAMERA - WALL MOUNTED - PAN
	SECURITY CAMERA - CEILING MOUNTED - FIXED
	SECURITY CAMERA - CEILING MOUNTED - PAN
	PANIC HARDWARE
	MOTION DETECTOR
	FAIL-SAFE MAGNETIC LOCK
	ELECTRIC STRIKE
	ELECTRIC MORTISE LOCK
	DOOR CONTACT
	CARD READER
	BIOMETRIC READER
	EMERGENCY CALL BUTTON
	REQUEST TO EXIT BUTTON

CEILING PLAN SYMBOLS

	ROOM SYMBOL - CEILING PLAN
	ROOM SYMBOL - CEILING PLAN
	CEILING HEIGHT - ABOVE FINISH FLOOR (AFF)
	SUSPENDED ACOUSTICAL CEILING GRID
	SUSPENDED GYPSUM CEILING
	STRETCHED FABRIC CEILING SYSTEM
	EXIT SIGN - CEILING MOUNTED (ARROWS INDICATES DIRECTION OF EGRESS)
	EXIT SIGN - WALL MOUNTED (ARROWS INDICATES DIRECTION OF EGRESS)
	CEILING GRID START POINT
	SPEAKER
	CEILING FINISH TYPE
	CEILING TRANSITION

LIGHTING SYMBOLS

LIGHTING SYMBOLS ARE GENERIC REPRESENTATIONS	
	A TROFFER
	C COVE
	D DOWNLIGHT
	F FLOOR
	G GARAGE
	H SCNCE
	M MECH / ELEC / UTILITY STRIP
	P PENDANT
	SA SITE - POLE
	SB SITE - MISC (ARCHITECTURAL / BUILDING)
	U UNDER CABINET / UPPER CABINET
	V VERTICAL
	W WALL WASHER
	X EXIT LIGHTING
	Z MISC / OTHER

FLOOR PLAN SYMBOLS

	EXISTING DOOR, PARTITION AND/OR ELEMENT TO REMAIN-PROTECTED AGAINST DAMAGE DURING CONSTRUCTION
	NEW DOOR, PARTITION AND/OR ELEMENT DOOR NUMBER (RE: FLOOR SCHEDULE FOR TYPE AND HARDWARE INFORMATION.)
	NORTH ARROW
	BUILDING ELEVATION / INTERIOR ELEVATION
	DETAIL NUMBER - TYP
	BUILDING SECTION
	SHEET NUMBER - TYP
	WALL SECTION
	SECTION DETAIL
	ENLARGED PLAN / DETAIL
	ROOM IDENTIFICATION
	PARTITION TYPE (RE: PARTITION SCHEDULE FOR DESCRIPTION)
	NR - NOT RATED 1F - 1 HOUR FIRE RATED 2F - 2 HOUR FIRE RATED 3F - 3 HOUR FIRE RATED 0S - 0 HOUR SMOKE PARTITION 1S - 1 HOUR SMOKE PARTITION 2S - 2 HOUR SMOKE PARTITION 3S - 3 HOUR SMOKE PARTITION
	ALIGN
	MASTER SCHEDULE NOTE: REFER TO SHEET A0.70. BRK - TYPE 1 TA-1.1 GL-1 GLASS - TYPE 1
	CURTAINWALL TYPE
	WINDOW TYPE
	LOUVER TYPE
	CASEWORK / COUNTERTOP TYPE (S) SINGLE DOOR (D) DOUBLE DOOR
	MILLWORK / CASEWORK NOTE
	SHEET NOTE P.# FLOOR PLAN NOTE R.# REFLECTED CEILING PLAN NOTE PW.# POWER PLAN NOTE F.# FINISH PLAN NOTE D.# DEMO PLAN NOTE S.# SITE PLAN NOTE E.# EQUIPMENT PLAN NOTE FR.# FURNITURE PLAN NOTE ### SHEET NOTE LINKED TO SPECIFICATION SECTION FIRST NUMBER REFERENCES THE CSI DIVISION
	REVISION CLOUD
	REVISION NUMBER

NOTIFICATION TO GENERAL CONTRACTOR

THE INTER RELATION OF THE SPECIFICATIONS AND THE DRAWINGS: THE SPECIFICATIONS DETERMINES THE QUALITY, NATURE AND SETTING OF MATERIALS; THE DRAWINGS ESTABLISH THE QUANTITIES, DIMENSIONS AND DETAILS. THE DOCUMENTS ARE TO BE CONSIDERED AS ONE AND WHATEVER IS CALLED FOR BY ANY ONE SHALL BE AS BINDING AS IF CALLED FOR BY ALL. SHOULD THE DRAWINGS DISAGREE IN THEMSELVES, OR WITH THE SPECIFICATIONS, OR IF PROPRIETARY INFORMATION DISAGREES WITH PERFORMANCE REQUIREMENTS IN EITHER THE DRAWINGS OR THE SPECIFICATIONS, THE BETTER QUALITY OR GREATER QUANTITY OF THE WORK OR MATERIALS SHALL BE ESTIMATED UPON. SHOULD DISCREPANCIES OR DOUBT OCCUR, REQUEST CLARIFICATION FROM THE ARCHITECT. CONTRACTOR SHALL REQUEST CLARIFICATION IN SUFFICIENT TIME TO AVOID DELAYS AND INCREASES IN THE CONTRACT SUM.

REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS BY CONTRACTOR

IF A DIMENSIONAL DISCREPANCY EXISTS, CONTRACTOR SHALL TAKE FIELD MEASUREMENTS REQUIRED FOR PROPER FABRICATION AND INSTALLATION OF WORK. UPON COMMENCEMENT OF ANY ITEM OF WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS RELATED TO SUCH ITEM OF WORK AND SHALL MAKE ANY CORRECTIONS NECESSARY TO MAKE WORK PROPERLY FIT AT NO ADDITIONAL COST TO OWNER.

BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK, CONTRACTOR SHALL VERIFY DIMENSIONS AND CHECK CONDITIONS IN ORDER TO ASSURE THAT THEY PROPERLY REFLECT THOSE ON THE DRAWINGS. ANY INCONSISTENCY SHALL BE BROUGHT TO ATTENTION OF THE ARCHITECT. IN THE EVENT THAT DISCREPANCIES OCCUR BETWEEN ORDERED MATERIAL AND ACTUAL CONDITIONS, OF WHICH ARCHITECT WAS NOT NOTIFIED BEFOREHAND, COSTS TO CORRECT SUCH DISCREPANCIES SHALL BE BORNE BY CONTRACTOR.

These drawings have been prepared as one coordinated set of drawings and are complimentary. What is required by one drawing is required by all of the drawings, even if a detail or component part is not identified on every sheet. Any user's reliance on a single or select few sheet(s) of the drawings without consideration for the information included in the entire set of drawings will be at the user's sole risk and shall not form the basis for a request for additional compensation or time.

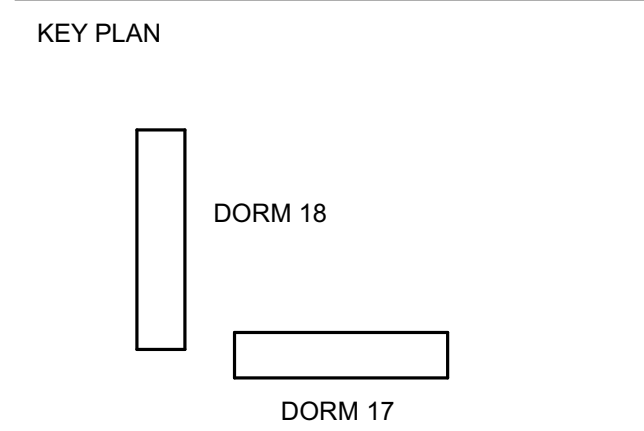
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SHEET TITLE
GRAPHIC STANDARDS

SHEET NUMBER
G0.10

A	
AB	ANCHOR BOLT
AC	ACOUSTICAL SEALANT
ACC	ARCHITECTURAL CAST IN PLACE
	CONCRETE
ACM	ALUMINUM COMPOSITE METAL
ACOUS	ACOUSTICAL
ADJUST	ADJUSTABLE
ADJ	ADJACENT
AD	ACCESS DOOR
AF	ACCESS FLOORING
AFB	ABOVE FINISH FLOOR
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANG	ANGLE
ANOD	ANODIZED
APPROX	APPROXIMATELY
APC	ACOUSTICAL PANEL CEILING
ARCH	ARCHITECT/ARCHITECTURAL
ASPH	ASPHALT
ATC	ACRYLIC TEXTURED COATING
ATN	ATTENUATION/ATTENUATING
AUTO	AUTOMATIC
AUX	AUXILIARY
AVE	AVENUE
AVG	AVERAGE
A/C	AIR CONDITIONING
AV	AUDIO VISUAL

B	
B	BASE
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BLK	BLOCK
BM	BEAM
BOT	BOTTOM
B.O.	BOTTOM OF
BR	BICYCLE RACK
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BSMT	BASEMENT
BTW	BETWEEN
BAB	BALLED & BUR LAPPED
B-B	BACK TO BACK
B.M.	BENCH MARK
B/F	BOTH FACES

C	
CAB	CABINET
CB	CATCH BASIN
CCTV	CLOSED CIRCUIT TELEVISION
CEM	CEMENT
CER	CERAMIC
CFMF	COLD FORMED METAL FRAMING
CFT	CORK FLOOR TILE
CP	CAST IN PLACE CONCRETE
CJ	CONTROL JOINT
CKBD	CHALKBOARD
CLG	CEILING
CLR	CLEAR(ANCE)
CL	CLOSET
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
COL	COLUMN
COMPRESS	COMPRESSIBLE
COMP	COMPOSITION
CONC	CONCRETE
COND	CONDITION
CONF	CONFERENCE
CONST	CONSTRUCTION
CONTR	CONTRACTOR
CONT	CONTINUOUS
CORRU	CORRUGATED
CORR	CORRIDOR
CPS	CARPET SHEET
CPT	CARPET TILE
CSM	CAST STONE MASONRY
CSMT	CASEMENT
CTR	CENTER
CTSK	COUNTERSUNK
CU FT	CUBIC FOOT (FEET)
CU YD	CUBIC YARD
CW	COLD/CHILLED WATER
C-C	CENTER TO CENTER
C.O.	CASED OPENING

D	
D###	SHEET NOTE - DEMO PLAN
D	DEPTH
DBL	DOUBLE
DEFL	DEFLECTION
DEFS	DECORATIVE EXTERIOR FINISH
DF	DRINKING FOUNTAIN
DGL	DECORATIVE GLASS
DIAG	DIAGONAL
DIA	DIAMETER
DM	DIMENSION
DISC	DISCONNECT
DISP	DISPENSER
DL	DEAD LOAD
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DSC	DIMENSIONAL STONE CLADDING
DTL	DETAIL
DWG(S)	DRAWING(S)

E	
EA	EACH
EFB	EXTERIOR FACE OF BUILDING
EJ	EXPANSION JOINT
ELAS	ELASTIC (ELASTOMERIC)
ELEC	ELECTRICAL
ELEV	ELEVATOR
EL	ELEVATION
ELAST	ELASTOMERIC
EM	ENTRANCE FLOOR MATS
EMER	EMERGENCY
EP	EXPLOSION PROOF
EQUIP	EQUIPMENT
EQ	EQUAL
EW	ELECTRIC WATER COOLER
EW	ELECTRIC WATER HEATER
EW	EACH WAY
EXH	EXHAUST
EXIST	EXISTING
EXPAN	EXPANSION
EXP	EXPOSED
EXT	EXTERIOR

F	
F	SHEET NOTE - FINISH PLAN
F###	SHEET NOTE - FURNITURE PLAN
FA	FIRE ALARM
FC	FIRE CODE
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEB	FIRE EXTINGUISHER BRACKET
FEC	FIRE EXTINGUISHER CABINET
FG	ENTRANCE FLOOR GRILLES
FH	FIRE HYDRANT
FIN	FINISH/FINISHED
FIXT	FIXTURE
FLRG	FLOORING
FLR	FLOOR
FLSHG	FLASHING
F.P.W.	FLOOD PROTECTION WALL
FL	FLOOR LINE
FM	FACTORY MUTUAL
FND	FOUNDATION
FR GL	FRITTED GLASS
FRP	FIBER REINFORCED PLASTIC
FRPF	FIREPROOFING
FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR
FS	FULL SIZE
FTG	FOOTING
FT	FOOT (FEET)
FL	FLOW LINE
FURN	FURNISH
FURR	FURRED/FURRING
FV	FIELD VERIFY
FVC	FIRE VALVE CABINET
FWC	FABRIC WALL COVERING
FWP	FABRIC WRAPPED WALL PANELS

G	
GALV	GALVANIZED
GALL	GALLON
GA	GAUGE
GC	GENERAL CONTRACTOR
GD	GUARD
GEN	GENERAL
GF	GLASS FILM
GI	GALVANIZED IRON
GL	GLASS, GLAZING
GL BLK	GLASS BLOCK
GMP	GUARANTEED MAXIMUM PRICE
GR	GRADE, GRADING
GRP	GRAVEL
GRT	GROUT
GSF	GLAZING SURFACE FILM
GSF	GROSS SQUARE FOOT
GYP	GYPSUM

H	
HB	HOSE BIBB
HC	HOLLOW CORE
HDCP	HANDICAPPED
HDWR	HARDWARE
HD	HEAD
HFS	HALF FULL SIZE
HLB	HORIZONTAL LOUVER BLINDS
HLM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HVAC	HEATING/VENTILATING/ AIR CONDITIONING
HW	HOT WATER
HYD	HYDRANT

I	
ID	INSIDE DIAMETER
INCL	INCLUDE
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
IN	INCH
IPS	INSIDE PIPE SIZE

J	
JAN	JANITOR
JST	JOIST
JT	JOINT

L	
LAM	LAMINATE(D)
LAV	LAVATORY
LGTH	LENGTH
LH	LEFT HAND
LV	LEVEL
LIN	LINEAR
LL	LIVE LOAD
LT	LIGHT
LVR	LOUVER
LWT	LIGHTWEIGHT

M	
M	METER
MM	MILLIMETER
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEJ	MASONRY EXPANSION JOINT
MEP	MECHANICAL ELECTRICAL PLUMBING
MF	METAL FINISHES
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLDG	MOULDING
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MSV	MANUFACTURED STONE VENEER
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION
MWP	METAL WALL PANEL

N	
NIC	NOT IN CONTRACT
NOM	NOMINAL
NO. OR #	NUMBER
NRA	NET RENTABLE SQUARE FOOT
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE

O	
OA	OVERALL
OC	ON CENTER(S)
OGD	OVERHEAD COILING DOOR
OGG	OVERHEAD COILING GRILLES
OD	OUTSIDE DIAMETER
OFCD	OWNER FURNISHED/ CONTRACTOR INSTALLED
OFF	OFFICE
OFCD	OWNER FURNISHED/ OWNER INSTALLED
OH	OVERHEAD
OP	OPERABLE PARTITION
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
O.S.	OVERFLOW SCUPPER
O/A	OUTSIDE AIR

P	
P	SHEET NOTE - FLOOR PLAN
P###	SHEET NOTE - POWER PLAN
PAC	ARCHITECTURAL PRECAST CONCRETE
PART	PARTITION
PC	POLISHED CONCRETE
PCF	POUNDS PER CUBIC FOOT
PDP	PREFINISHED DECORATIVE PANELS
PERF	PERFORATED
PLAST	PLASTER
PLAS	PLASTIC
PLBG	PLUMBING
PLYWOOD	PLYWOOD
PAL	PANEL
POL	POLISHED
PRKG	PARKING
PR	PAIR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT
PTD	PAINTED
PTS	PAINTED
PVC	POLYVINYL CHLORIDE
PVG	PAVING
PVMT	PAVEMENT
P.L.	PROPERTY LINE
PL	PLASTIC LAMINATE
PRECAST	PREFINISHED
PPP	PREFINISHED PANEL

Q	
QT	QUARRY TILE

R	
R###	SHEET NOTE - REFLECTED CEILING PLAN
R	RISER
RAD	RADIUS
RBA	RESILIENT BASE AND ACCESSORY
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
RECEPT	RECEPTION
RECEP	RECEPTACLE
RECOM	RECOMMENDATION
REC	RECESSED
REG	REGULATION
REINP	REINFORCED
REQD	REQUIRED
RET	RETURN
REV	REVISION
RE	REFER TO
RF	RESINOUS FLOORING
RFG	ROOFING
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RS	ROLLER SHADE
RSF	RESILIENT SHEET FLOORING
RSF	RENTABLE SQUARE FOOT
RTF	RESILIENT TILE FLOORING
R/AG	RETURN AIR GRILLE
RIA	RETURN AIR

S	
S###	SHEET NOTE - SITE
SAWU	SOUND ABSORBING WALL UNITS
SCHED	SCHEDULE(D)
SC	STAINED CONCRETE
SECT	SECTION
SF	SQUARE FEET
SHLV	SHELVES/SHELVING
SHTHG	SHEATHING
SHT	SHEET
SM	SIMILAR
SKY	SKYLIGHT
SMV	STONE MASONRY VENEER
SPEC	SPECIFICATION
SQ	SQUARE
SS	SOLID SURFACE
SSTL	STAINLESS STEEL
STA	STATION
STAB	STABILIZED(D)
STC	SOUND TRANSMISSION COEFFICIENT
STC	STONE COUNTERTOP
STF	STONE FACING
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE/STRUCTURAL
SUSP	SUSPENDED
SW	SWITCH
SIAD	SUPPLY AIR DIFFUSER

T	
T	TREAD
TA	TOILET ACCESSORY
TOCC	TEXTURE COATING ON CONCRETE
TC	TRAFFIC COATING
TEL	TELEPHONE
TEMP	TEMPERED
THK	THICKNESS
THRES	THRESHOLD
TKBD	TACK BOARD
T.O.	TOP OF
TOS	TOP OF STEEL
TOSS	TOP OF STRUCTURAL SLAB
TR	TRIM (METAL EDGE TRIM)
TRANS	TRANSFORMER
TS	TUBE STEEL
TTC	TELEPHONE TERMINAL CABINET
TUC	TILT-UP CONCRETE
TV	TELEVISION
TYP	TYPICAL

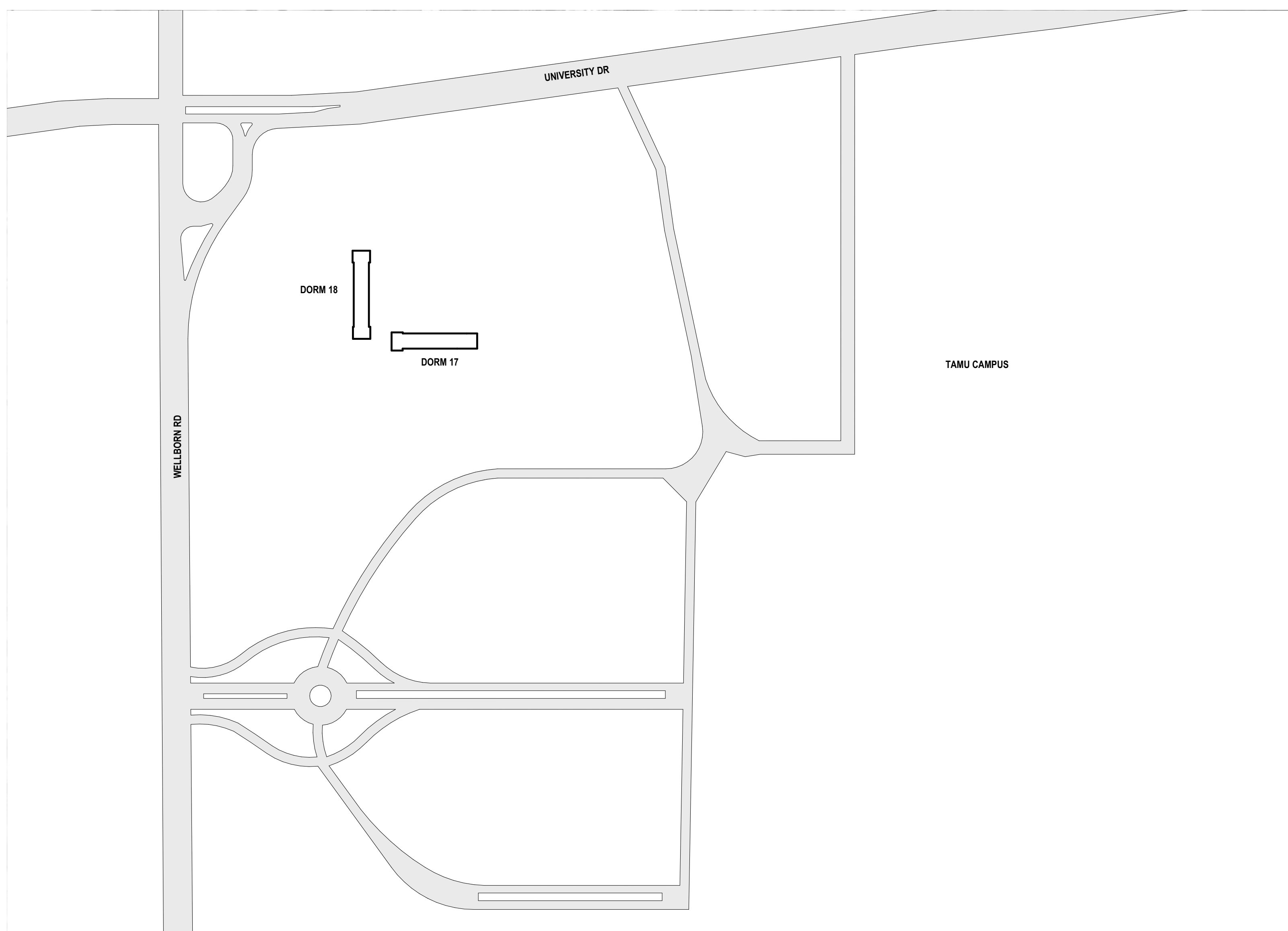
U	
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UPH	UPHOLSTERY
UR	URINAL

V	
VAC	VACUUM
VERT	VERTICAL
VEST	VESTIBULE
VLB	VERTICAL LOUVER BLINDS

W	
WC	WALL COVERING
WCD	WALL COVERING - DRY ERASE
WDW	WINDOW
WD	WOOD
WDV	WOOD VENEER
WF	WIDE FLANGE
WFA	WOOD ATHLETIC FLOORING
WFE	ENGINEERED WOOD PLANK FLOORING
WH	WALL HUNG
WI	WROUGHT IRON
WP	WALL PROTECTION
WR	WATER REPELLENTS
WWF	WELDED WIRE FABRIC
WIO	WITHOUT
W	WITH

X	
XFMR	TRANSFORMER

#	SHEET NAME	DATE	REVISION
GENERAL			
G0.00	TITLE SHEET	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
G0.10	GRAPHIC STANDARDS	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
G0.11	ABBREVIATIONS, SHEET INDEX, & VICINITY MAP	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
G0.20	CODE INFORMATION	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
G0.60	REFERENCE (MOUNTING HEIGHTS)	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
G0.70	MASTER SCHEDULE	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
ARCHITECTURAL			
D4.80	DEMOLITION FLOOR PLAN - DAVIS GARY HALL DORM 18	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
D4.81	DEMOLITION FLOOR PLAN - MOSES HALL DORM 17	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
A1.20	COMPOSITE FLOOR PLANS - DAVIS GARY HALL DORM 18	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
A1.21	COMPOSITE FLOOR PLANS - MOSES HALL DORM 17	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
A4.80	RESTROOM FLOOR PLANS & DETAILS	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
A4.81	RESTROOM FINISH & REFLECTED CEILING PLANS	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
A6.20	DOOR DETAILS, TYPES, & SCHEDULE	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
A6.60	PARTITION DETAILS	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
A8.20	RESTROOM ELEVATIONS	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
STRUCTURAL			
S0.01	GENERAL NOTES	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
S1.10	PARTIAL PLANS AND DETAILS	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
MECHANICAL			
M0.01	MECHANICAL SYMBOLS AND ABBREVIATIONS	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
M1.01	MECHANICAL DEMO PLAN	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
M2.01	MECHANICAL PLAN	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
M4.01	MECHANICAL DETAILS AND SCHEDULES	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
M5.01	MECHANICAL RISER DIAGRAM	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
ME2.00	BASEMENT MECHANICAL/ELECTRICAL PLAN	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
ME2.02	ROOF MECHANICAL/ELECTRICAL PLAN	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
ELECTRICAL			
E0.01	ELECTRICAL SYMBOL LEGEND	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
E0.02	ONELINE DIAGRAMS	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
E0.03	ELECTRICAL DETAILS AND SCHEDULES	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
EL2.01	LIGHTING PLAN	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
EP1.01	POWER DEMO PLAN	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
EP2.01	POWER FIRE ALARM PLAN	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
PLUMBING			
P1.01	PLUMBING DEMO PLAN	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
P2.01	PLUMBING PLAN	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
P4.01	PLUMBING DETAILS AND SCHEDULES	12/21/2017	ISSUE FOR BID AND OWNER REVIEW
P5.01	PLUMBING RISER DIAGRAMS	12/21/2017	ISSUE FOR BID AND OWNER REVIEW



1" = 200'-0"

VICINITY PLAN | A5

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PERMITTING, OR CONSTRUCTION

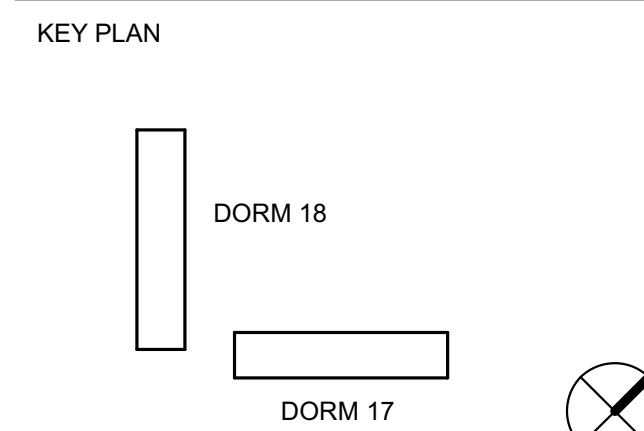
DAVID L. MCLEMORE 12/21/2017

DATE	ISSUE
12/21/2017	ISSUE FOR BID AND OWNER REVIEW

PROJECT NAME
**TAMU MOSES & DAVIS-GARY
DORMITORY RESTROOM
RENOVATION**

PROJECT ADDRESS
**COLLEGE STATION, TEXAS
77843**

KIRKSEY PROJECT NO. **2017228**



SHEET TITLE
**ABBREVIATIONS, SHEET
INDEX, & VICINITY MAP**

SHEET NUMBER
G0.11

PROJECT INFORMATION

BUILDING PERMIT NO.: PERMIT # NOT APPLICABLE
TDLR PROJECT #: TDLR #
PROJECT ADDRESS: MOSES AND DAVIS-GARY DORMS, TEXAS A&M UNIVERSITY COLLEGE STATION TX 77843

PROJECT DESCRIPTION:
 CONSISTS OF COMPLETE DEMOLITION AND NEW CONSTRUCTION OF TWO NEW RESTROOMS PER FLOOR, FOR EACH OF THE FOUR FLOORS OF EACH BUILDING. NO WORK IS SCHEDULED FOR DORM ROOMS OR EXIT CORRIDORS. EXISTING STAFF OFFICE IS SCHEDULED TO BE RELOCATED ACROSS THE HALL TO A VACANT DORM ROOM.

APPLICABLE CODES INCLUDE:
 2015 INTERNATIONAL BUILDING CODE
 2015 NFPA 1 UNIFORM FIRE CODE (MAPP 07.02.01)
 NFPA LIFE SAFETY CODE 101, 2015 EDITION
 2015 INTERNATIONAL FIRE CODE
 2015 INTERNATIONAL ENERGY CONSERVATION CODE
 EXEMPTED FOR MINOR RENOVATION: EXTERIOR WALL TO REMAIN UNCHANGED.
 2015 INTERNATIONAL MECHANICAL CODE
 2015 INTERNATIONAL PLUMBING CODE
 2014 NATIONAL ELECTRICAL CODE
 TEXAS ACCESSIBILITY STANDARDS (TAS) 2012

USE AND OCCUPANCY CLASSIFICATION: CHAPTER 3

CLASSIFICATION: SECTION 302
OCCUPANCY TYPE(S): MAJOR USE OF BUILDING OTHER LARGE AREAS
 RESIDENTIAL R2
 Utility and Miscellaneous Group U

SPECIAL REQUIREMENTS BASED ON USE AND OCCUPANCY: CHAPTER 4

HIGH-RISE BUILDINGS: SECTION 403
 THIS PROJECT IS **NOT** A HIGH RISE (OCCUPIED FLOORS ARE NOT GREATER THAN 75 FEET ABOVE LOWEST LEVEL).

ATRIUMS: 404 - NONE

GENERAL BUILDING HEIGHTS AND AREAS: CHAPTER 5

ALLOWABLE HEIGHT AND # OF STORIES: SECTION 504 (TABLE 504.3 & 504.4)
BUILDING AREA: SECTION 506 (TABLE 506.2)

	ALLOWABLE	ACTUAL
BUILDING HEIGHT	65'	36'
NO. OF STORIES	4 STORY	2
AREA PER STORY	16,000	8,984
AREA TOTAL	64,000	35,936 SF

MIXED USE AND OCCUPANCY: SECTION 508
 OCCUPANCY SEPARATION: TABLE 508.4 N = NO SEPARATION REQUIRED

TYPES OF CONSTRUCTION: CHAPTER 6

CONSTRUCTION CLASSIFICATION: 602
 BUILDING TYPE TYPE IIB - IBC
 TYPE II 000 - NFPA

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS: (TABLE 601 IBC - TABLE A.8.2.1.2 NFPA)

PRIMARY STRUCTURAL FRAME BEARING WALLS	0 HOUR
EXTERIOR	0 HOUR
INTERIOR	0 HOUR
NONBEARING WALLS & PARTITIONS	
EXTERIOR (T 602)	0 HOUR
INTERIOR	0 HOUR
FLOOR CONSTRUCTION	0 HOUR
ROOF CONSTRUCTION	0 HOUR

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE: TABLE 602

EXTERIOR WALL RATING	0 HOUR
----------------------	--------

FIRE AND SMOKE PROTECTION FEATURES: CHAPTER 7

EXTERIOR WALLS: SECTION 705
MAXIMUM AREA OF EXTERIOR WALL OPENINGS: TABLE 705.8
 DISTANCE OF BUILDING FROM (1) LOT LINE (2) CENTERLINE OF A STREET OR (3) ASSUMED PROPERTY LINE BETWEEN BUILDINGS: 27'
 AREA OF EXTERIOR WALL: 4,725
 ALLOWABLE OPENING %: NO LIMIT
 CLASSIFICATION OF OPENING: UNPROTECTED
 ACTUAL OPENING PROVIDED: 170, 2%

FIRE WALLS: SECTION 706
FIRE WALL FIRE-RESISTANCE RATING: TABLE 706.4
 A,B,E,H-1,R-1,R-2,U 3 HOURS
 F-1, H-3, H-5, M-S-1 3 HOURS
 H-1, H-2 4 HOURS
 F-2, S-2, R-3, R-4 2 HOURS

INTERIOR FINISHES: CHAPTER 8

WALL AND CEILING FINISHES: SECTION 803 - A.10.2 NFPA
WALL AND CEILING FINISHES (803.1): INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
 CLASS A: FLAME SPREAD 0-25; SMOKE-DEVELOPED 0-450

CLASS B: FLAME SPREAD 26-75; SMOKE-DEVELOPED 0-450
 CLASS C: FLAME SPREAD 76-200; SMOKE-DEVELOPED 0-450

INTERIOR WALL AND CEILING FINISH REQ'S BY OCCUPANCY (TABLE 803.1):
 INTERIOR EXIT STAIRWAYS, INTERIOR EXIT RAMPS AND EXIT PASSAGEWAYS: CLASS C
 CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND EXIT ACCESS RAMPS: CLASS C
 ROOMS AND ENCLOSED SPACES: CLASS C

INTERIOR FLOOR FINISHES: SECTION 804 - TABLE A.10.2.2 NFPA

FIRE PROTECTION SYSTEMS: CHAPTER 9

AUTOMATIC SPRINKLER SYSTEMS: SECTION 903
 THIS BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM.

STANDPIPE SYSTEMS: SECTION 905
 THIS BUILDING IS EQUIPPED WITH A STANDPIPE SYSTEM.
 REFER TO MECHANICAL DRAWINGS FOR LOCATION AND CLASSIFICATION INFORMATION OF STANDPIPES IN THE BUILDING.

PORTABLE FIRE EXTINGUISHERS: SECTION 906
 FIRE EXTINGUISHERS LOCATED IN ACCORDANCE WITH TAMU REGULATIONS.

MEANS OF EGRESS: CHAPTER 10

OCCUPANCY LOAD (1004):
 TABLE 1004.1.2 (7.3.1.2 NFPA) MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT.

ASSEMBLY CONCENTRATED (CHAIRS ONLY-NON FIXED)	7 NET
ASSEMBLY STANDING	5 NET
ASSEMBLY UNCONCENTRATED (TABLES AND CHAIRS)	15 NET
BUSINESS	100 GROSS
DAY CARE	35 NET
EDUCATIONAL - CLASSROOM	20 NET
EDUCATIONAL - SHOPS / VOCATIONAL ROOM	50 NET
EXERCISE ROOM	50 GROSS
KITCHEN, COMMERCIAL	200 GROSS
LIBRARY - READING ROOM	50 NET
LIBRARY - STACK AREA	100 GROSS
PARKING GARAGE	200 GROSS
RESIDENTIAL	200 GROSS
STAGES AND PLATFORMS	15 NET
WAREHOUSES	500 NET

MEANS OF EGRESS SIZING (1005) - NFPA TABLE 7.3.3.1:

1005.3.1 STAIRWAYS: EGRESS CAPACITY FACTOR:
 0.3 INCH / OCCUPANT (NON-SPRINKLERED BUILDING)
 0.2 INCH / OCCUPANT (SPRINKLERED BUILDING, EXCLUDING GROUP H AND I-2)

1005.3.2 OTHER EGRESS COMPONENTS: EGRESS CAPACITY FACTOR:
 0.2 INCH / OCCUPANT (NON-SPRINKLERED BUILDING)
 0.15 INCH / OCCUPANT (SPRINKLERED BUILDING, EXCLUDING GROUP H AND I-2)

NUMBER OF EXITS AND EXIT ACCESS DOORWAYS (1006):
 MINIMUM NUMBER OF EXITS / STORY: (TABLE 1006.3.1)
 2 EXITS (1-600)
 3 EXITS (501-1000) 1006.2.1.1
 4 EXITS (>1000 OCC)

DOORS, GATES AND TURNSTILES (1010):
1010.1.10 PANIC AND FIRE EXIT HARDWARE: THE FOLLOWING AREAS ARE REQUIRED TO HAVE PANIC AND FIRE HARDWARE:
 GROUP H
 GROUP A OR E WITH OCCUPANT LOAD OF 50 OR MORE
 ELECTRICAL ROOMS WITH ≥1,200 AMPERES AND OVER 6 FEET WIDE THAT CONTAIN OVERCURRENT DEVICES.
 *DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL.

EXIT ACCESS (1014):
COMMON PATH OF EGRESS TRAVEL (TABLE 1014.3) (TABLE A.7.6. NFPA)
 BUSINESS-MAXIMUM COMMON PATH OF EGRESS TRAVEL: 100 FEET (SPRINKLERED)

EXIT ACCESS TRAVEL DISTANCE (1017):
 1017.2 LIMITATIONS: MAXIMUM EXIT ACCESS TRAVEL DISTANCE: 300 FEET (A SPRINKLERED)

CORRIDOR (1020):
1020.1 CONSTRUCTION: IF REQUIRED, SHALL BE FIRE PARTITIONS:
 FIRE-RESISTANCE RATING 0.5 HOUR
1020.2 WIDTH AND CAPACITY: MINIMUM CORRIDOR WIDTH (TABLE 1018.2):
 OTHER 44 INCHES
 ACCESS TO MEP EQUIPMENT 24 INCHES
 OCCUPANT LOAD ≤50 36 INCHES
 DWELLING 36 INCHES
 GROUP E >100 OCCUPANT 72 INCHES
 STRETCHER (AMBULATORY CARE) 72 INCHES
 GROUP I-2 (BED MOVEMENT) 96 INCHES

1020.4 DEAD ENDS: MAXIMUM DEAD END CORRIDOR DISTANCE:
 STANDARD 20 FEET
 GROUP I-3 50 FEET
 GROUP B, E, F, I-1, M, R-1, R-2, R-4, S, U 50 FEET
 WITH AUTOMATIC SPRINKLER

INTERIOR EXIT STAIRWAYS AND RAMPS: SECTION 1023
1023.1 GENERAL: INTERIOR EXIT STAIRWAYS AND RAMPS SHALL BE ENCLOSED AND LEAD DIRECTLY TO THE EXTERIOR OF THE BUILDING OR SHALL BE EXTENDED TO THE EXTERIOR OF THE BUILDING WITH AN EXIT PASSAGEWAY

1023.2 CONSTRUCTION: ENCLOSURES FOR INTERIOR EXIT STAIRWAYS AND RAMPS SHALL BE CONSTRUCTED AS FIRE BARRIERS
 FIRE-RESISTANCE RATING 2 HOURS (FOUR STORIES OR MORE)
 *1 HOUR (LESS THAN FOUR STORIES AND NOT TYPE 1 CONSTRUCTION. REFER TO TABLE 601 FOR REQUIRED FLOOR ASSEMBLY RATINGS)

1023.3 TERMINATION: INTERIOR EXIT STAIRWAYS AND RAMPS SHALL TERMINATE AT AN EXIT DISCHARGE OR A PUBLIC WAY.

EXIT PASSAGEWAYS (IBC 1024) (38.3.6 NFPA):

1024.2 (38.2.3.2 NFPA) WIDTH: 44 INCHES MINIMUM
 36 INCHES MINIMUM IF OCCUPANT LOAD IS LESS THAN 50

1024.3 (38.3.6 NFPA) CONSTRUCTION: EXIT PASSAGEWAYS SHALL BE CONSTRUCTED AS FIRE BARRIERS
 FIRE RESISTANCE RATINGS: 1-HOUR FIRE-RESISTANCE RATING, BUT NOT LESS THAN REQUIRED RATING FOR CONNECTING INTERIOR EXIT STAIRWAY OR RAMP.

1024.4 TERMINATION: EXIT PASSAGEWAYS ON THE LEVEL OF EXIT DISCHARGE SHALL TERMINATE AT AN EXIT DISCHARGE. EXIT PASSAGEWAYS ON OTHER LEVELS SHALL TERMINATE AT AN EXIT.

PLUMBING SYSTEMS: CHAPTER 29

MINIMUM NUMBER OF PLUMBING FACILITIES: (IBC-TABLE 2902.1)

LEVEL	OCCUPANT LOAD		WATER CLOSET MEN		WATER CLOSET WOMEN		LAVATORIES MEN		LAVATORIES WOMEN		SHOWERS MEN & WOMEN		SERVICE SINK DRINKING FOUNTAIN	
	M	W	REQ D	PRVD	REQ D	PRVD	REQD	PRVD	REQ D	PRVD	REQ D	PRVD	REQ D	PRVD
1	27	27	3	5	3	5	3	4	3	4	4	6	1	1
2	30	30	3	5	3	5	3	4	3	4	4	6	1	1
3	30	30	3	5	3	5	3	4	3	4	4	6	1	1
4	30	30	3	5	3	5	3	4	3	4	4	6	1	1

ELEVATORS AND CONVEYING SYSTEMS: CHAPTER 30

ELEVATOR LOBBIES AND HOISTWAY OPENING PROTECTION: SECTION 3006
 NOT APPLICABLE.

HAZARDOUS AND HIGH PILE

HAZARDOUS MATERIALS:
 EMERGENCY ALARM SYSTEM REQUIRED PER IFC: NO
 THIS BUILDING IS DESIGNED FOR THE INTENT OF HAZARDOUS MATERIAL STORAGE: NO

HIGH PILED STORAGE:
 THIS BUILDING IS DESIGNED FOR THE INTENT OF HIGH PILE STORAGE: NO

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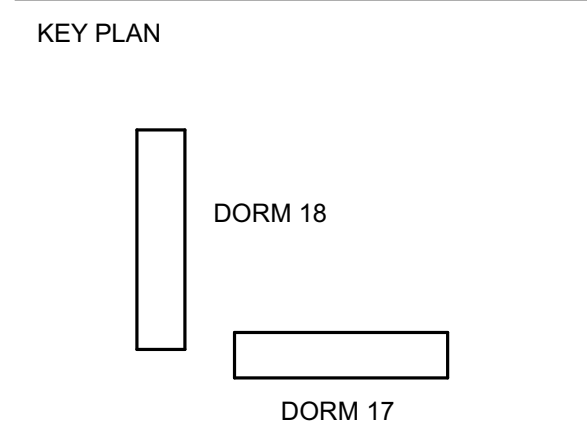
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 DAVID L. MCLEMORE 12/21/2017

△	DATE	ISSUE
A	12/21/2017	ISSUE FOR BID AND OWNER REVIEW

PROJECT NAME
TAMU MOSES & DAVIS-GARY DORMITORY RESTROOM RENOVATION

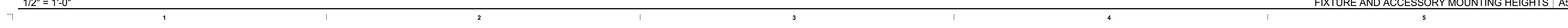
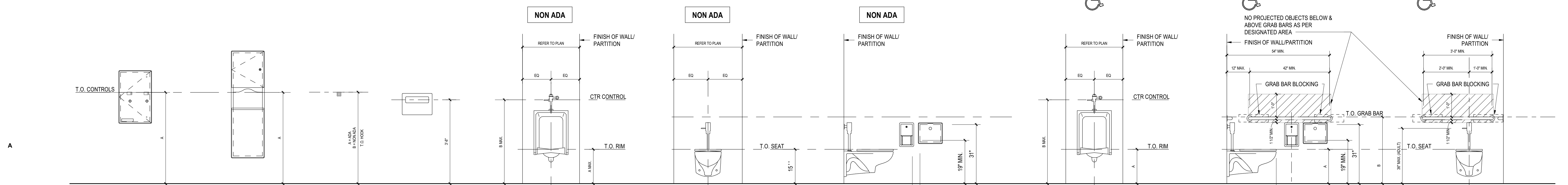
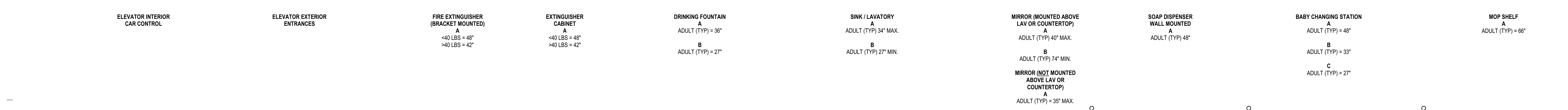
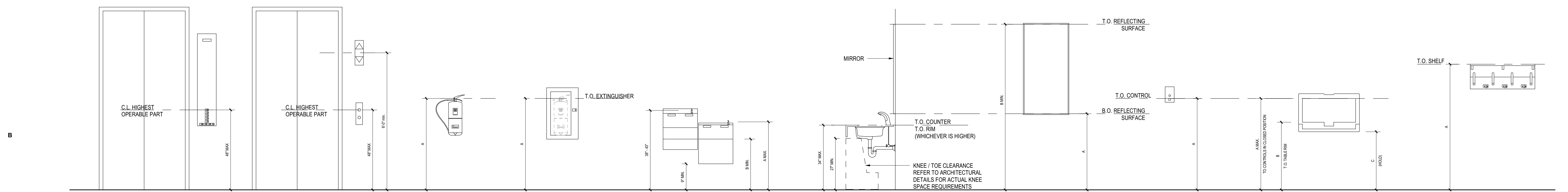
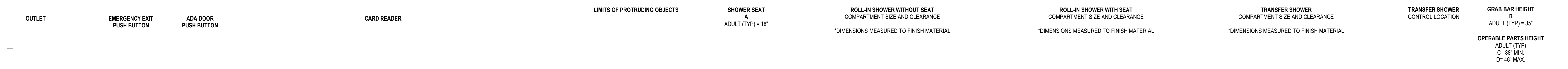
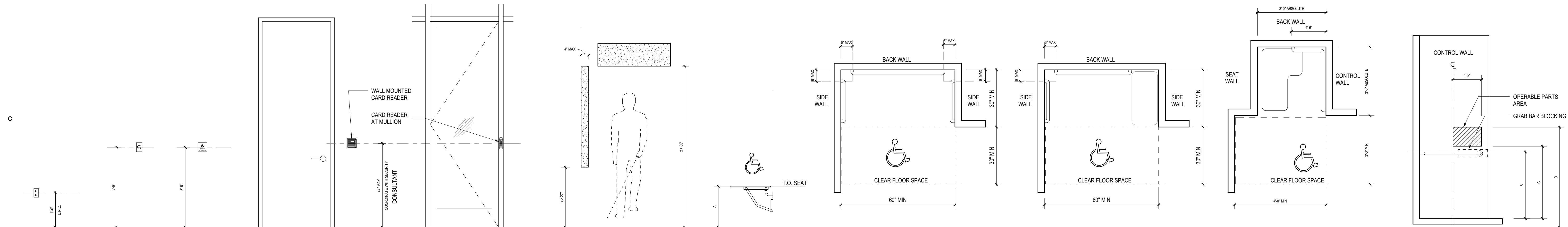
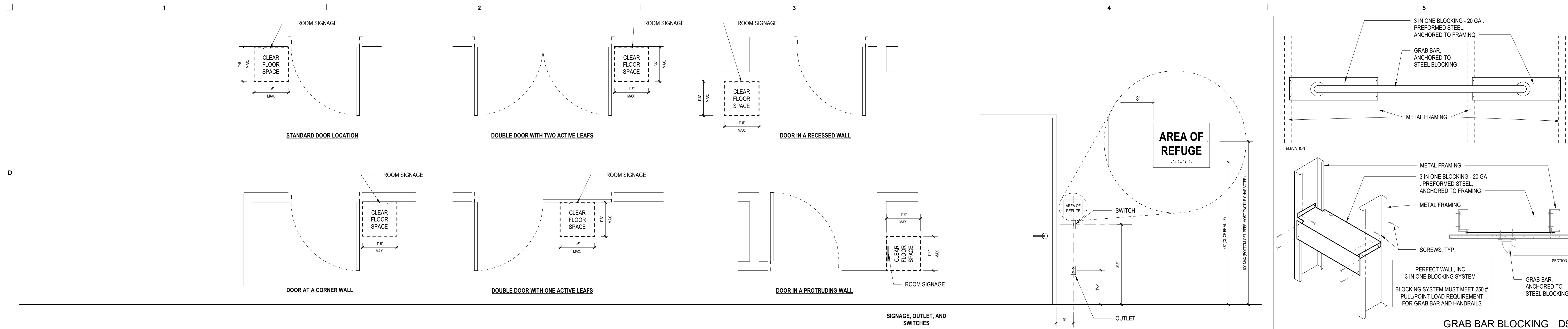
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 COLLEGE STATION, TEXAS 77843

KIRKSEY PROJECT NO. 2017228



SHEET TITLE
CODE INFORMATION

SHEET NUMBER
G0.20



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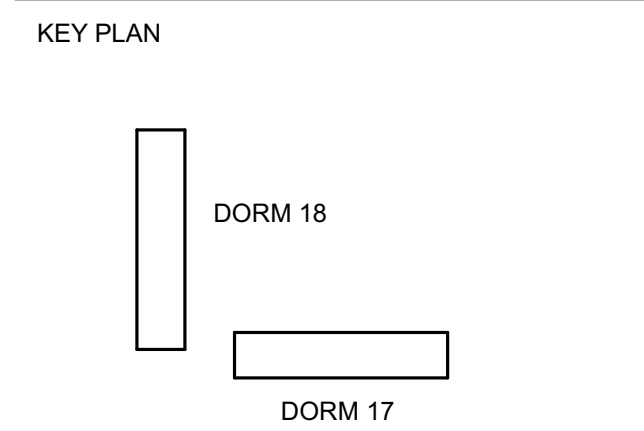
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TAMU MOSES & DAVIS-GARY DORMITORY RESTROOM RENOVATION

PROJECT ADDRESS
COLLEGE STATION, TEXAS 77843

KIRKSEY PROJECT NO. **2017228**



SHEET TITLE
REFERENCE (MOUNTING HEIGHTS)

SHEET NUMBER
G0.60

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1/2" = 1'-0"

FIXTURE AND ACCESSORY MOUNTING HEIGHTS | A5

DIVISION 6 WOOD AND COMPOSITES

PLASTIC LAMINATE

PL-1	Manufacturer	Pionite
	Product Name/No.	Match finish of existing corridor doors
	Color	Match finish of existing corridor doors
	Finish	Hi-Brite (Fire Rated)
	Remark	Restroom Door

DIVISION 8 DOORS AND WINDOWS

083113 ACCESS DOORS

AD-1	Description	Non-Rated: Access Door in Gypsum Board Ceiling
	Manufacturer	Acudor
	Model / Type	GFRC-S (Glass Fiber Reinforced Cement)
	Size	12x12
	Rating	non-rated
	Finish	Match adjacent ceiling
	Remarks	Square corners

AD-3	Description	Non-Rated: Access Door in Wall (Flange)
	Manufacturer	Acudor
	Finish	Satin
	Model / Type	UF-5000 Universal
	Size	12x12, coordinate
	Rating	non-rated
	Finish	Stainless Steel
	Lock	cylinder lock with key
	Size	varies, coordinate
	Remarks	

088000 GLAZING

GL-1	Description	Laminated Translucent Glass
	Manufacturer	Viracon
	Product	
	outside glass	1/4" Clear HS
	surface #2	PVB Interlayer: Clear, 0.030"
	insulated space	N/A
	surface #3	PVB Interlayer: Vanceva 9 - Arctic Snow, 0.030", 216500
	inside glass	1/4" Clear HS
	Transmittance (VLT)	60%
	U-Value (Winter)	0.95
	U-Value (Summer)	0.86
	SHGC	0.6
	LSG	1

DIVISION 9 FINISHES

093000 TILING (CERAMIC, STONE, QUARRY, GLASS)

TILE-1	Type	Porcelain Wall Tile
	Manufacturer	Daltile
	Patterns	Ever
	Color	Moon EV01
	Size	12" x 24"
	Finish	Unpolished
	Thickness	5/16"
	Jointing Pattern	As indicated on Interior Elevations
	Joint Width	3/16"
	Grout Type	Laticrete 1600 Unsanded Grout with Laticrete 1776 Grout Enhancer or Laticrete PERMACOLOR Grout
	Grout Color	Architect to select from Manufacturer's full-range color chart
	Grout Sealer	Required
	TCNA Installation	W245-03
	Remarks	TS-1 trim at all outside corners. Cove Base S-36C9T
	Contact	Jim Hodges (281) 481-5893

TILE-2	Description	Porcelain Floor Tile
	Manufacturer	Daltile
	Patterns	Keystones
	Color	Urban Putty Speckle D201
	Size	2" x 2"
	Finish	Matte
	Thickness	1/4"
	Jointing Pattern	Refer to Finish Plan
	Joint Width	1/8"
	Grout Type	Laticrete SPECTRALOCK Pro Premium Grout
	Grout Color	Architect to select from Manufacturer's full-range color chart
	Grout Sealer	Required
	TCNA Installation	F121-03 (Cement Mortar Bed) and F122-03 (Thin-Set)
	Remarks	Expansion Joint per TCNA EJ171-03
	Contact	Jim Hodges (281) 481-5893

TH-1	Description	Door Threshold
	Manufacturer	Daltile
	Patterns	DT-M701-2"
	Color	Carrera White
	Size	2" x 36" x 5/8"
	Finish	Polished

093000 TILING ACCESSORIES

TS-1	Manufacturer	Schluter
	Product	RONDEC (3/8")
	Finish	Brushed Stainless Steel

096513 RESILIENT BASE AND ACCESSORIES

RBA-1	Description	Wall Base
	Manufacturer	Johnsonite
	Product	Traditional Wall Base
	Color	Match existing corridor base
	Size	Match existing corridor base
	Style / Profile	Cove

099100 PAINT

General Note: All gypsum walls to be level 4 finish unless noted otherwise in schedule

PT-1	Manufacturer/Color No.	Sherwin Williams/ White Flour SW7102 - Pro Industrial Pre Catalyzed Waterbase Epoxy Paint
	Sheen	Semi-Gloss
	Gypsum Level	Level 4
	Location	Restroom Ceiling

PT-2	Manufacturer/Color No.	Sherwin Williams/ White Flour SW7102 - Pro Industrial Pre Catalyzed Waterbase Epoxy Paint
	Sheen	Eggshell
	Gypsum Level	Level 4
	Location	Restroom Walls

PT-3	Manufacturer/Color No.	Sherwin Williams/ Match existing corridor HM frames
	Sheen	Semi-Gloss
	Gypsum Level	N/A
	Location	Hollow Metal Frames

PT-4	Manufacturer/Color No.	Sherwin Williams/ Match existing corridor
	Sheen	Eggshell
	Gypsum Level	N/A
	Location	Corridor Walls

DIVISION 10 SPECIALTIES

102113 TOILET PARTITIONS

TP-1	Manufacturer	ASI Accurate Partitions
	Product / Model No.	Phenolic Black Core
	Height	70" overall, Floor Mounted
	Finish	Taupe 9096
	Door Hardware	Stainless Steel, Tamper-resistant, continuous S/S brackets
	Note	Restrooms

10 28 00 TOILET AND SHOWER ACCESSORIES

TA-1 TOILET PAPER DISPENSER

TA-1.2	Description	Toilet Tissue Dispenser-Surfaced Mounted; OF-CI
	Manufacturer	Georgia-Pacific
	Model	56784 Compact Side-By-Side Roll

TA-2 GRAB BARS

TA-2.1	Description	36" Grab Bar
	Manufacturer	Bobrick
	Thickness	B-6806 x 36

TA-2.2	Description	42" Grab Bar
	Manufacturer	Bobrick
	Model	B-6806 x 42

TA-2.3	Description	Grab Bar for Showers - Horizontal Two-Wall Bar
	Manufacturer	Bobrick
	Model	B-6861

TA-3 SANITARY NAPKIN RECEPTACLE

TA-3.2	Description	Sanitary Napkin Floor Receptacle, Hospeco
	Manufacturer	
	Model	HOS 2201 Double Entry Swing Top, Metal, White

TA-5 HOOKS

TA-5.1	Description	Heavy-Duty Clothes Hook
	Manufacturer	Bobrick
	Model	B-211 (Satin nickel-plated finish)

TA-5.2	Description	Surface-Mounted Towel Pin
	Manufacturer	Bobrick
	Model	B-677 (Bright polished stainless steel)

TA-6 PAPER TOWEL DISPENSER / WASTE RECEPTACLE

TA-6.1	Description	Paper Tower Dispenser
	Manufacturer	Georgia-Pacific
	Model	59466A enMotion Recessed Automated Touchless Towel Dispenser

TA-6.2	Description	Paper Tower Waste Receptacle
	Manufacturer	Georgia-Pacific
	Model	59491 GP Recessed Trash Receptacle for 16 inch Cavities

TA-7 MIRROR

TA-7.1	Description	Mirror with Stainless Steel Channel Frame
	Manufacturer	Bobrick
	Model	B-165
	Size	24"x 36"

TA-7.2	Description	Mirror with Stainless Steel Channel Frame
	Manufacturer	Bobrick
	Model	B-165
	Size	24"x 60"

TA-7.3	Description	Mirror with Stainless Steel Angle Frame and 5" Deep Shelf
	Manufacturer	Bobrick
	Model	B-292
	Size	24"x 36"

TA-8 SOAP DISPENSER

TA-8.2	Description	Soap Dispenser - Wall Mounted; OF-CI
	Manufacturer	GOJO TFX Touch-Free Foaming Soap System
	Model	2730-12 Black

TA-9 GUARDS

TA-9	Description	Underlavatory Guards
	Manufacturer	Truebro
	Model	Lav Guard 2

TA-11 SHOWER ACCESSORIES

TA-11.1	Description	Shower Seat-ADA Folding
	Manufacturer	Bobrick
	Model	B-5181

TA-11.2	Description	Heavy-Duty Shower Curtain Rod
	Manufacturer	Bobrick
	Model	B-6107

Remarks	36" (Length to fit opening)
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TA-11.3	Description	Vinyl Shower Curtain & Stainless Steel Hooks
	Manufacturer	Bobrick
	Curtain Model	DRP-1 as listed below
	Hooks Model	204-1
	Remarks	36" (Length to fit opening)

TA-12 CLOTHES HOOKS

TA-12	Description	Vandal-Resistant Clothes Hook Strip, 18" long, 4 pegs
	Manufacturer	Bobrick
	Model	B-985

TA-13 SHELF

TA-13	Description	Stainless Steel Shelf, 24" wide
	Manufacturer	Bobrick
	Model	B-298x24

DIVISION 12 FURNISHINGS

12 22 00 CURTAINS AND TRACKS

DRP-1	Track	Model IFC-98, as manufactured by Imperial Fastener Co.
	Drapery Fabricator	L&D Upholstery
	Drapery Fabric	Manuf. Standard Textiles Co.
	Drapery Fabric Product	San Suede (Lattice)
	Drapery Fabric Color	Champagne
	Remarks	Shower Curtain

12 36 62 SOLID SURFACING FABRICATIONS

SS-1	Description	Shower Enclosures
	Manufacturer	Inpro Corporation
	Product	Endurant Washroom Systems
	Color	White Sand
	Thickness	1/4" thick wall panels, 1" thick doors and pilasters
	Edge Treatment	Square, Polished
	Notes	Provide Soap Caddies, Shower Pans, Foot Rests, Ceiling Panels, Door Panels, and Wall Panels for Complete and Waterproof Shower Enclosure

SS-2	Description	Vanity Top, Backsplash, Sidesplash and Integral Sink
	Manufacturer	Corian
	Product	Solid Surface
	Color	Whipped Cream
	Thickness	1/2"
	Edge Treatment	Square



6909 Portwest Drive
Houston Texas 77024
713 850 9600
kirksey.com

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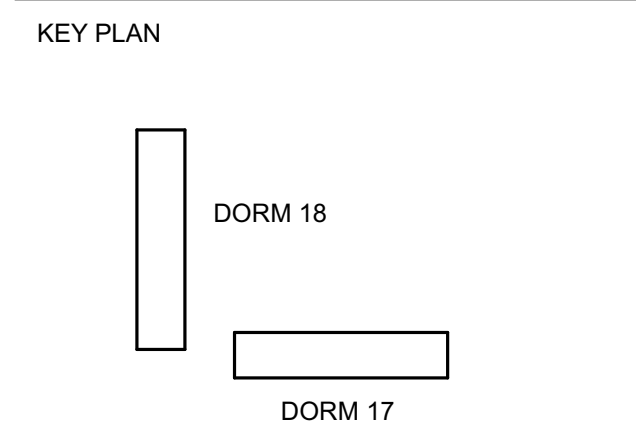
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DAVID L. MCLEMORE 12/21/2017

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PROJECT NAME
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PROJECT ADDRESS
COLLEGE STATION, TEXAS 77843

KIRKSEY PROJECT NO. **2017228**



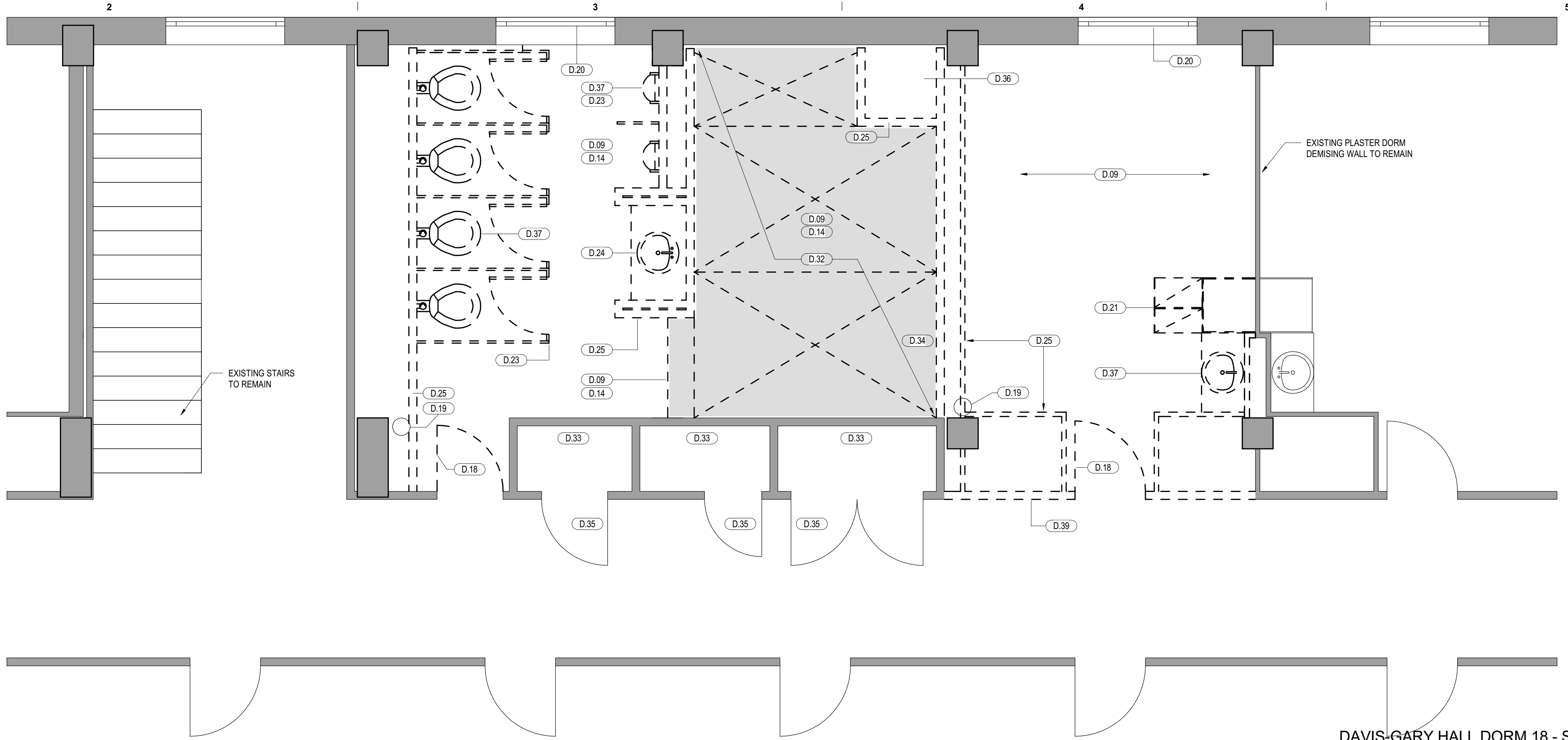
SHEET TITLE
MASTER SCHEDULE

SHEET NUMBER
G0.70

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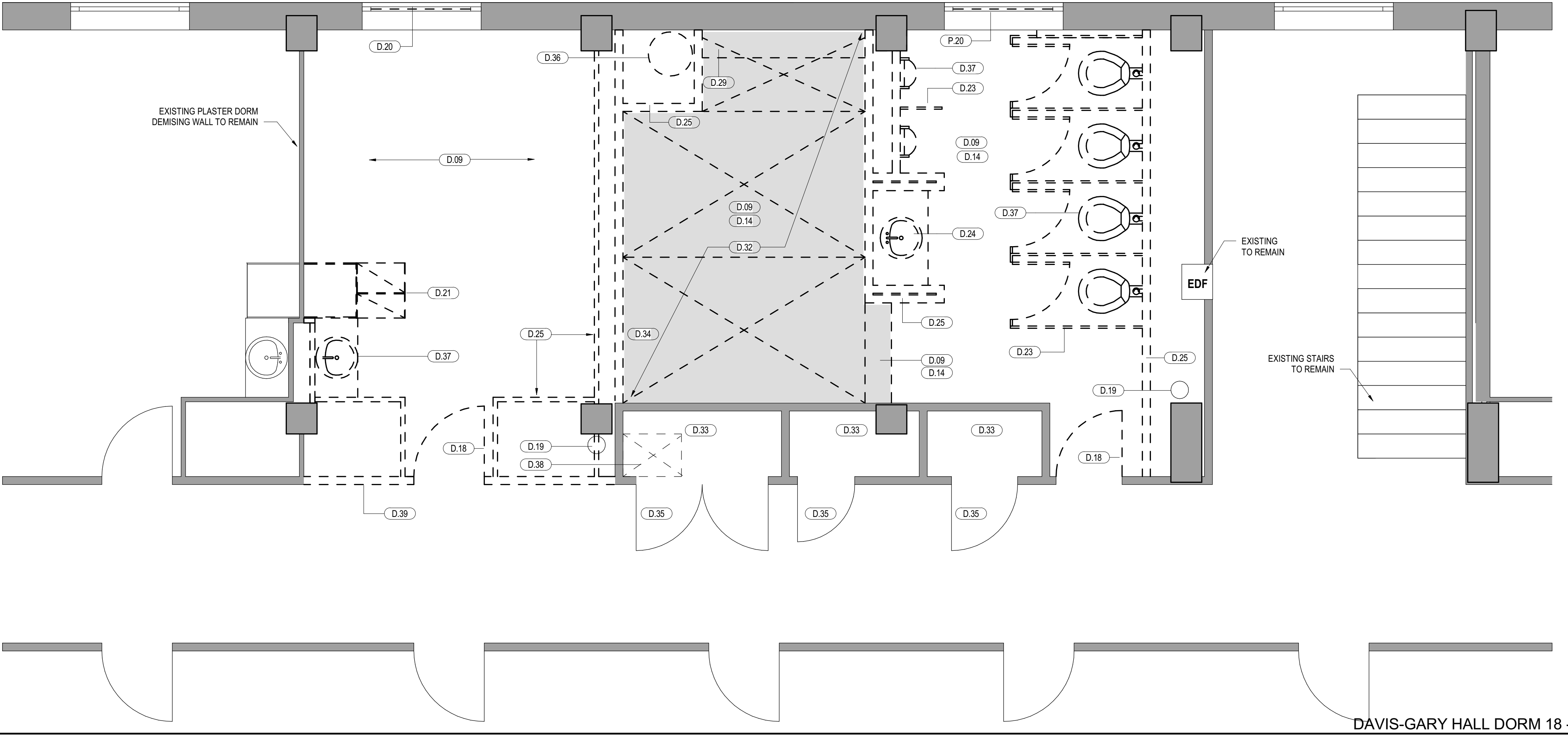
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3/8" = 1'-0"

DAVIS-GARY HALL DORM 18 - SOUTH DEMOLITION PLAN | C5



3/8" = 1'-0"

DAVIS-GARY HALL DORM 18 - NORTH DEMOLITION PLAN | B5

DEMOLITION NOTES

- D.09** REMOVE ALL EXISTING FLOORING IN ITS ENTIRETY. PATCH AND PREP SUBFLOOR FOR INSTALLATION OF NEW FINISHES. -RE. FINISH PLAN.
- D.14** REMOVE EXISTING RESTROOM IN ITS ENTIRETY. COORDINATE WITH MEP DRAWINGS FOR EXTENT OF DEMO OF EXISTING PLUMBING LINES AND ELECTRICAL DEVICES. -RE. FLOOR PLAN FOR NEW LAYOUT.
- D.18** REMOVE EXISTING DOOR IN ITS ENTIRETY AND PORTION OF EXISTING WALL AS SHOWN. PATCH, REPAIR, AND PREP FLOOR, CEILING AND REMAINING ADJACENT WALLS TO RECEIVE NEW FINISHES. -RE. FLOOR PLAN.
- D.19** EXISTING 6" ROOF DRAIN TO REMAIN
- D.20** REMOVE EXISTING GLAZING. - EXISTING WINDOW FRAME TO REMAIN
- D.21** REMOVE EXISTING DORM MILLWORK
- D.23** REMOVE TOILET AND URINAL PARTITIONS
- D.24** REMOVE LAVATORY
- D.25** REMOVE CMU WALLS
- D.29** REMOVE SHOWER PARTITION WITH BENCHES & CURTAINS
- D.32** REMOVE RAISED SHOWER ROOM FLOOR
- D.33** EXISTING 4" CMU WALLS TO REMAIN
- D.34** REMOVE SHOWER UNITS WITH CONCEALED PIPING
- D.35** EXISTING DOORS AND FRAMES TO REMAIN
- D.36** REMOVE EXISTING DUCT WORK AND PATCH HOLE - RE STRUCT. DETAIL
- D.37** REMOVE ALL PLUMBING FIXTURES
- D.38** EXISTING METAL TRASH CHUTE TO REMAIN
- D.39** REMOVE EXISTING PLASTER CORRIDOR WALL
- F.20** EXISTING DOORS TO REMAIN

GENERAL NOTES

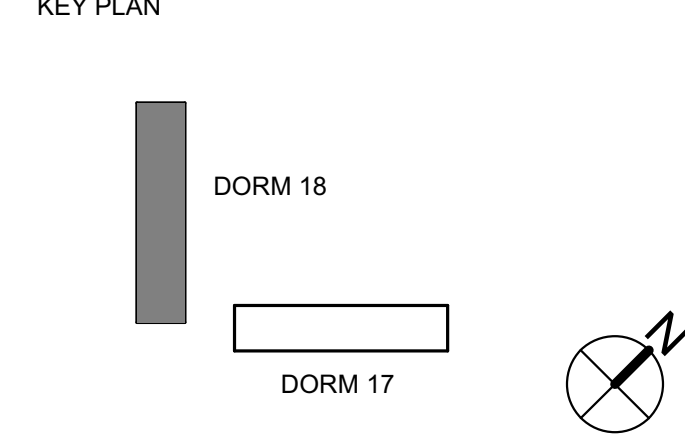
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- 2 PLUMBING SHOWN TO BE REMOVED SHALL BE DEMOLISHED BACK TO THE CONNECTION WITH BUILDING RISERS. FLOOR AND WALL PENETRATIONS SHALL BE PATCHED OR FIRE SAFED TO RESTORE THE EXISTING FIRE RATING.
- 3 EXISTING DOORS AND FRAMES SHOWN TO BE REMOVED CAREFULLY AND STORED FOR REUSE OR PROVIDED TO OWNER.
- 4 THE GENERAL CONTRACTOR SHALL PROTECT ANY ITEMS SHOWN TO REMAIN THAT, IN THE OPINION OF THE GENERAL CONTRACTOR, MAY BE DAMAGED OR DESTROYED BY THE WORK SHOWN.
- 5 NOTIFY PRIOR TO THE DISABLING OF ANY FIRE ALARM DEVICES. FIRE ALARM DEVICES THAT ARE NOT DISABLED, BUT TEMPORARILY REMOVED FROM CEILINGS OR WALLS AS A RESULT OF DEMOLITION SHALL BE PROPERLY SUSPENDED ABOVE THE CEILING TO PREVENT DAMAGE.
- 6 UPON COMPLETION OF DEMOLITION, THE GENERAL CONTRACTOR SHALL LEAVE ALL AREAS BROOM CLEAN (AT A MINIMUM).
- 7 REMOVE FLOORING, BASE, AND LOOSE FLOOR LEVELING MATERIAL. IN AREAS NOTED, EXISTING FLOOR SHALL BE PREPARED TO ACCEPT NEW FLOORING. REFER TO FINISH PLAN.
- 8 REMOVE WALL COVERINGS FROM WALLS TO RECEIVE NEW FINISHES, AS INDICATED. REMOVE ALL NAILS AND MOUNTING DEVICES FROM EXISTING WALLS, EXCEPT AS NOTED. PATCH AND PREPARE WALLS AS SPECIFIED TO RECEIVE NEW WALL FINISH. REFER TO FINISH PLANS.
- 9 COMPLY WITH TAMU RULES AND REGULATIONS WHEN EXECUTING DEMOLITION, REMOVAL OF DEBRIS AND SCHEDULING OF WORK (INCLUDING OVERTIME HOURS).
- 10 PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO COMPLETE THE DEMOLITION AND REMOVAL OF ITEMS INDICATED OR AS OTHERWISE DIRECTED IN WRITING BY THE ARCHITECT.
- 11 VERIFY EXISTING CONDITIONS AND, IN THE EVENT OF ANY DISCREPANCIES, CONFLICTS OR CONDITIONS OTHER THAN SHOWN, NOTIFY THE ARCHITECT.
- 12 PROTECT EXISTING CONSTRUCTION TO REMAIN INCLUDING, BUT NOT LIMITED TO, PARTITIONS, CEILINGS, FLOORING, WINDOWS, MINIBLINDS, DOORS AND FRAMES, ELEVATORS, ELECTRICAL AND HVAC EQUIPMENT.

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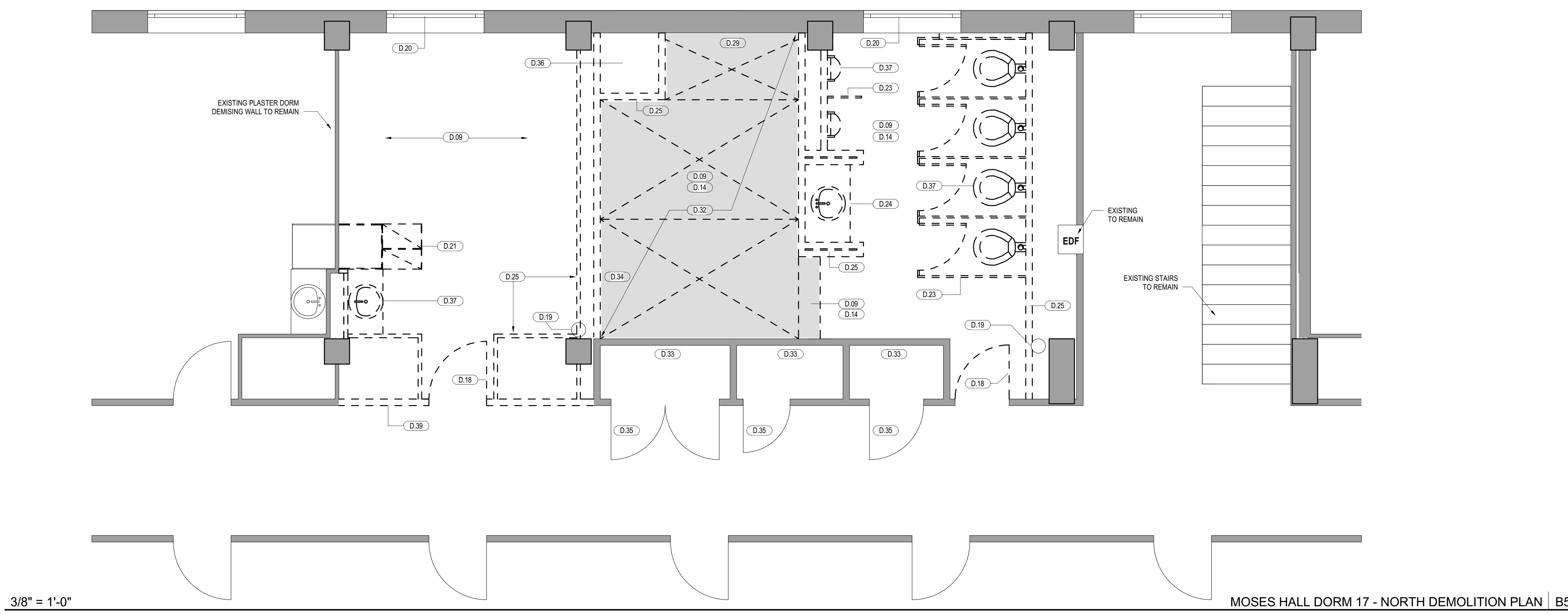
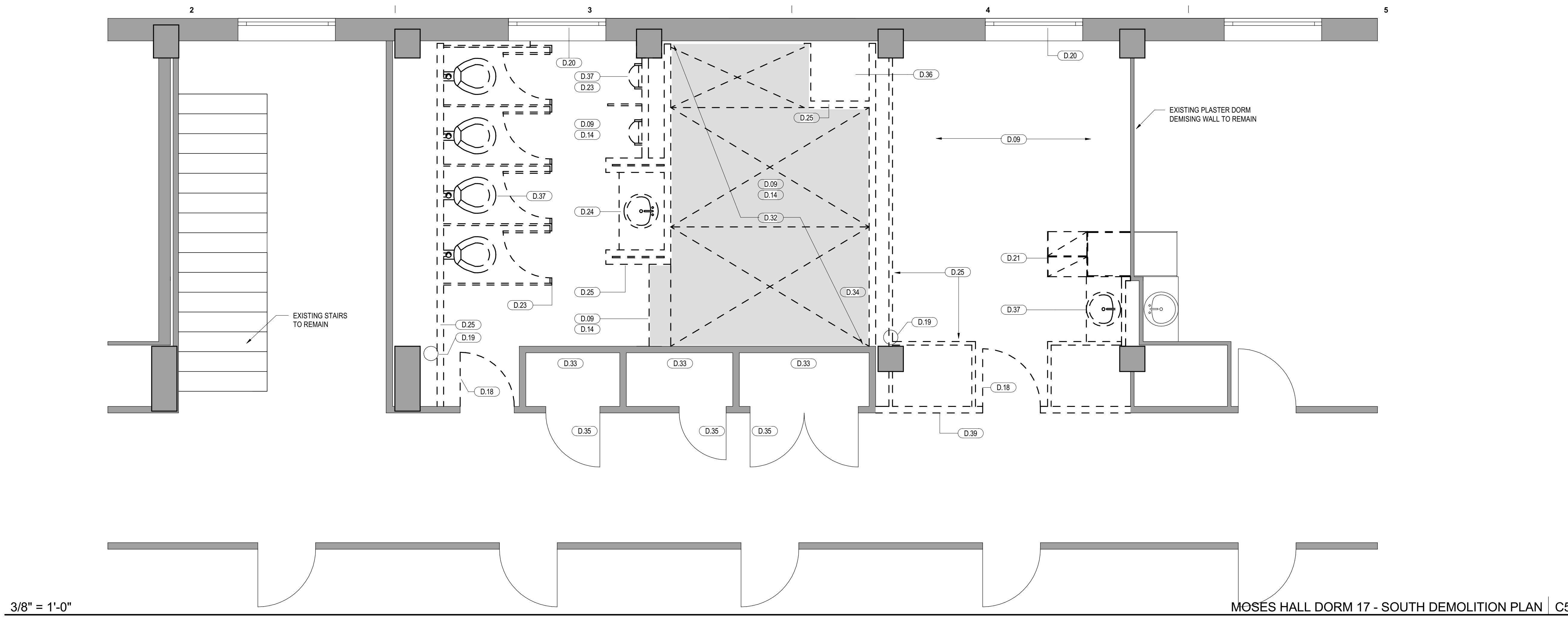


SHEET TITLE
**DEMOLITION FLOOR PLAN -
DAVIS GARY HALL DORM 18**

SHEET NUMBER
D4.80

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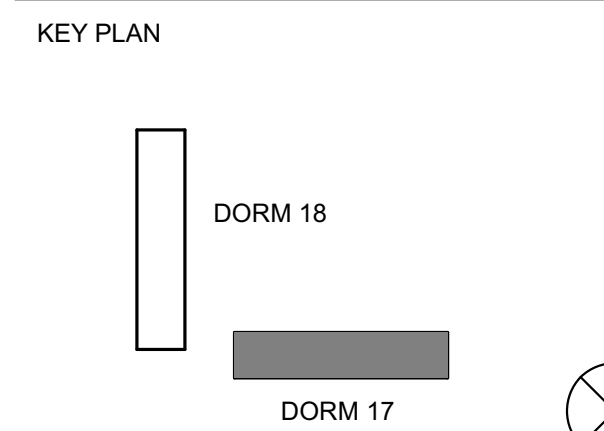


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SHEET TITLE
**DEMOLITION FLOOR PLAN -
MOSES HALL DORM 17**

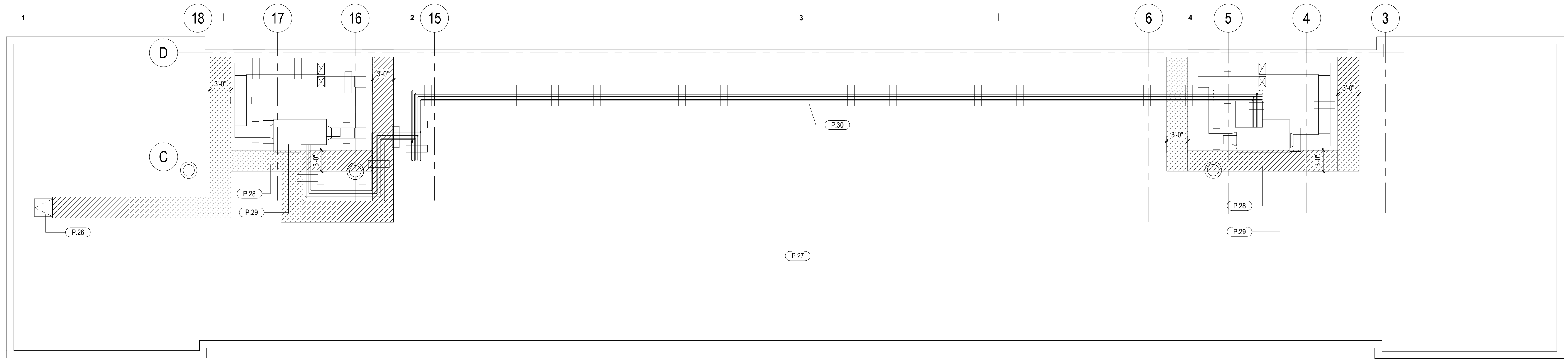
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D4.81

DEMOLITION NOTES

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- D.35** EXISTING DOORS AND FRAMES TO REMAIN
- D.36** REMOVE EXISTING DUCT WORK AND PATCH HOLE - RE STRUCT. DETAIL
- D.37** REMOVE ALL PLUMBING FIXTURES
- D.39** REMOVE EXISTING PLASTER CORRIDOR WALL

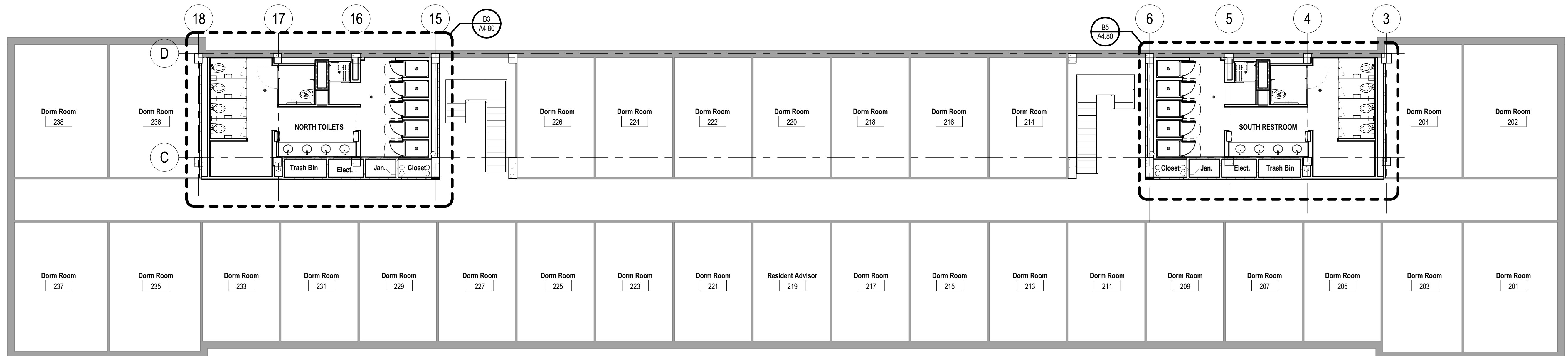
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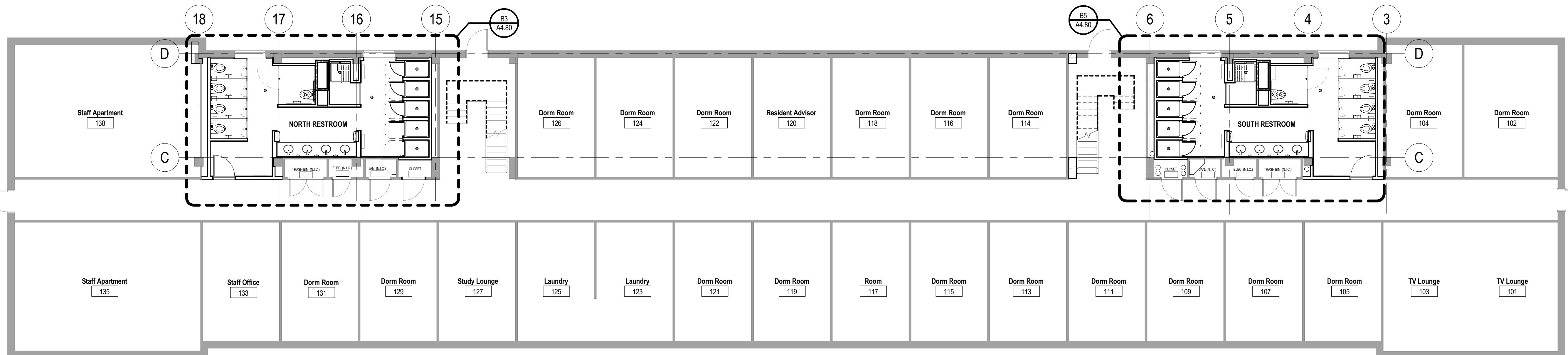
1/8" = 1'-0"

DAVIS-GARY HALL 18 - ROOF PLAN | D5



1/8" = 1'-0"

DAVIS-GARY HALL 18 - LEVEL 2 - 4 FLOOR PLAN | C5



1/8" = 1'-0"

DAVIS-GARY HALL 18 - LEVEL 1 FLOOR PLAN | B5

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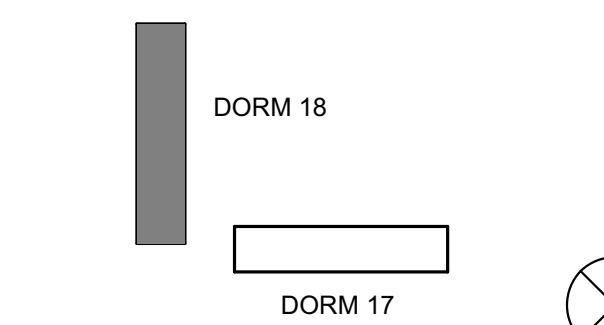
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DORMITORY RESTROOM
RENOVATION**

PROJECT ADDRESS
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77843**

KIRKSEY PROJECT NO. 2017228

KEY PLAN



SHEET TITLE
**COMPOSITE FLOOR PLANS -
DAVIS GARY HALL DORM 18**

SHEET NUMBER

A1.20

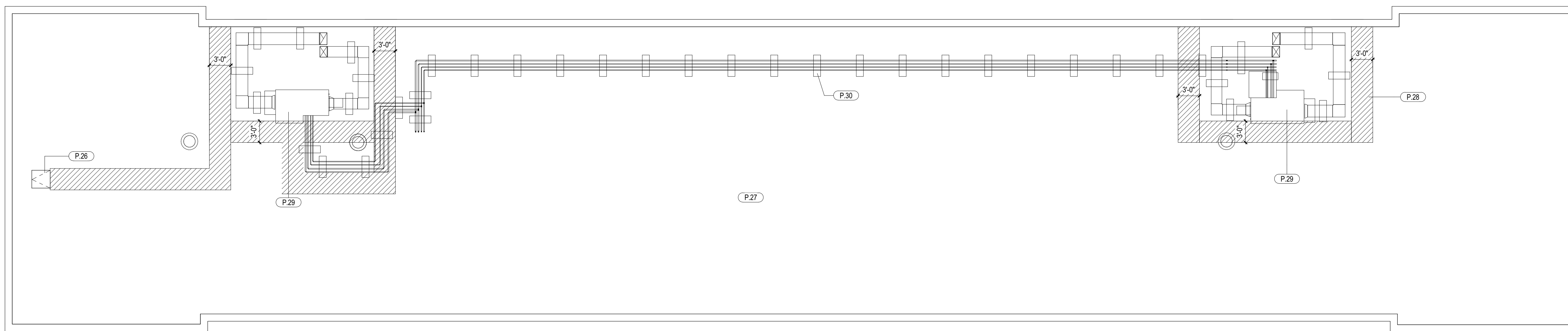
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SHEET NOTES

- P.26 EXISTING ROOF HATCH TO REMAIN
- P.27 EXISTING ROOFING TO REMAIN
- P.28 NEW WALK PADS TO BE COMPATIBLE WITH EXISTING ROOFING MEMBRANE.
- P.29 NEW AHU & DUCTWORK, RE-MEP DIVS
- P.30 PROVIDE PROTECTIVE ROOF MEMBRANE AT EACH PIPE SUPPORT RACK.

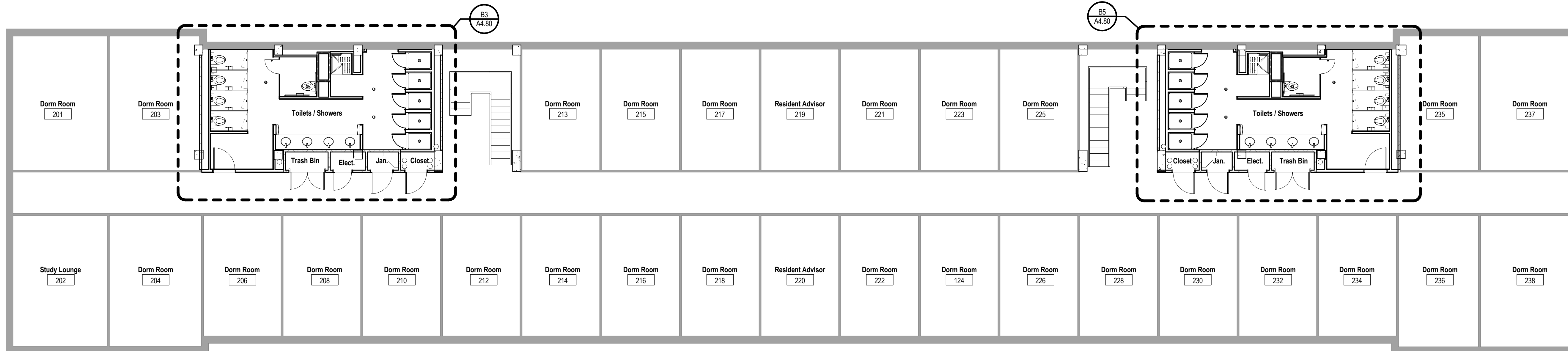
GENERAL NOTES

- 1 REFER TO ENLARGED PLANS & PARTITION DETAILS FOR PARTITION TYPES.
- 2 REFER TO MASTER SCHEDULE FOR FINISH AND PRODUCT BASIS OF DESIGN.
- 3 DIMENSIONS: DIMENSIONS ARE TO FINISH FACE OF MATERIAL, UNLESS NOTED OTHERWISE. DIMENSIONS TO EXTERIOR WALLS ARE TO FINISHED FACE OF SILL WALL. CLEAR DIMENSIONS SHALL NOT VARY AND ARE MEASURED AT THE FLOOR LINE.
- 4 PARTITIONS: NEW PARTITIONS ARE TO BE PERPENDICULAR OR PARALLEL WITH CORE OR EXTERIOR WINDOW WALL ELEMENTS, UNLESS NOTED OTHERWISE.
- 5 DOOR: HINGE SIDE OF DOORS TO BE LOCATED 4" FROM NEAREST PERPENDICULAR PARTITION, UNLESS DIMENSIONED OTHERWISE.
- 6 CONTROL JOINTS SHOULD ALIGN WITH COLUMN LINE. REFER TO SPECIFICATIONS FOR MAX AREA BETWEEN CONTROL JOINTS.
- 7 CONCEALED SPRINKLER HEAD COVERS TO MATCH COLOR OF CEILING
- 8 CONTRACTOR SHALL INSPECT THE WORK AREA AFTER DEMOLITION TO VERIFY EXISTING CONDITIONS AS THEY RELATE TO THE RENOVATION SCOPE OF WORK. CONTRACTOR SHALL CONTACT THE ARCHITECT TO REPORT ANY DIMENSIONAL DISCREPANCIES IMMEDIATELY FOR DETERMINATION OF REVISION IF REQUIRED.
- 9 FOR EXISTING PARTITIONS TO REMAIN, PATCH AND REPAIR TO LIKE NEW-CONDITION.
- 10 NEW CONSTRUCTION THAT MEETS EXISTING CONSTRUCTION IN THE SAME PLANE SHALL BE FLUSH.
- 11 GENERAL CONTRACTOR TO VERIFY THAT ALL EXISTING DEMISING ELECTRICAL ROOM WALLS ARE FULL HEIGHT TO DECK. ADD PARTITION INFILL MATCHING EXISTING CONDITION AT AREAS WHERE EXISTING PARTITION DO NOT EXTEND TO DECK. NOTIFY ARCHITECT IMMEDIATELY IF ANY OTHER WALLS EXTEND TO DECK.



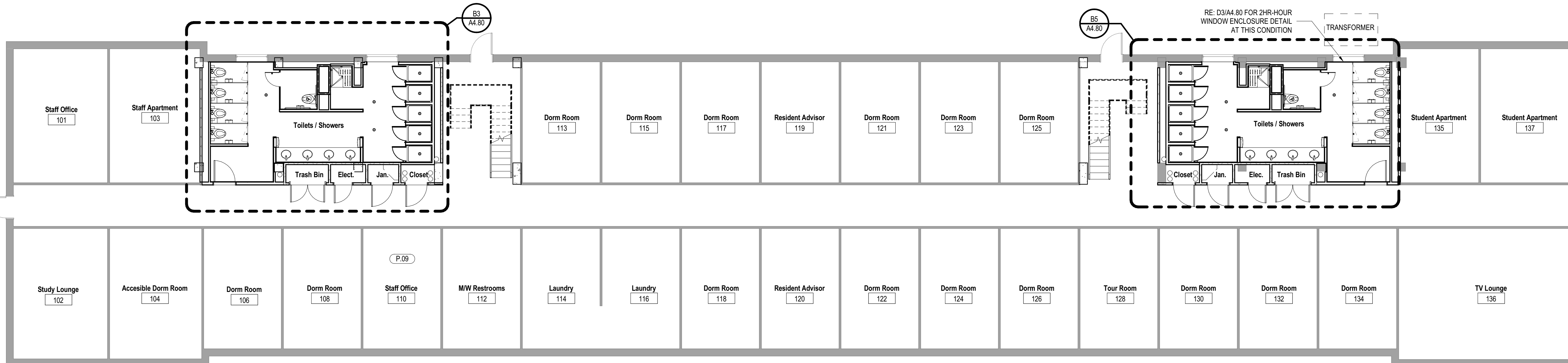
1/8" = 1'-0"

MOSES HALL DORM 17 - ROOF PLAN | D5



1/8" = 1'-0"

MOSES HALL DORM 17 - LEVEL 2 - 4 FLOOR PLAN | C5



1/8" = 1'-0"

MOSES HALL DORM 17 - LEVEL 1 FLOOR PLAN | B5

SHEET NOTES

- P.09** STAFF OFFICE TO BE RELOCATED TO THIS ROOM FROM ROOM 105. NOW TAKEN BY THE EXPANSION SHOWER ROOM. REFER TO ELECTRICAL AND TECHNOLOGY DWGS. FOR ADDED POWER AND DATA SCOPE OF WORK.
- P.26** EXISTING ROOF HATCH TO REMAIN
- P.27** EXISTING ROOFING TO REMAIN
- P.28** NEW WALK PADS TO BE COMPATIBLE WITH EXISTING ROOFING MEMBRANE.
- P.29** NEW AHU & DUCTWORK. - RE. MEP DWGS
- P.30** PROVIDE PROTECTIVE ROOF MEMBRANE AT EACH PIPE SUPPORT RACK.

GENERAL NOTES

- TENANT IMPROVEMENTS: GENERAL CONTRACTOR TO VERIFY THAT ALL EXISTING DEMISING AND SERVER ROOM WALLS ARE FULL HEIGHT TO DECK. ADD PARTITION INFILL MATCHING EXISTING CONDITION AT AREAS WHERE EXISTING PARTITION DO NOT EXTEND TO DECK. NOTIFY ARCHITECT IMMEDIATELY IF ANY OTHER WALLS EXTEND TO DECK.
- TENANT IMPROVEMENTS: REPLACE ALL DOOR HARDWARE WITH LEVER HARDWARE IN ACCORDANCE WITH BUILDING STANDARDS. REUSE BALANCE OF HARDWARE TO GREATEST EXTENT POSSIBLE.
- 1 REFER TO ENLARGED PLANS & PARTITION DETAILS FOR PARTITION TYPES.
- 2 REFER TO MASTER SCHEDULE FOR FINISH AND PRODUCT BASIS OF DESIGN.
- 3 DIMENSIONS: DIMENSIONS ARE TO FINISH FACE OF MATERIAL, UNLESS NOTED OTHERWISE. DIMENSIONS TO EXTERIOR WALLS ARE TO FINISHED FACE OF SILL WALL. CLEAR DIMENSIONS SHALL NOT VARY AND ARE MEASURED AT THE FLOOR LINE.
- 4 PARTITIONS: NEW PARTITIONS ARE TO BE PERPENDICULAR OR PARALLEL WITH CORE OR EXTERIOR WINDOW WALL ELEMENTS, UNLESS NOTED OTHERWISE. CENTER PARTITIONS ON COLUMNS OR MULLIONS, UNLESS NOTED OTHERWISE.
- 5 DOOR: HINGE SIDE OF DOORS TO BE LOCATED 4" FROM NEAREST PERPENDICULAR PARTITION, UNLESS NOTED OTHERWISE.
- 6 CONTROL JOINTS SHOULD ALIGN WITH COLUMN LINE. REFER TO SPECIFICATIONS FOR MAX AREA BETWEEN CONTROL JOINTS.
- 7 CONCEALED SPRINKLER HEAD COVERS TO MATCH COLOR OF CEILING
- 8 CONTRACTOR SHALL INSPECT THE WORK AREA AFTER DEMOLITION TO VERIFY EXISTING CONDITIONS AS THEY RELATE TO THE RENOVATION SCOPE OF WORK. CONTRACTOR SHALL CONTACT THE ARCHITECT TO REPORT ANY DIMENSIONAL DISCREPANCIES IMMEDIATELY FOR DETERMINATION OF REVISION IF REQUIRED.
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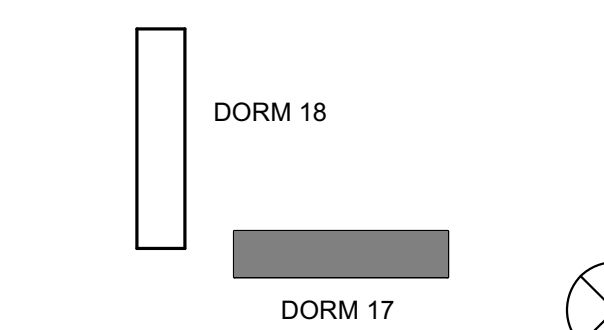
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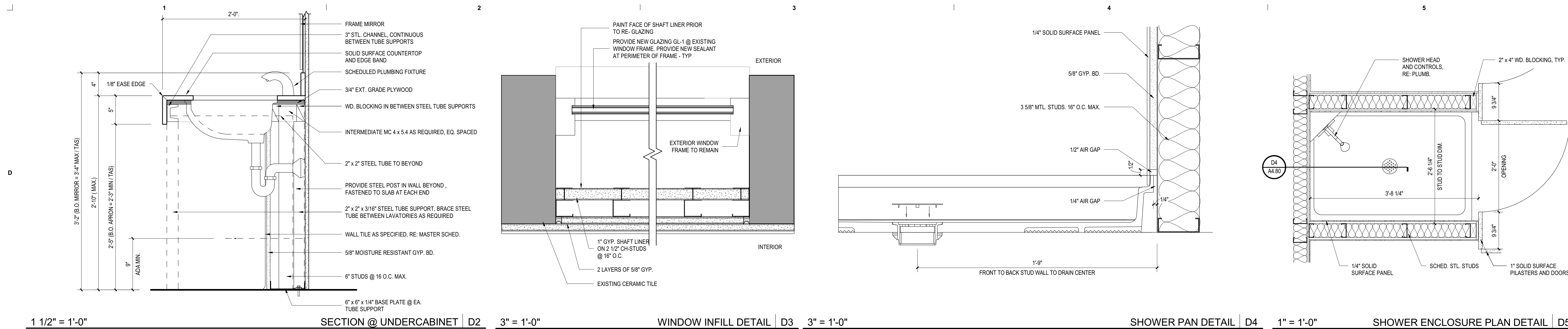
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KIRKSEY PROJECT NO. 2017228
KEY PLAN

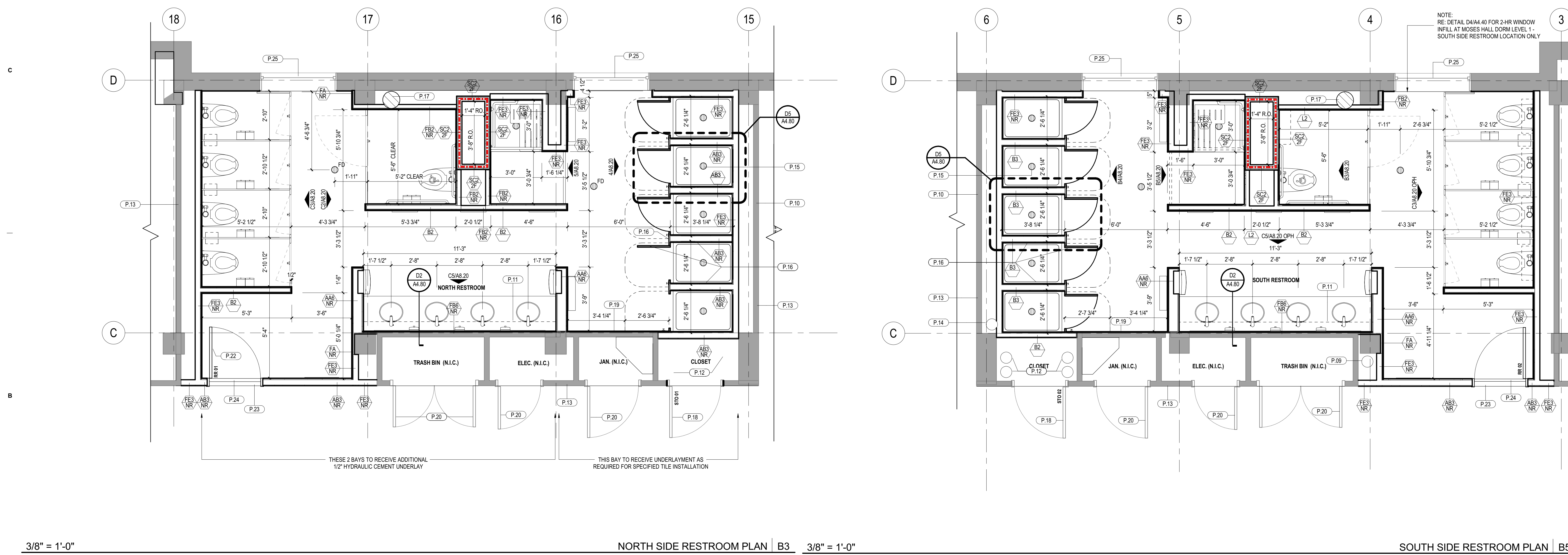


SHEET TITLE
**COMPOSITE FLOOR PLANS -
MOSES HALL DORM 17**

SHEET NUMBER
A1.21



1 1/2" = 1'-0" SECTION @ UNDERCABINET | D2 3" = 1'-0" WINDOW INFILL DETAIL | D3 3" = 1'-0" SHOWER PAN DETAIL | D4 1" = 1'-0" SHOWER ENCLOSURE PLAN DETAIL | D5



3/8" = 1'-0" NORTH SIDE RESTROOM PLAN | B3 3/8" = 1'-0" SOUTH SIDE RESTROOM PLAN | B5

SHEET NOTES

- P.09 EXISTING ROOF DRAIN TO REMAIN
- P.10 EXISTING DEMISING WALL TO REMAIN
- P.11 SCHED. PARTITION BELOW COUNTERTOP (6" STD.) - ROUTE PLUMBING TO SIDE WALLS
- P.12 NEW SLAB CORES - RE. STRUCT & MEP DWGS.
- P.13 EXISTING WALLS TO REMAIN ARE SHOWN SHADED
- P.14 EXISTING ROOF DRAIN TO REMAIN, CONTRACTOR TO VERIFY LOCATION FOR COORDINATION WITH SHOWER ENCLOSURES
- P.15 SHOWER DRAINS 8" DIA. CORE-DRILLED HOLES (TYP). COORDINATE LOCATIONS W/ SHOWER PAN FABRICATOR
- P.16 NEW SOLID SURFACE SHOWER ENCLOSURES
- P.17 INFILL EXISTING DUCT OPENING IN SLAB - RE. STRUCT DWGS.
- P.18 NEW HOLLOW METAL DOOR AND FRAME, -RE. DOOR SCHED.
- P.19 EXISTING TILE & CMU PARTITION TO REMAIN, PROVIDE NEW TILE FINISH - RE. FINISH PLANS
- P.20 EXISTING DOORS TO REMAIN
- P.21 NEW PLAM DOOR AND HOLLOW METAL FRAME
- P.22 INFILL THRESHOLD W/ VCT TO MATCH EXISTING COORDIOR BORDER VCT
- P.23 SCHED STONE THRESHOLD - RESTROOM SIDE
- P.24 NEW WINDOW GLAZING (GL-1) RE MASTER SCHEDULE

GENERAL NOTES

- 1 REFER TO ENLARGED PLANS & PARTITION DETAILS FOR PARTITION TYPES.
- 2 REFER TO MASTER SCHEDULE FOR FINISH AND PRODUCT BASIS OF DESIGN.
- 3 DIMENSIONS: DIMENSIONS ARE TO FINISH FACE OF MATERIAL, UNLESS NOTED OTHERWISE. DIMENSIONS TO EXTERIOR WALLS ARE TO FINISHED FACE OF SILL WALL. CLEAR DIMENSIONS SHALL NOT VARY AND ARE MEASURED AT THE FLOOR LINE.
- 4 PARTITIONS: NEW PARTITIONS ARE TO BE PERPENDICULAR OR PARALLEL WITH CORE OR EXTERIOR WINDOW WALL ELEMENTS, UNLESS NOTED OTHERWISE.
- 5 DOOR: HINGE SIDE OF DOORS TO BE LOCATED 4" FROM NEAREST PERPENDICULAR PARTITION, UNLESS DIMENSIONED OTHERWISE.
- 6 CONTROL JOINTS SHOULD ALIGN WITH COLUMN LINE. REFER TO SPECIFICATIONS FOR MAX AREA BETWEEN CONTROL JOINTS.
- 7 CONCEALED SPRINKLER HEAD COVERS TO MATCH COLOR OF CEILING
- 8 CONTRACTOR SHALL INSPECT THE WORK AREA AFTER DEMOLITION TO VERIFY EXISTING CONDITIONS AS THEY RELATE TO THE RENOVATION SCOPE OF WORK, CONTRACTOR SHALL CONTACT THE ARCHITECT TO REPORT ANY DIMENSIONAL DISCREPANCIES IMMEDIATELY FOR DETERMINATION OF REVISION IF REQUIRED.
- 9 FOR EXISTING PARTITIONS TO REMAIN, PATCH AND REPAIR TO LIKE NEW-CONDITION.
- 10 NEW CONSTRUCTION THAT MEETS EXISTING CONSTRUCTION IN THE SAME PLANE SHALL BE FLUSH.
- 11 GENERAL CONTRACTOR TO VERIFY THAT ALL EXISTING DEMISING ELECTRICAL ROOM WALLS ARE FULL HEIGHT TO DECK. ADD PARTITION INFILL MATCHING EXISTING CONDITION AT AREAS WHERE EXISTING PARTITION DO NOT EXTEND TO DECK. NOTIFY ARCHITECT IMMEDIATELY IF ANY OTHER WALLS EXTEND TO DECK.

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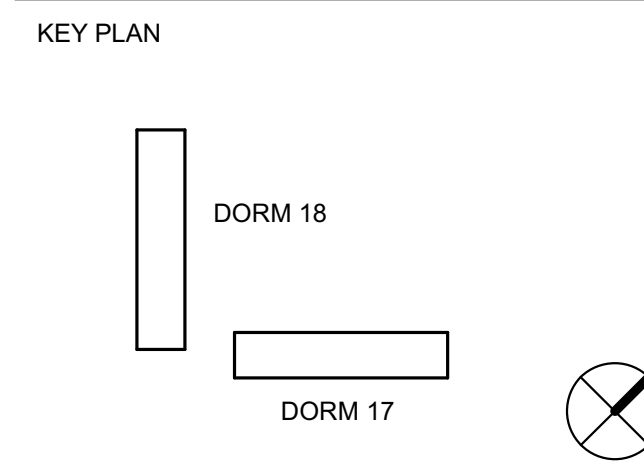
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DAVID L. MCLEMORE 12/21/2017

DATE	ISSUE
A	12/21/2017 ISSUE FOR BID AND OWNER REVIEW

PROJECT NAME
TAMU MOSES & DAVIS-GARY DORMITORY RESTROOM RENOVATION

PROJECT ADDRESS
COLLEGE STATION, TEXAS 77843

KIRKSEY PROJECT NO. **2017228**

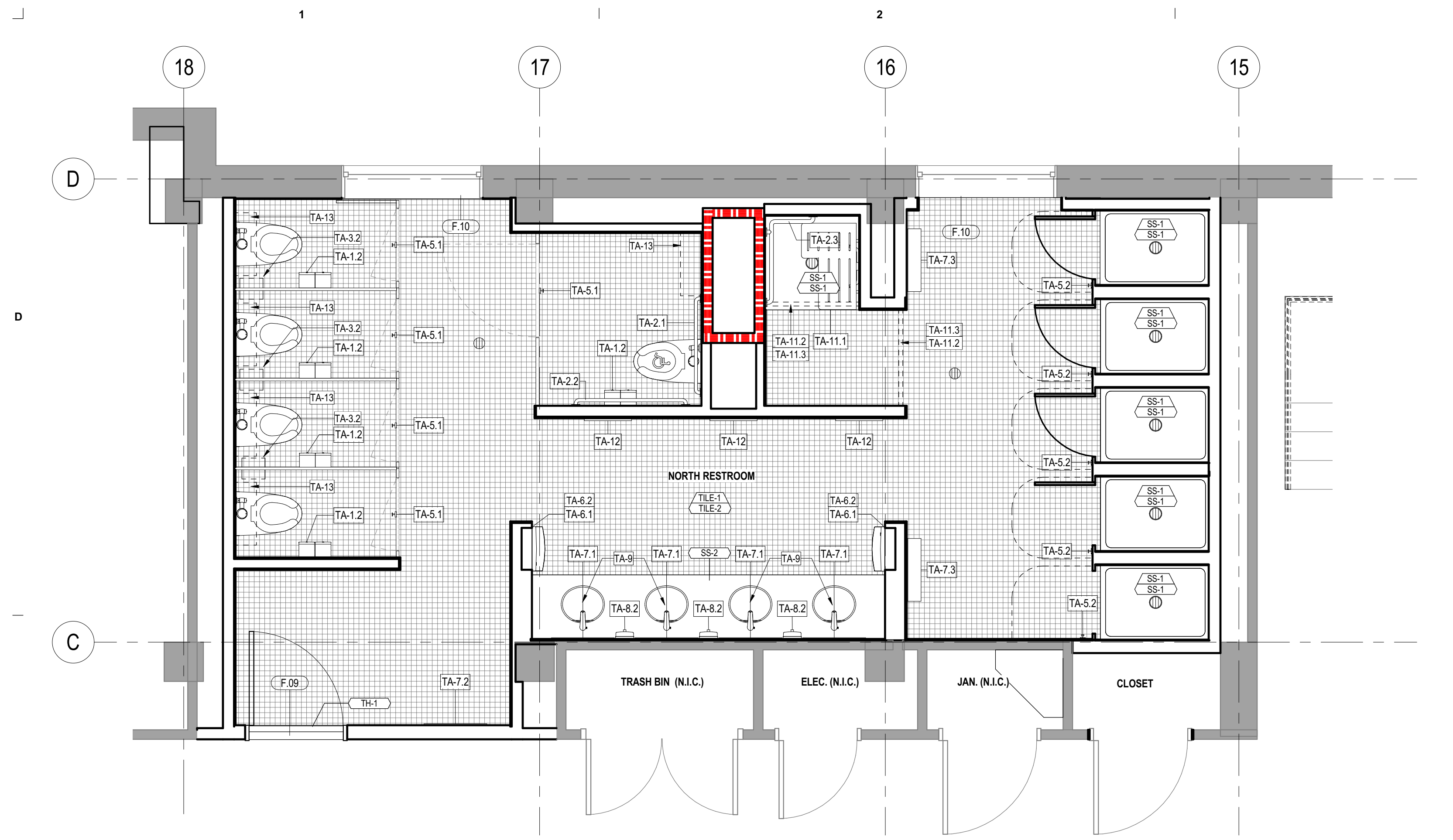


SHEET TITLE
RESTROOM FLOOR PLANS & DETAILS

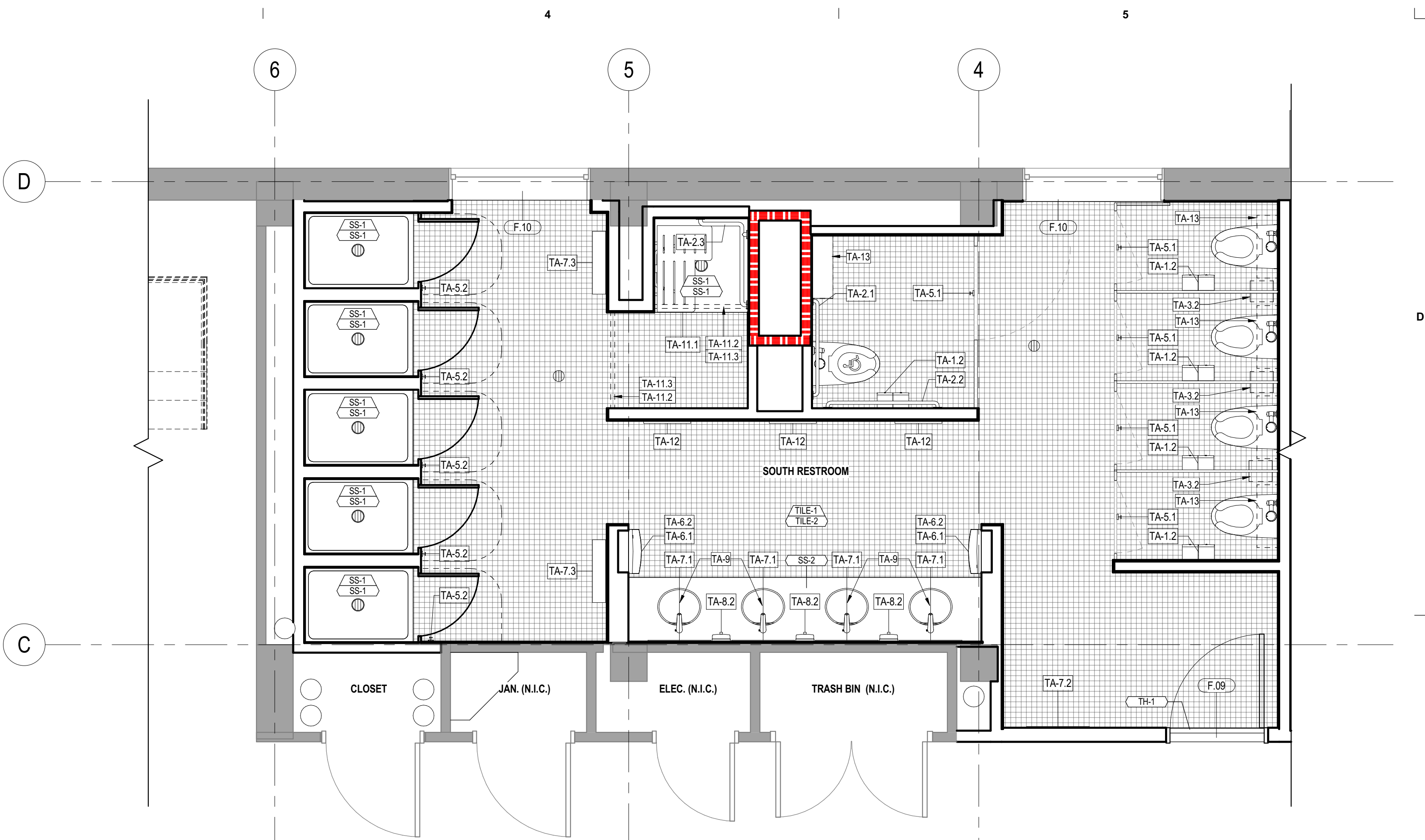
SHEET NUMBER
A4.80

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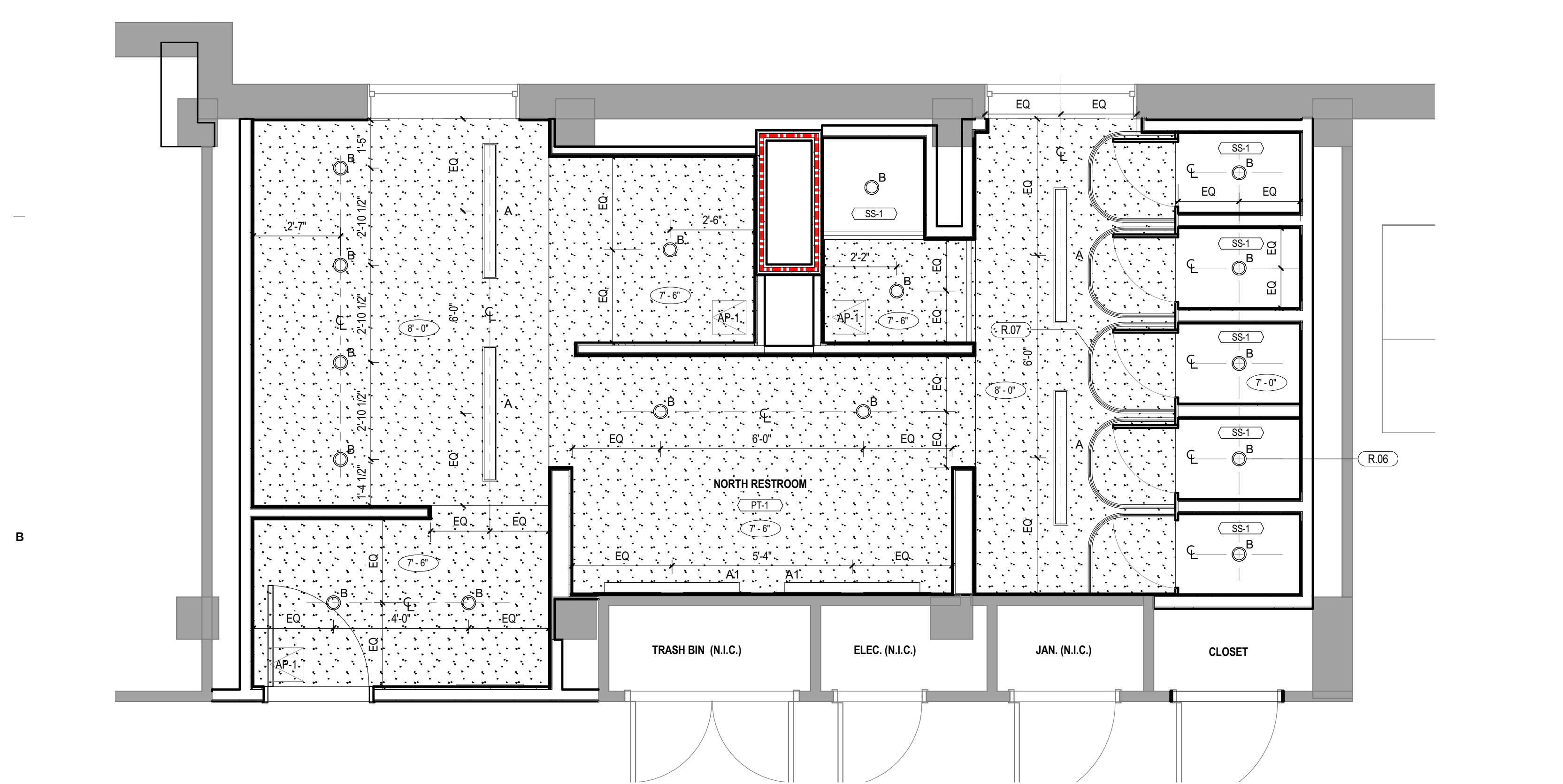
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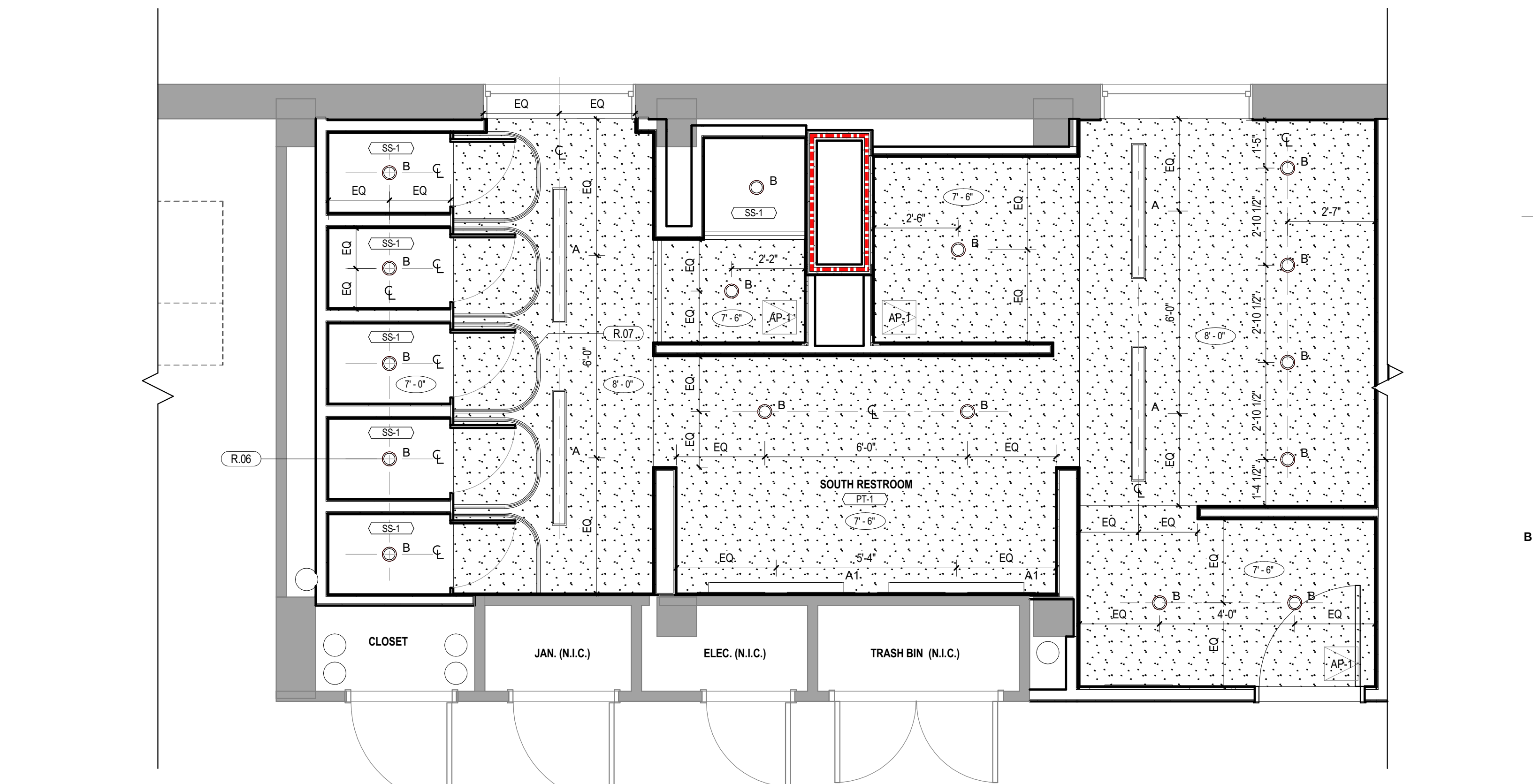
3/8" = 1'-0" NORTH SIDE RESTROOM FINISH PLAN | C3



3/8" = 1'-0" SOUTH SIDE RESTROOM FINISH PLAN | C5



3/8" = 1'-0" NORTH SIDE RESTROOM RCP | B3



3/8" = 1'-0" SOUTH SIDE RESTROOM RCP | B5

SHEET NOTES

- F.00 INFILL MISSING VCT WITH MORE VCT TO MATCH CORRIDOR BORDER COLOR
- F.10 SS-2 SILL
- R.06 SHOWER STALL LIGHT FIXTURES SHALL BE CENTERED WITHIN STALL. TYPICAL COORDINATE WITH STALL FABRICATOR FOR EXACT LOCATION.
- R.07 CUBICLE CURTAIN TRACK, DRP-1

RCP GENERAL NOTES

- 1 REFER TO MASTER SCHEDULE FOR FINISH AND PRODUCT BASIS OF DESIGN.
- 2 TYPICAL CEILING HEIGHT TO BE 8'-0" THROUGHOUT, UNLESS NOTED OTHERWISE.
- 3 REFLECTED CEILING PLAN IS FOR LIGHTING LOCATION AND ARCHITECTURAL NOTES ONLY. REFER TO ENGINEER'S ELECTRICAL LIGHTING PLAN FOR SWITCHING, CIRCUITING.
- 4 REFER TO MECHANICAL PLAN FOR SUPPLY REGISTERS AND RETURN AIR GRILLE LOCATIONS, UNLESS NOTED OTHERWISE.
- 5 NEW LIGHT SWITCHES SHALL BE GANGED IF MORE THAN ONE IS NOTED.
- 6 NEW MEP EQUIPMENT (I.E. HVAC UNITS, DUCTWORK, PLUMBING, ELECTRICAL) SHALL BE LOCATED SO AS NOT TO INTERFERE WITH OTHER PORTIONS OF NEW CONSTRUCTION.

FINISH PLAN GENERAL NOTES

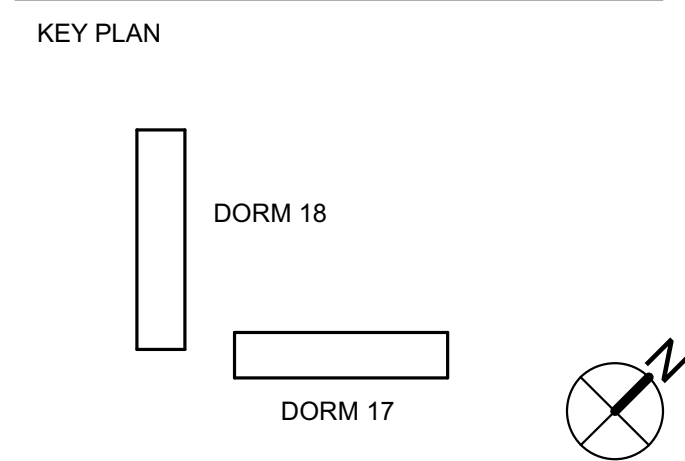
- 1 REFER TO MASTER SCHEDULE FOR FINISH AND PRODUCT BASIS OF DESIGN.
- 2 ALL WALLS TO BE TILE-1, UNLESS NOTED OTHERWISE.
- 3 ALL BASES TO BE TILE-1, UNLESS NOTED OTHERWISE.
- 4 ALL FLOORS TO BE TILE-2, UNLESS NOTED OTHERWISE.
- 5 TRANSITION BETWEEN TWO DISSIMILAR FLOOR FINISHES IS TO OCCUR AT THE CENTERLINE OF DOOR OR Cased OPENING, UNLESS OTHERWISE NOTED.
- 6 FLOAT FLOORS TO INSURE TOP OF FINISHES ARE FLUSH.
- 7 ALL REVEALS TO BE PAINTED TO MATCH ADJACENT WALLS, UNLESS OTHERWISE NOTED.
- 8 GRAPHICS AND SIGNAGE INSTALLED BY OTHERS, UNLESS NOTED OTHERWISE.

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PROJECT ADDRESS
COLLEGE STATION, TEXAS 77843

KIRKSEY PROJECT NO. **2017228**



SHEET TITLE
RESTROOM FINISH & REFLECTED CEILING PLANS

SHEET NUMBER
A4.81

DOOR SCHEDULE

NO.	DOOR				NO. OF LEAVES	FRAME			DETAILS				COMMENTS	Phase Created
	TYPE	FINISH	WIDTH	HEIGHT		TYPE	FINISH	ELEVATION	HEAD RE:	JAMB RE:	SILL RE:	HDWR. NO		
RR 01	A1	PT-#	3'-0"	6'-10"	1	A1	PT-#							New Construction
RR 02	A1	PT-#	3'-0"	6'-10"	1	A1	PT-#							New Construction

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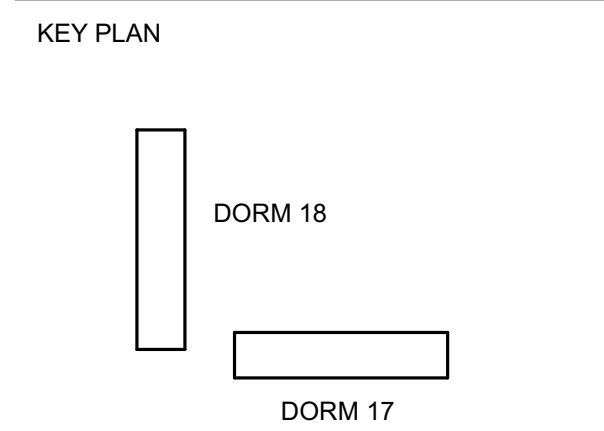
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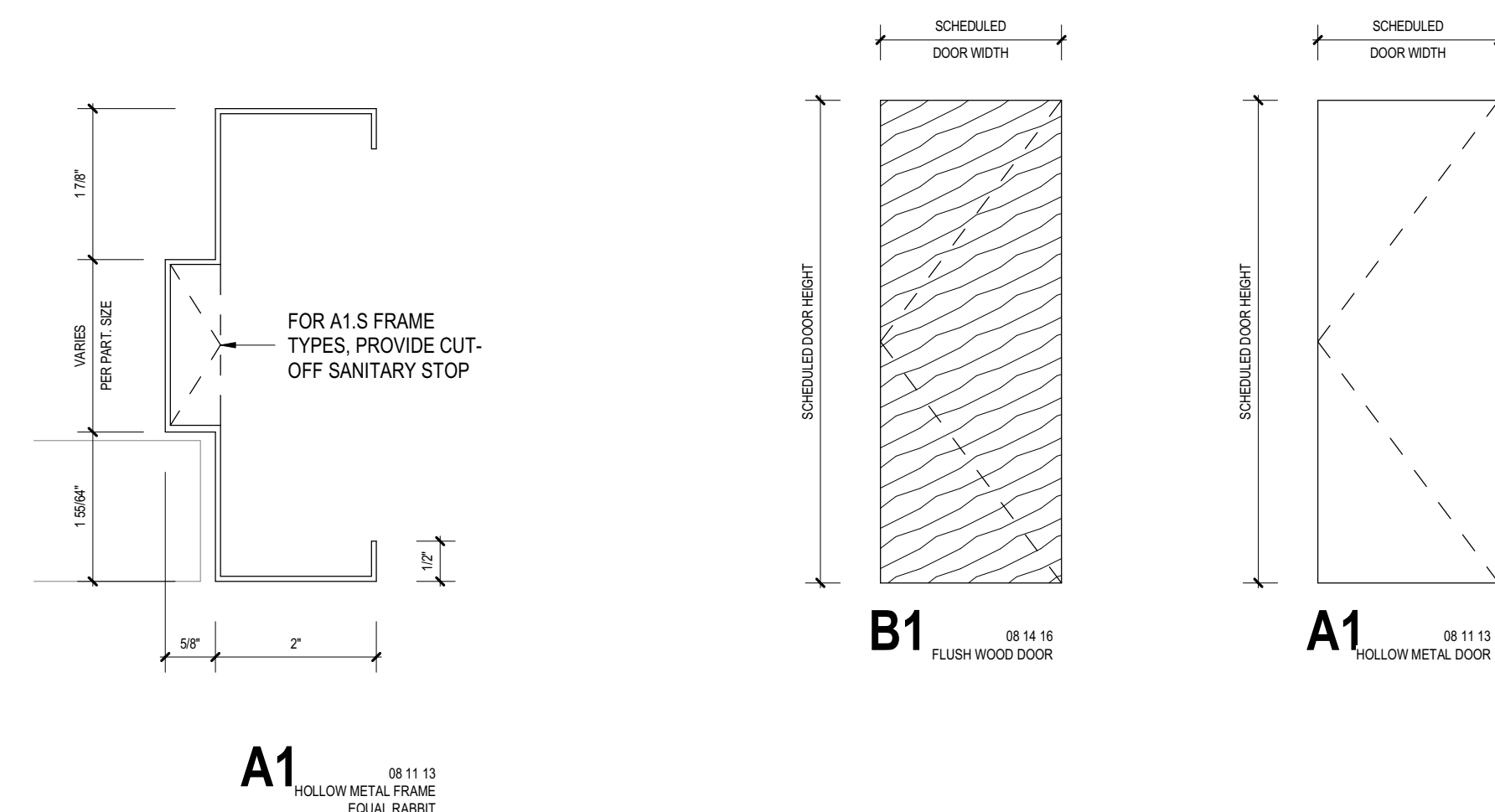
PROJECT ADDRESS
**COLLEGE STATION, TEXAS
77843**

KIRKSEY PROJECT NO. **2017228**



SHEET TITLE
**DOOR DETAILS, TYPES, &
SCHEDULE**

SHEET NUMBER
A6.20



6" = 1'-0"

FRAME TYPES | A4

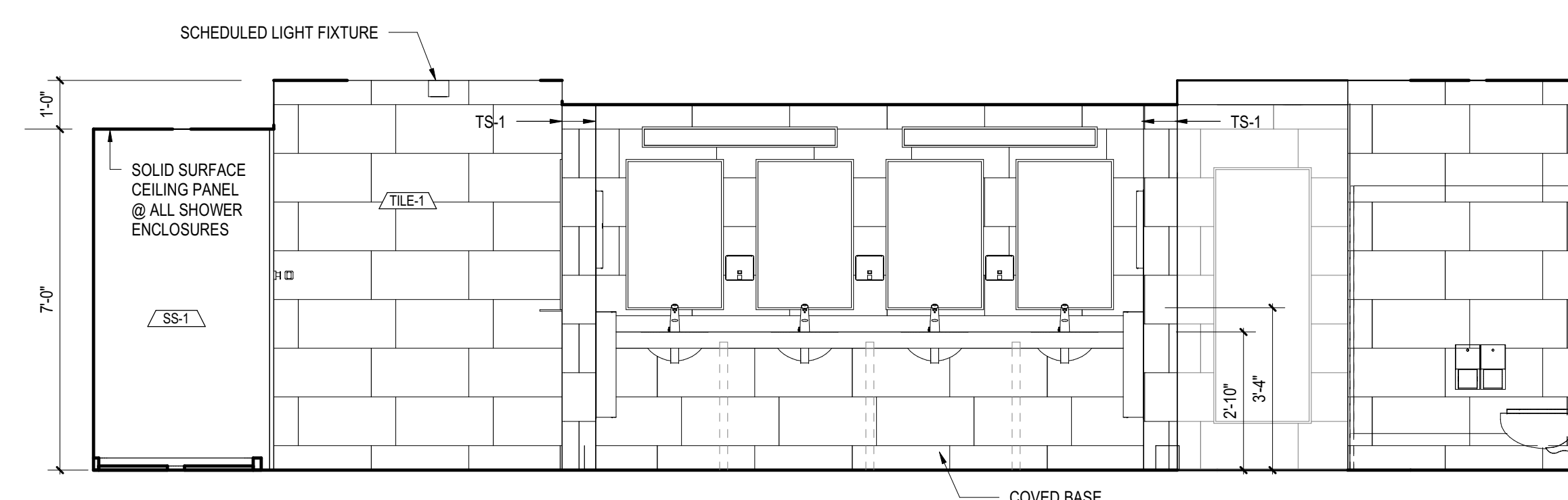
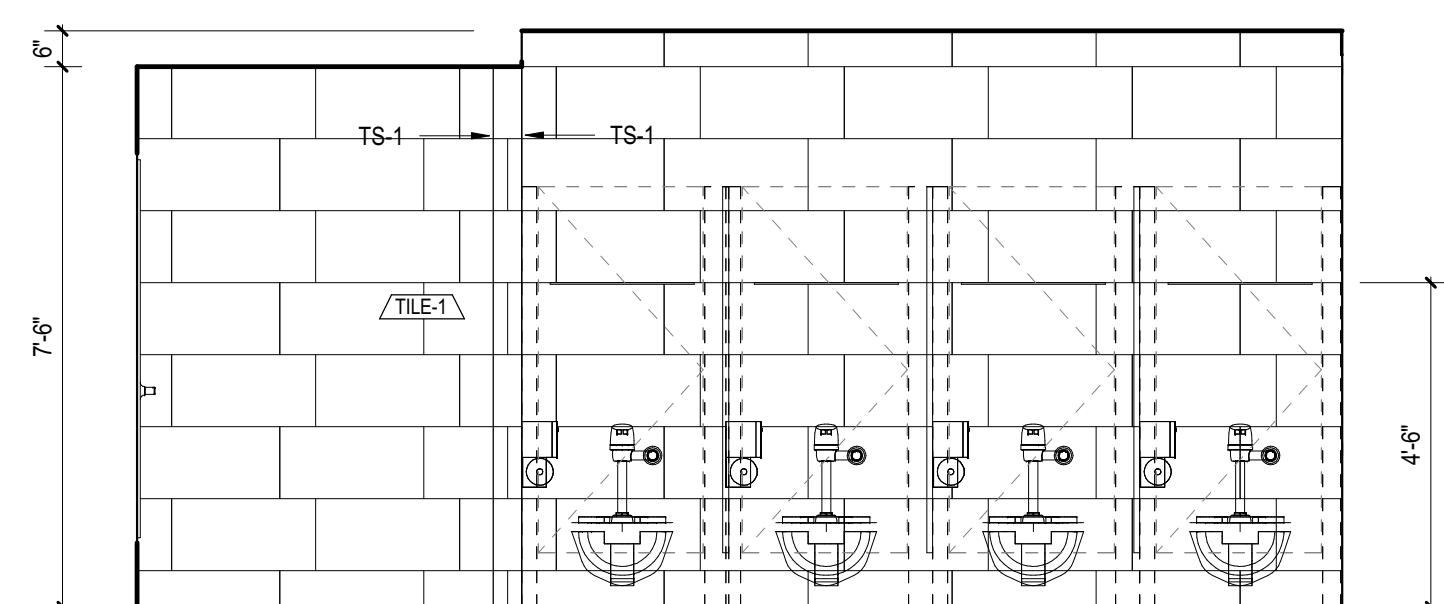
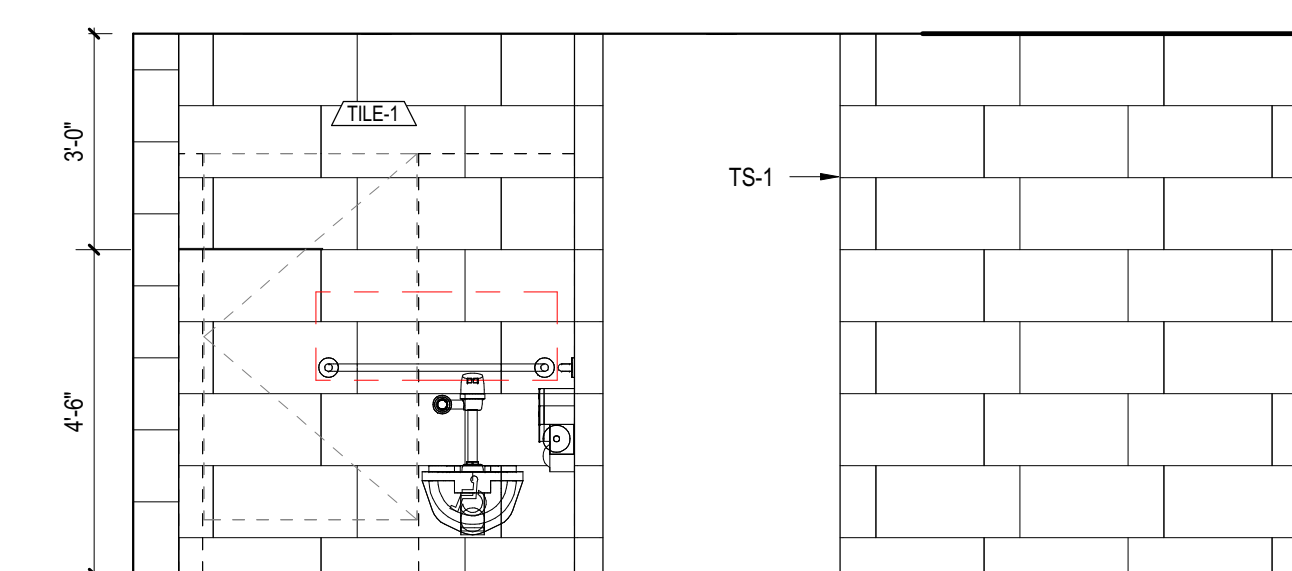
3/8" = 1'-0"

DOOR TYPES | A5

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3/8" = 1'-0"

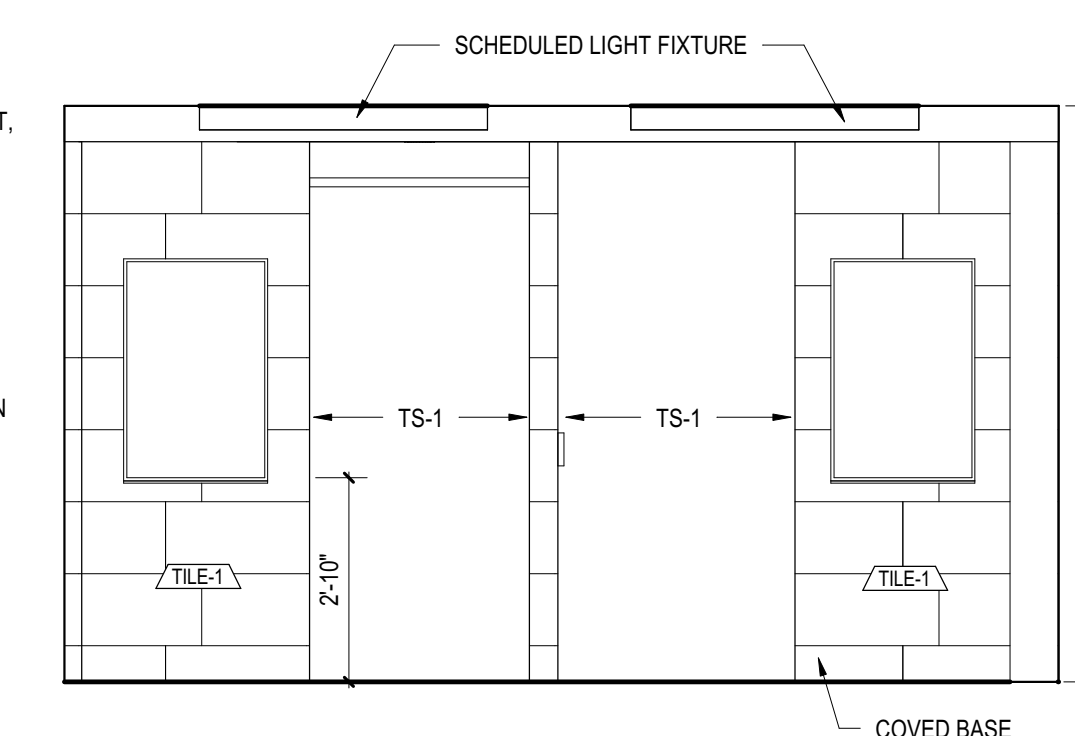
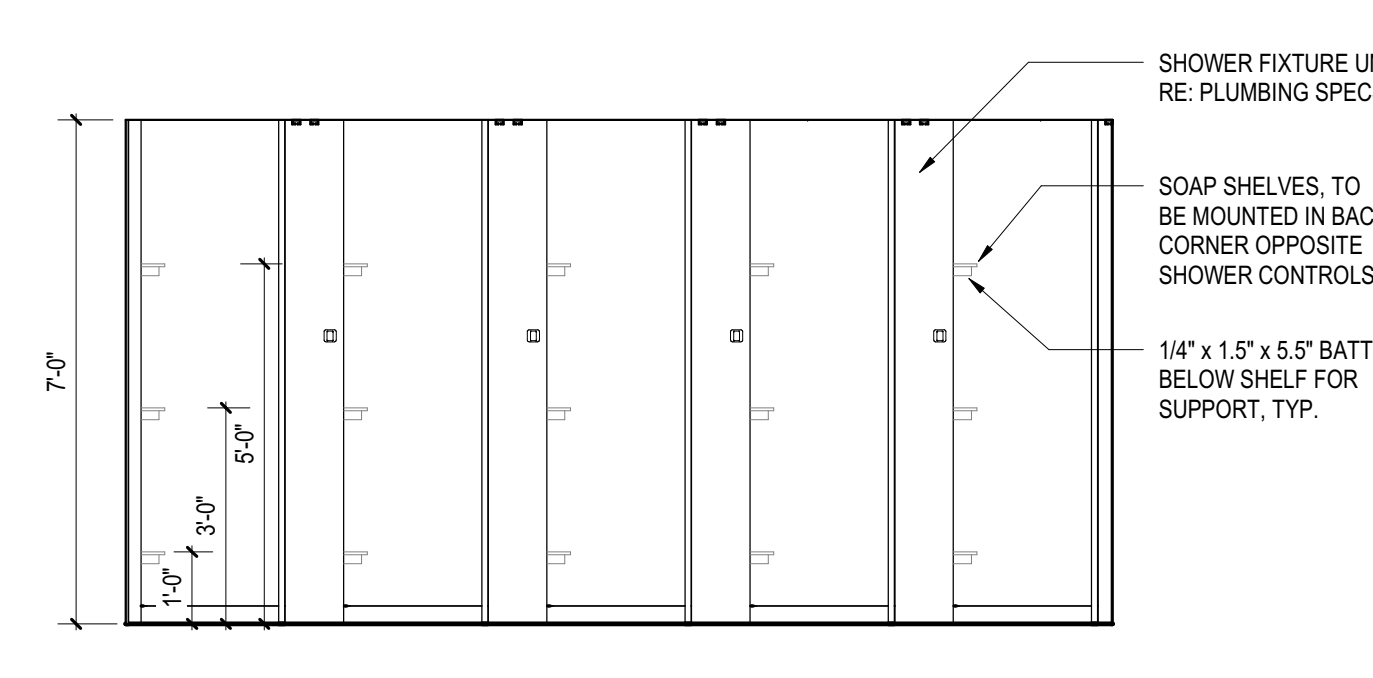
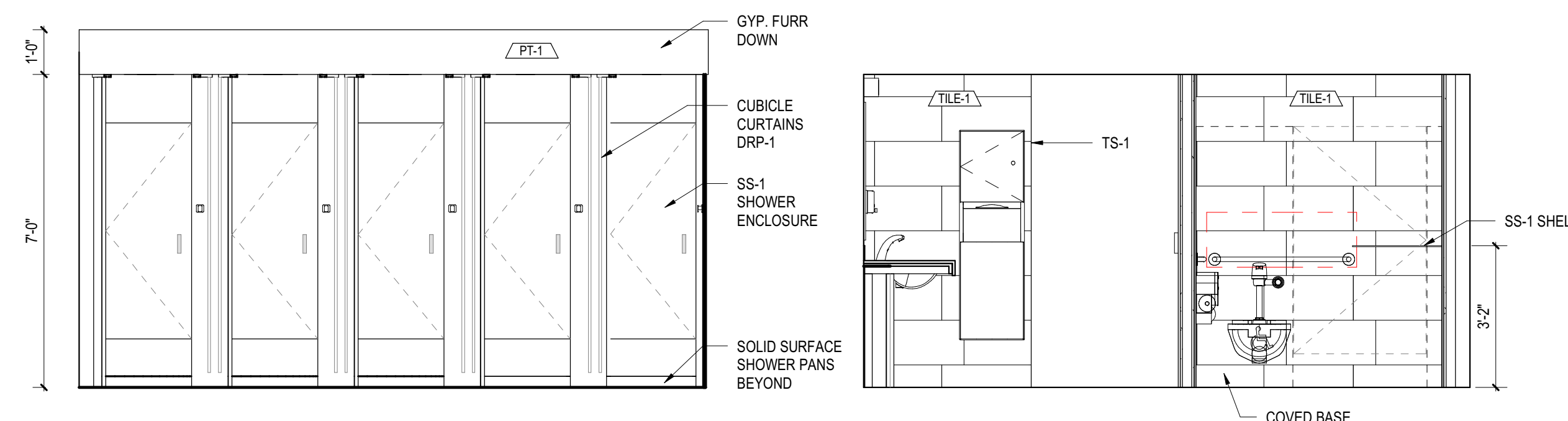
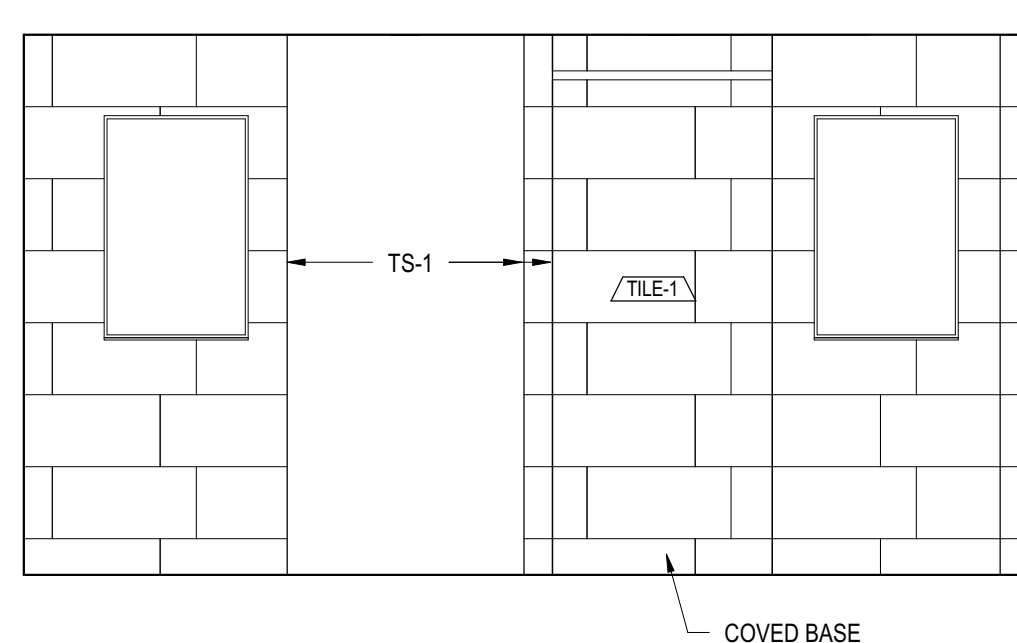
NORTH RR ELEVATION E | C2

3/8" = 1'-0"

NORTH RR ELEVATION D | C3

3/8" = 1'-0"

NORTH RR ELEVATION C | C5



3/8" = 1'-0"

NORTH RR ELEVATION B | 5

3/8" = 1'-0"

NORTH RR ELEVATION A | 4

3/8" = 1'-0"

SOUTH RR ELEVATION E | B3

3/8" = 1'-0"

SOUTH RR ELEVATION D | B4

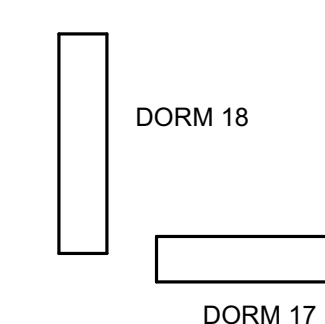
3/8" = 1'-0"

SOUTH RR ELEVATION C | B5

PROJECT NAME
**TAMU MOSES & DAVIS-GARY
DORMITORY RESTROOM
RENOVATION**

PROJECT ADDRESS
**COLLEGE STATION, TEXAS
77843**

KIRKSEY PROJECT NO. **2017228**
KEY PLAN



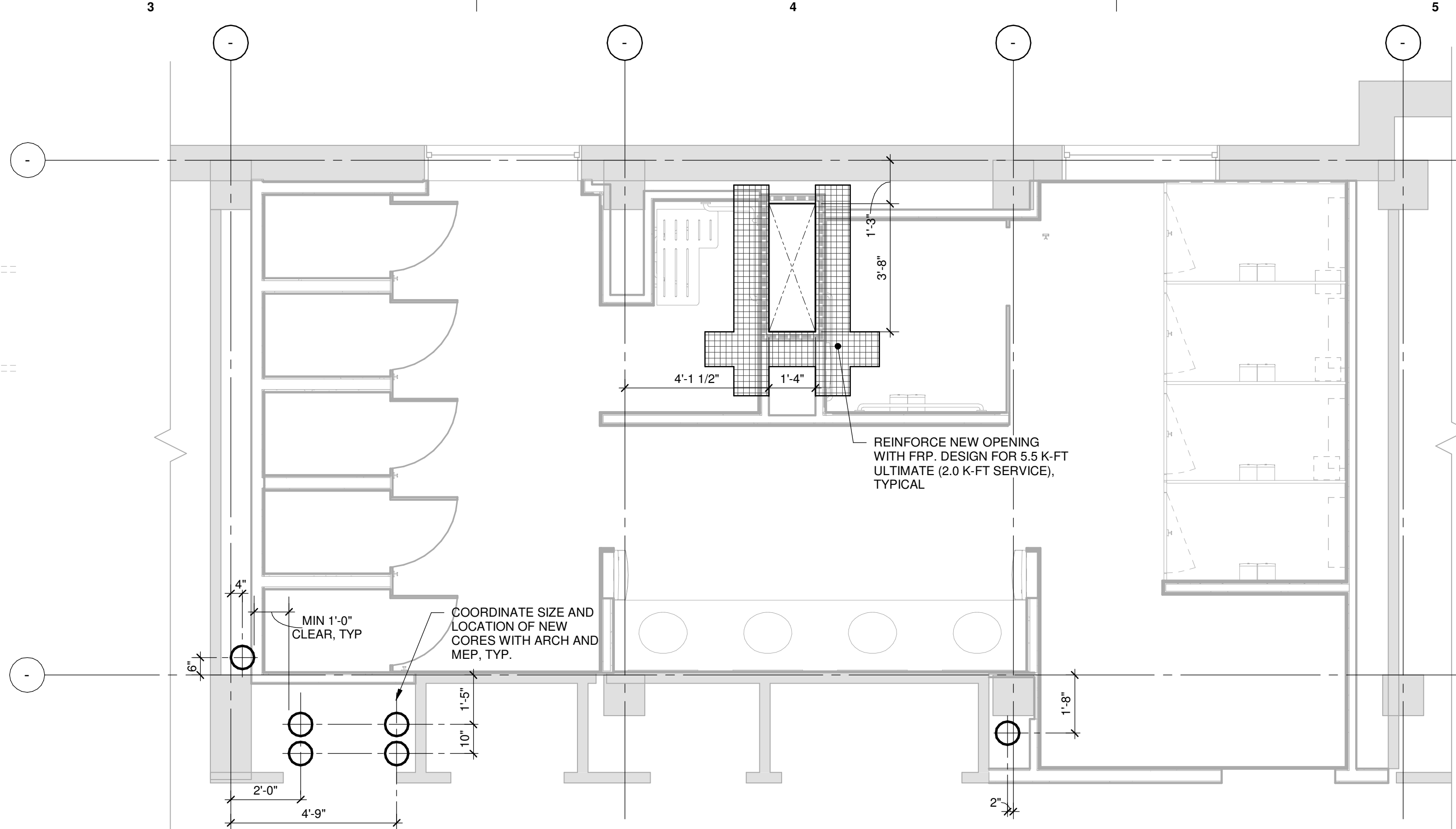
SHEET TITLE
RESTROOM ELEVATIONS

SHEET NUMBER
A8.20

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Walter P. Moore and Associates, Inc.
TBP#E Firm Registration No. 1886



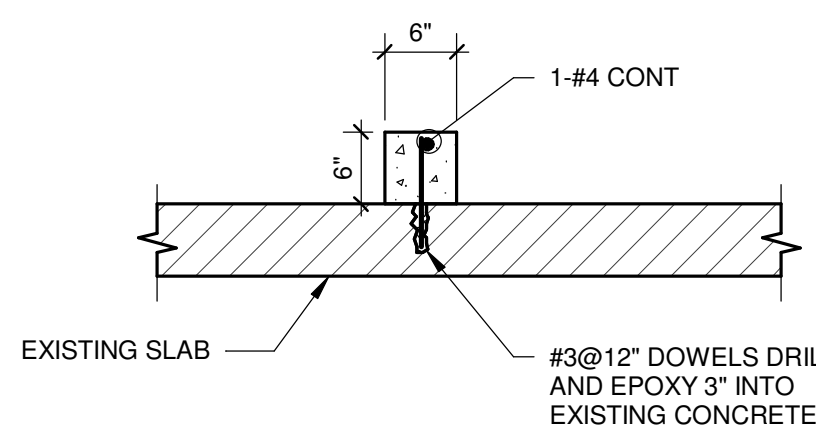
- NOTES:
- FLOOR PLAN IS TYPICAL FOR ALL FLOORS. RESTROOMS ON OPPOSITE SIDE OF BUILDING MAY BE MIRRORRED. ROOF PLAN IS SIMILAR.
 - 8" MAXIMUM CORE DIAMETER. TYPICAL. ALIGN ALL OPENINGS AS SHOWN ON DRAWINGS TO MINIMIZE INTERRUPTION OF EXISTING REBAR. CONTRACTOR TO LOCATE ALL EXISTING BEAMS BEFORE CORING. DO NOT CORE THROUGH BEAMS.
 - THE PROCEDURE FOR SAW CUTTING THE SLAB SHALL BE AS FOLLOWS: THE CONTRACTOR SHALL CORE HOLES AT THE CORNERS OF THE NEW OPENING AND THEN SAW CUT OR CORE BETWEEN THE CORNER CORE HOLES. THE CONTRACTOR SHALL NOT CUT OR DAMAGE THE CONCRETE BEYOND THE LIMITS OF THE NEW OPENING. THE CONTRACTOR SHALL CAREFULLY CHIP THE CONCRETE TO SQUARE OFF THE CORNERS OF THE NEW OPENINGS AT THE CORE HOLES.
 - CONTRACTOR TO NOTIFY EOR OF ANY EXISTING OPENINGS IN THE SLAB WITHIN 1'-6" OF EDGE OF NEW OPENINGS, INCLUDING CORES.

2 PARTIAL PLAN
3/8" = 1'-0"

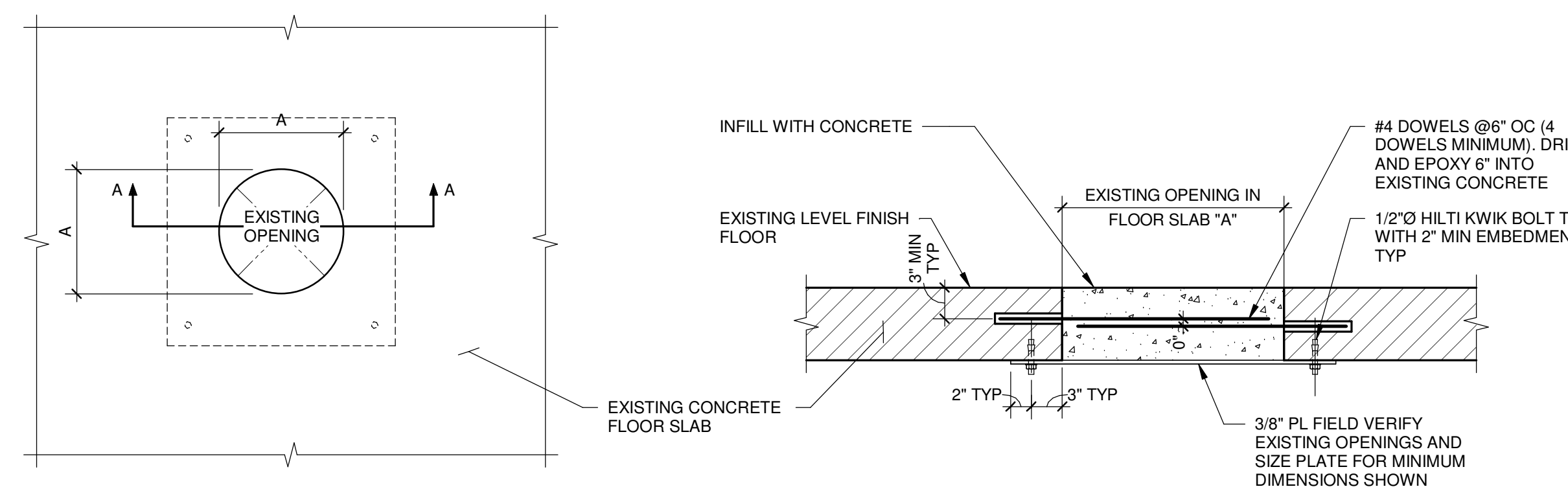
CLASSES OF CONCRETE MATRIX								
CONCRETE USAGE	MINIMUM COMPRESSIVE STRENGTH [f'c]	CONCRETE TYPE	EXPOSURE CLASSES	MAXIMUM W/CM RATIO	PERMISSIBLE AIR CONTENT	OPTIONAL CEMENT REPLACEMENT	MAXIMUM AGGREGATE SIZE	ADDITIONAL REMARKS
MISCELLANEOUS CONCRETE	3,500 PSI AT 28 DAYS	NWC		0.45	N/A	15-50%	3/4"	

- NOTES:
- ALL CONCRETE SHALL BE CONSIDERED TO BE IN EXPOSURE CLASS F0, S0, P0, AND C0 ACCORDING TO ACI 318-08 UNLESS NOTED OTHERWISE IN TABLE ABOVE, IN NOTES BELOW, OR ELSEWHERE ON THE STRUCTURAL DRAWINGS.
 - CONCRETE NOTED ABOVE OR ON PLAN TO BE IN EXPOSURE CLASSES F1, F2, F3, S1, S2, S3, P1, C1, OR C2 SHALL BE PROPORTIONED TO COMPLY WITH ACI 318-08 TABLES 4.3.1, 4.4.1, AND 4.4.2 IN ADDITION TO THE NOTATIONS IN THE TABLE ABOVE AND THE STRICTER REQUIREMENTS SHALL GOVERN. REFER TO THE SPECIFICATIONS FOR OTHER REQUIREMENTS FOR VARIOUS EXPOSURE CLASSES RELATIVE TO CEMENT TYPE, AIR ENTRAINMENT REQUIREMENTS, CHLORIDE ION LIMITS, AND POZZOLAN LIMITS.

10 CLASSES OF CONCRETE MATRIX
NO SCALE



8 TYPICAL CURB DETAIL
3/4" = 1'-0"



7 INFILL DETAIL
NO SCALE

- NOTES:
- NUMBER, SIZE AND LOCATION OF EXISTING OPENINGS TO BE DETERMINED BY THE CONTRACTOR IN THE FIELD.
 - COORDINATE EXTENT AND LOCATIONS OF INFILL WITH ARCHITECTURAL AND MEP DRAWINGS AND EXISTING CONDITIONS.
 - USE THIS DETAIL FOR "A" = 2'-0" OR LESS.
 - DOWELS ONLY REQUIRED FOR OPENINGS WITH "A" ≥ 12".
 - SCAN ALL EXISTING MEMBERS TO LOCATE REBAR FOR ANY POST-INSTALLED ANCHORS OR DOWEL DETAILS. DO NOT DAMAGE ANY EXISTING REBAR.

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PROJECT ADDRESS

KIRKSEY PROJECT NO. **2017228**
KEY PLAN

SHEET TITLE
PARTIAL PLANS AND DETAILS

SHEET NUMBER
S1.10



DBR Project Number 170399.000
EM JV JP JR --

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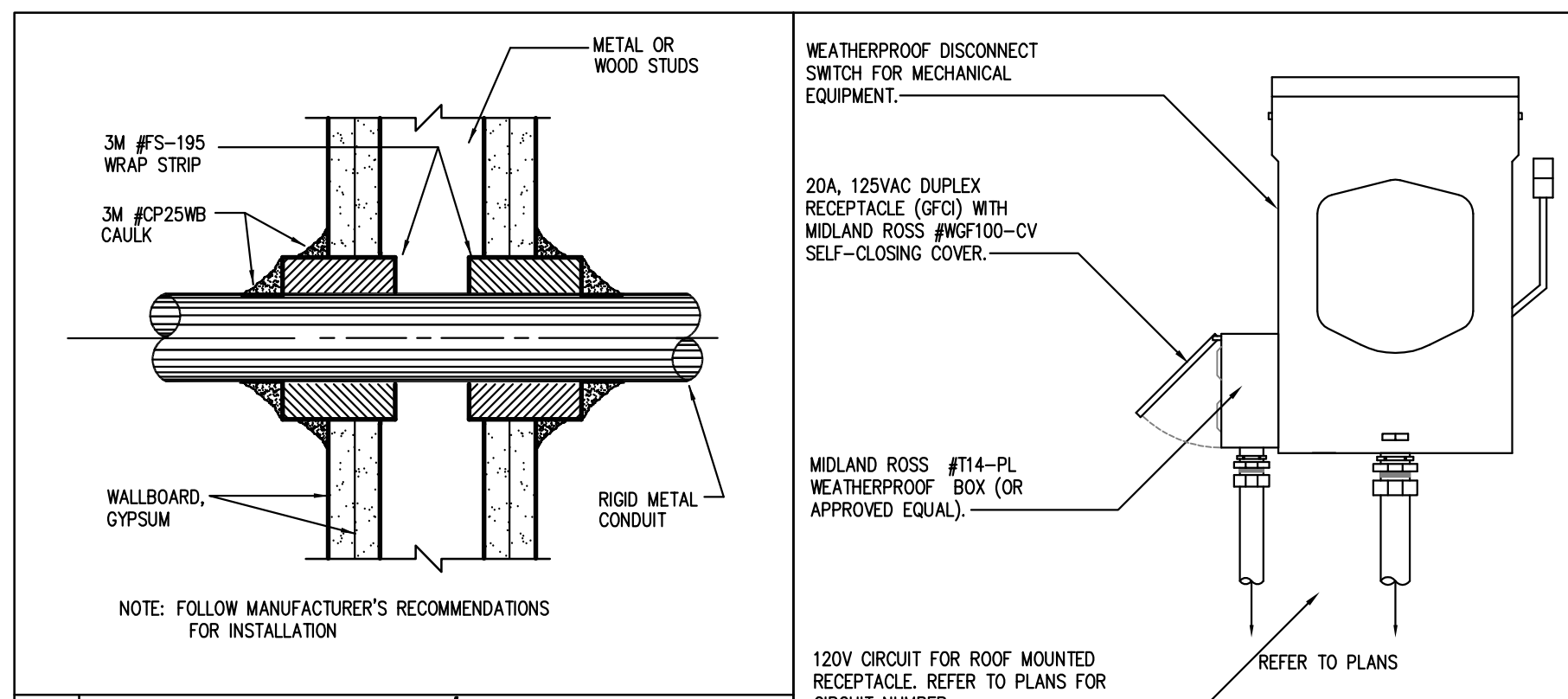
KIRKSEY PROJECT NO. **2017228**

KEY PLAN

SHEET TITLE
ELECTRICAL SYMBOL LEGEND

SHEET NUMBER
E0.01

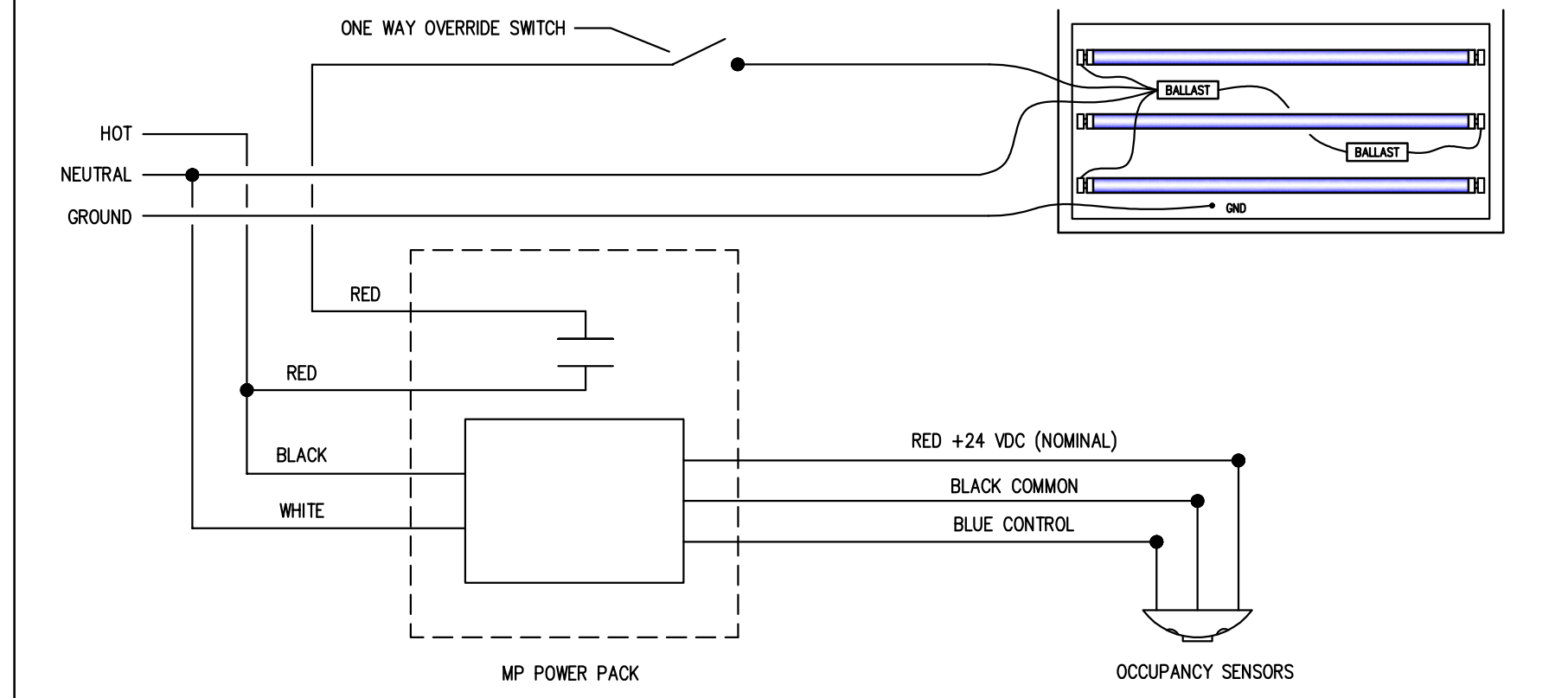
ABBREVIATIONS		ELECTRICAL SYMBOLS		MOTORS AND CONTROLS		RACEWAYS AND WIRING		MISCELLANEOUS	
A	AMPERS ABOVE AIR CONDITIONING ALTERNATING CURRENT, AIR COMPRESSOR, ABOVE COUNTER AIR COOLED CHILLER AIR COOLED CONDENSING UNIT ACCESS DOOR AMERICANS WITH DISABILITIES ACT AMPERE FUSE, AMPERE FRAME ABOVE FINISHED CEILING ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AIR HANDLING UNIT AMPERE INTERRUPT CAPACITY ALUMINUM AMMETER AMPLIFIER ANNUNCIATOR ACCESS PANEL, ALARM PANEL ARCHITECT ARCHITECTURAL AMPERES SHORT CIRCUIT AMPERE TRIP RATING AUTOMATIC TRANSFER SWITCH AVERAGE AUXILIARY AMERICAN WIRE GAUGE	G GAUGE GALLOON GALVANIZED GENERAL CONTRACTOR GENERATOR GROUND FAULT CIRCUIT INTERRUPTER GROUND GENERATOR TRANSFER DEVICE GAS UNIT HEATER	R EXISTING TO BE REMOVED RETURN AIR REFRIGERATED AIR DRYER RETURN AIR FAN RECONNECT EXISTING DEVICE TO CIRCUIT INDICATED REFLECTED CEILING PLAN RECEPTACLE REFERENCE, REFER RECEPTACLE REFRIGERATOR REWORKING REL EXISTING TO BE RELOCATED NEW LOCATION OF RELOCATED EQUIPMENT REQUIRED REVISION, REVISE RIGID GALVANIZED STEEL RUNNING LOAD AMPS REVOLUTIONS PER MINUTE REMOVE AND REPLACE ROOFTOP UNIT	MOTORS AND CONTROLS SINGLE OR THREE PHASE MOTOR NUMBER INDICATES HORSE POWER ELECTRIC DUCT HEATER DISCONNECT (SAFETY) SWITCH "200/150" DENOTES AMPERES/POLYUSE, "N" DENOTES NON-FUSED "NIR" DENOTES NEMA 3R ENCLOSED CIRCUIT BREAKER "200/150" DENOTES AMPERES/POLYUSE MOTOR STARTER FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26 COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER "300/150" DENOTES AMPERES/POLYUSE/STARTER SIZE, "N" DENOTES NON-FUSED, FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26 VARIABLE FREQUENCY DRIVE PROVIDED BY DIVISION 23 AND INSTALLED BY DIVISION 26 EMERGENCY POWER OFF BUTTON	RACEWAYS AND WIRING CAP AND STAKE CONDUIT CONCEALED IN WALL OR CEILING CONDUIT UNDERFLOOR OR UNDERGROUND EMERGENCY CONDUIT EXPOSED CONDUIT UNDERGROUND CONDUIT, "DB" DENOTES DUCTBANK ENCASED IN CONCRETE OVERHEAD ELECTRICAL PRIMARY UTILITY POWER LINE CONDUIT TURNED UP CONDUIT TURNED DOWN HASH MARKS INDICATE NUMBER OF CONDUCTORS LEFT TO RIGHT PHASE/NEUTRAL/SWITCH/EGROUND/INSULATED GROUND NO HASH MARKS INDICATES 2# 12, PLUS GROUND, UNLESS NOTED OTHERWISE HOMERUN TO PANEL WITH CIRCUIT NUMBER(S) AS INDICATED PARTIAL CIRCUIT HOMERUN TO PANEL COMMUNICATIONS CONDUIT OR CABLE: "C" DENOTES MASTER CLOCK "CA" DENOTES MASTER CLOCK "CR" DENOTES CASH REGISTER "D" DENOTES DATA "FA" DENOTES FIRE ALARM "F" DENOTES FIRE ALARM "H" DENOTES INTERCOM "HE" DENOTES OVERHEAD ELECTRICAL LINE "PA" DENOTES PAGING "S" DENOTES SECURITY "T" DENOTES TELEPHONE "V" DENOTES VIDEO TELECOMMUNICATIONS CABLE TRAY TO BE CONCEALED ABOVE ACCESSIBLE CEILING	MISCELLANEOUS SHADED SYMBOLS INDICATE EXISTING DEVICES TO REMAIN, UNLESS OTHERWISE NOTED INDICATES WALL MOUNTED WHEN ATTACHED TO ANY SYMBOL DRAWING NOTE REFERENCE STARTER/CONNECT SCHEDULE REFERENCE FEEDER SCHEDULE REFERENCE LIGHTING CONTACTOR TIME SWITCH PHOTOCELL PUSH BUTTON/DOOR BELL TIMECLOCK RELAY AREA OF RESCUE ASSISTANCE BELL WATER FLOW SWITCH SUPERVISORY SWITCH SMOKE DETECTOR - MULTI CRITERIA DETECTOR SMOKE DETECTOR - "ID" INDICATES IN DUCT TYPE "AS" INDICATES AIR SAMPLING TYPE "AC" INDICATES ABOVE CEILING "BS" INDICATES BELOW FLOOR HEAT DETECTOR BEAM DETECTOR TRANSMITTER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT BEAM DETECTOR RECEIVER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT FIRE ALARM SPEAKER / CEILING MOUNT FIRE ALARM SPEAKER STROBE / CEILING MOUNTED FIRE ALARM SPEAKER STROBE / WALL MOUNTED FIRE ALARM SPEAKER / WALL MOUNTED MAGNETIC DOOR HOLDER AUXILIARY CONTROL RELAY FIRE ALARM PULL STATION "42" AFF FIREMAN'S TELEPHONE JACK "42" AFF AUDIO VISUAL FIRE ALARM HORN STROBE "80" AFF - 1575cd U.N.O. VISUAL FIRE ALARM (STROBE) CEILING MOUNT - 1575cd U.N.O. VISUAL FIRE ALARM (STROBE) WALL MOUNT "80" AFF - 1575cd U.N.O. AUDIO FIRE ALARM HORN "80" AFF FIRE ALARM CONTROL PANEL REMOTE FIRE ALARM ANNUNCIATOR PANEL FIRE FIGHTER HANDSET REMOTE POWER SUPPLY FOR AUDIO/VISUAL FIRE ALARM DEVICES FIRE SMOKE DAMPER			
B	BUILDING AUTOMATION SYSTEM BELOW COUNTER BREAKER BUILDING	I ID INSIDE DIAMETER IG ISOLATED GROUND IN INCH SPECIFICATION SFP STAR PRESSURIZATION FAN SFR SPEAKER SUR SURGE PROTECTION DEVICE SPDT SINGLE-POLE, DOUBLE-THROW SPST SINGLE-POLE, SINGLE-THROW SQ SQUARE SRF SMOKE REMOVAL FAN SS START-STOP PUSH BUTTON SSSC SOLID STATE SPEED CONTROL ST SHUNT TRIP STB STEAM BOILER STD STANDARD STL STEEL SURF SURFACE SW SWITCH SWBD SWITCHBOARD	S SA SUPPLY AIR SAF SUPPLY AIR FAN SCHED SCHEDULE SE SEWAGE EJECTOR SEC SECONDARY SECT SECTION SF SQUARE FEET SHT SHEET SIM SIMLAR SKVA STARTING KILOVOLT-AMPS SKW STARTING KILOWATTS SP SUMP PUMP SPIC SPECIFICATION SFP STAR PRESSURIZATION FAN SFR SPEAKER SUR SURGE PROTECTION DEVICE SPDT SINGLE-POLE, DOUBLE-THROW SPST SINGLE-POLE, SINGLE-THROW SQ SQUARE SRF SMOKE REMOVAL FAN SS START-STOP PUSH BUTTON SSSC SOLID STATE SPEED CONTROL ST SHUNT TRIP STB STEAM BOILER STD STANDARD STL STEEL SURF SURFACE SW SWITCH SWBD SWITCHBOARD	RECEPTACLES AND OUTLETS ALL RECEPTACLES SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR TO CENTER OF DEVICE UNLESS NOTED OTHERWISE. SIMPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V DUPLICATE WALL RECEPTACLE, NEMA 5-20R, 20A, 125V "GFCI" DENOTES GROUND FAULT INTERRUPTER, "WIP" DENOTES WATERPROOF "ID" DENOTES ISOLATED GROUND, "SFP" DENOTES SAFETY TYPE, (TAMPER PROOF) "DK" DENOTES DROPPED RECEPTACLE, "UB" DENOTES RECEPTACLE WITH UNIVERSAL SERIAL BUS, "AC" DENOTES ABOVE COUNTER MOUNTING, SEE "UC" DENOTES UNDER COUNTER MOUNTING, SEE "H" DENOTES HORIZONTALLY ORIENTED RECEPTACLE, SEE ARCHITECTURAL PLANS FOR EXACT MOUNTING HEIGHT DUPLICATE WALL RECEPTACLE ON EMERGENCY CIRCUIT, RED COLOR DUPLICATE WALL RECEPTACLE ON A CIRCUIT DEDICATED TO DATA PROCESSING, GRAY COLOR, PROVIDE ISOLATED GROUND TYPE RECEPTACLES WHERE NOTED SPLIT WIRED RECEPTACLE, TOP RECEPTACLE SHALL BE SWITCHED ACCORDING TO PLANS, AND BOTTOM SHALL REMAIN UNSWITCHED CONTROLLED DUPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V, "SP" DENOTES SPLIT WIRED FOURPLEX (DOUBLE DUPLEX) WALL RECEPTACLE, NEMA 5-20R, 20A, 125V FOURPLEX WALL RECEPTACLE ON EMERGENCY CIRCUIT, RED COLOR CONTROLLED FOURPLEX (DOUBLE DUPLEX) WALL RECEPTACLE, NEMA 5-20R, 20A, 125V SPECIAL RECEPTACLE, NEMA CONFIGURATION AS NOTED FLUSH ELECTRICAL FLOOR OUTLET, "P" DENOTES POKE-THRU "D" INDICATES DUPLEX RECEPTACLE "R" INDICATES RED RECEPTACLE ON EMERGENCY POWER, REFER TO FLOOR BOX SCHEDULE, FIRE RATED POKE-THROUGH SCHEDULE AND KEYED NOTES MULTI-OUTLET SURFACE RACEWAY - SEE ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHTS JUNCTION BOX "M" DENOTES MOTOR DAMPER "CR" DENOTES CORD REEL "D" DENOTES DROP CORD RECEPTACLE DUPLICATE RECEPTACLE WITH HOMERUN DUPLICATE RECEPTACLE (PEDESTAL MOUNTED) TWO-GANG CEILING OUTLET TWO-GANG FLOOR OUTLET THREE-GANG FLOOR OUTLET POWER POLE DIRECT CONNECTION TO EQUIPMENT PULL BOX (OVER 4" SQUARE) CLOCK RECEPTACLE TO BE MOUNTED 12" BELOW FINISHED CEILING. (D) DENOTES DOUBLE-SIDED CLOCK	ELECTRICAL EQUIPMENT DISTRIBUTION PANEL SWITCHBOARD, MAIN DISTRIBUTION PANEL OR MOTOR CONTROL CENTER PANELBOARD (FLUSH/SURFACE MOUNT) FLOOR MOUNTED DRY-TYPE TRANSFORMER SUSPENDED OR WALL MOUNTED TRANSFORMER AUTOMATIC TRANSFER SWITCH FIRE RATED PLYWOOD TERMINAL BOARD, TYPE AS NOTED, 4" X 8" X 3/4" UNLESS NOTED OTHERWISE TERMINAL CABINET (FLUSH/SURFACE MOUNT), TYPE AS NOTED, 24" X 48" X 3-1/2" UNLESS NOTED OTHERWISE BATTERY/INVERTER UNIT LOW VOLTAGE TRANSFORMER	FIRE ALARM WATER FLOW SWITCH SUPERVISORY SWITCH SMOKE DETECTOR - MULTI CRITERIA DETECTOR SMOKE DETECTOR - "ID" INDICATES IN DUCT TYPE "AS" INDICATES AIR SAMPLING TYPE "AC" INDICATES ABOVE CEILING "BS" INDICATES BELOW FLOOR HEAT DETECTOR BEAM DETECTOR TRANSMITTER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT BEAM DETECTOR RECEIVER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT FIRE ALARM SPEAKER / CEILING MOUNT FIRE ALARM SPEAKER STROBE / CEILING MOUNTED FIRE ALARM SPEAKER STROBE / WALL MOUNTED FIRE ALARM SPEAKER / WALL MOUNTED MAGNETIC DOOR HOLDER AUXILIARY CONTROL RELAY FIRE ALARM PULL STATION "42" AFF FIREMAN'S TELEPHONE JACK "42" AFF AUDIO VISUAL FIRE ALARM HORN STROBE "80" AFF - 1575cd U.N.O. VISUAL FIRE ALARM (STROBE) CEILING MOUNT - 1575cd U.N.O. VISUAL FIRE ALARM (STROBE) WALL MOUNT "80" AFF - 1575cd U.N.O. AUDIO FIRE ALARM HORN "80" AFF FIRE ALARM CONTROL PANEL REMOTE FIRE ALARM ANNUNCIATOR PANEL FIRE FIGHTER HANDSET REMOTE POWER SUPPLY FOR AUDIO/VISUAL FIRE ALARM DEVICES FIRE SMOKE DAMPER			
C	CONDUIT, CELSIUS CABLE TELEVISION SYSTEM CLOSED CIRCUIT TELEVISION CONDENSER WATER PUMP CHILLER CHILLED WATER PUMP CIRCULATING CIRCUIT CENTERLINE CEILING CONCRETE MASONRY UNIT COLUMN CONCRETE CONNECTION CONTINUOUS CONTINUATION CONTROLLER, CONTRACTOR CIRCULATING PUMP CPU CHILLER CARD READER, CORD REEL CONDENSATE RETURN UNIT CURRENT TRANSFORMER, COOLING TOWER CENTER CUTTER COPPER	J JB JUNCTION BOX JP JOCKEY PUMP	T TC TEMPERATURE CONTROL TEL TELEPHONE TF TRANSFER FAN TL TWIST-LOCK TLC TOP OF CURB TOS TOP OF STEEL TP CHILD TAMPER PROOF DEVICE TSTAT THERMOSTAT TTB TELEPHONE TERMINAL BOARD TTC TELEPHONE TERMINAL CABINET TU TERMINAL UNIT TV TELEVISION TVSS TRANSIENT VOLTAGE SURGE SUPPRESSOR TYP TYPICAL	COMMUNICATIONS ALL OUTLET BOXES SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR TO CENTER OF DEVICE UNLESS NOTED OTHERWISE. THE FOLLOWING NOTATIONS REFER TO ALL COMMUNICATIONS OUTLETS: "FA" DENOTES OUTLET DEDICATED FOR A FAX "W" DENOTES WALL PHONE SHALL BE MOUNTED 42" A.F.F. "PA" DENOTES PAY PHONE SHALL BE MOUNTED 42" A.F.F. SCHOOL INTERCOMMUNICATION SYSTEM HANDSET. INDICATES THE LOCATION OF A NEW TECHNOLOGY WALL OUTLET, PROVIDE DUAL GANG BACK BOX. REFERENCE TECHNOLOGY SHEET FOR CONTENT. MICROPHONE FLOOR OUTLET, "W" INDICATES WALL MOUNTED "F" INDICATES FLOOR MOUNTED "H" INDICATES HANGING MOUNTED CEILING MOUNTED SPEAKER, "VC" INDICATES VOLUME CONTROL ON SPEAKER WALL MOUNTED SPEAKER "L" INDICATED LOCAL SOUND REINFORCEMENT SCHOOL INTERCOMMUNICATION SYSTEM CALL-IN, PUSH BUTTON BELL BUZZER OR CHIME AT 80" A.F.F. VOLUME CONTROL - WALL MOUNTED AUXILIARY INPUT JACK, "W" INDICATES WALL MOUNTED "F" INDICATES FLOOR MOUNTED "H" INDICATES HANGING MOUNTED "HIGH" PORTION OF "HIGH/LOW" OUTLETS, REFER TO OUTLET DETAIL "LOW" PORTION OF "HIGH/LOW" OUTLETS, REFER TO OUTLET DETAIL	SECURITY KEYPAD GLASS BREAK SENSOR HOLD UP BUTTON INTERCOM DOOR STATION INTERCOM MASTER STATION LONG RANGE MOTION DETECTOR WALL MOUNTED MOTION DETECTOR CEILING MOUNTED MOTION DETECTOR INTRUSION DETECTION PANEL DOOR CONTACT ADA AUTO DOOR OPEN BUTTON DOOR RELEASE BUTTON CARD READER WALL MOUNTED CARD READER REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.				
D	DECIBEL DIRECT CURRENT DIRECT DIGITAL CONTROL DETAIL DIAMETER DIMENSION DISCONNECT DOWN DISTRIBUTION PANEL DOUBLE-POLE, DOUBLE-THROW DOUBLE-POLE, SINGLE-THROW DROPPED RECEPTACLE DAYLIGHT SENSOR DISHWASHER DRAWING DOMESTIC WATER HEATER DOMESTIC WATER PUMP DX FAN COIL UNIT DAYLIGHT ZONE	K KEC KITCHEN EQUIPMENT CONTRACTOR KO KNOCKOUT KVA KILOWATT-AMPS KW KILOWATT KWH KILOWATT-HOUR	U UG UNDERGROUND UH UNIT HEATER UL ULSERWRITERS LABORATORIES, INC. UNO UNLESS NOTED OTHERWISE UNINTERRUPTIBLE POWER SYSTEM	LIGHTING LETTERS DENOTE TYPE - SEE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. 2" X 2" LIGHTING FIXTURE. 2" X 2" LIGHTING FIXTURE. 1" X 2" LIGHTING FIXTURE. 1" X 2" LIGHTING FIXTURE. 1" X 1" LIGHTING FIXTURE. STRIP LIGHTING FIXTURES. STAGGERED STRIP LIGHTING FIXTURE. ROUND DOWNLIGHT FIXTURE. SQUARE DOWNLIGHT FIXTURE. WALL MOUNTED LIGHTING FIXTURE. TRACK LIGHTING FIXTURE, MOUNTED AS SHOWN ON LIGHTING FIXTURE SCHEDULE. CEILING MOUNTED EXIT SIGN; ARROWS AS INDICATED, SHADED AREA DENOTES FACE. WALL MOUNTED EXIT SIGN; ARROWS AS INDICATED, SHADED AREA DENOTES FACE. EMERGENCY WALL MOUNTED LIGHTING FIXTURE, BATTERY OPERATED UNLESS NOTED OTHERWISE. SECURITY WALL PACK SITE LIGHTING FIXTURE. POST-TOP FIXTURE/ACORN FIXTURE BRACKET ARM INDICATES WALL MOUNT WITH ARM EMERGENCY LIGHT FIXTURE WITH BATTERY PACK, PROVIDE WITH UNSWITCHED HOT FOR LOSS OF VOLTAGE AND CHARGING (SAME CIRCUIT AS NORMAL POWER LIGHTING). FIXTURES SHALL BE WIRED IN A MAINLINE AS TO ALLOW SWITCHING OF FIXTURES WITHOUT DISCHARGING THE EMERGENCY BATTERY. BATTERY PACK IS TO ONLY OPERATE IN THE EVENT OF A POWER OUTAGE. LIGHT FIXTURE ON EMERGENCY BRANCH CIRCUIT, CIRCUIT NUMBER ADJACENT TO FIXTURE INDICATES EMERGENCY CIRCUIT CONNECTED TO FIXTURE, PROVIDE UNSWITCHED HOT, NEUTRAL AND GROUND FOR ALL EMERGENCY LIGHTING ORIGINATING FROM THE EMERGENCY CIRCUIT SHOWN. EMERGENCY "NIGHT LIGHT" LIGHT FIXTURE, LIGHT FIXTURE IS UNSWITCHED AND INTERED FOR 24 HOUR OPERATION, FEED VIA UNSWITCHED HOT. DAYLIGHT ZONE/PRIMARY DAYLIGHT ZONE SECONDARY DAYLIGHT ZONE	COMMUNICATIONS SCHOOL INTERCOMMUNICATION SYSTEM HANDSET. INDICATES THE LOCATION OF A NEW TECHNOLOGY WALL OUTLET, PROVIDE DUAL GANG BACK BOX. REFERENCE TECHNOLOGY SHEET FOR CONTENT. MICROPHONE FLOOR OUTLET, "W" INDICATES WALL MOUNTED "F" INDICATES FLOOR MOUNTED "H" INDICATES HANGING MOUNTED CEILING MOUNTED SPEAKER, "VC" INDICATES VOLUME CONTROL ON SPEAKER WALL MOUNTED SPEAKER "L" INDICATED LOCAL SOUND REINFORCEMENT SCHOOL INTERCOMMUNICATION SYSTEM CALL-IN, PUSH BUTTON BELL BUZZER OR CHIME AT 80" A.F.F. VOLUME CONTROL - WALL MOUNTED AUXILIARY INPUT JACK, "W" INDICATES WALL MOUNTED "F" INDICATES FLOOR MOUNTED "H" INDICATES HANGING MOUNTED "HIGH" PORTION OF "HIGH/LOW" OUTLETS, REFER TO OUTLET DETAIL "LOW" PORTION OF "HIGH/LOW" OUTLETS, REFER TO OUTLET DETAIL				
E	EXISTING EACH ELECTRICAL CONTRACTOR EMPTY CONDUIT ELECTRIC DRAWING FOUNTAIN EXHAUST FAN EFFICIENCY ELECTRIC HEATING COIL EXPANSION JOINT ELEVATION ELECTRICAL ELEVATOR ENERGY MANAGEMENT AND CONTROLS SYSTEM EMERGENCY ENERGY MANAGEMENT SYSTEM ENCLOSURE ENGINEER EMERGENCY POWER OFF EQUIPMENT EXISTING TO REMAIN ELECTRIC UNIT HEATER ELECTRIC WATER HEATER EXHAUST	M M METER MA MASTER ALARM PANEL MATV MASTER ANTENNA TELEVISION SYSTEM MAX MAXIMUM MC METAL CLAD CABLE MCA MINIMUM CIRCUIT AMPS MCB MAIN CIRCUIT BREAKER MCC MOTOR CONTROL CENTER MD MOTORIZED DAMPER MDP MAIN DISTRIBUTION PANEL MECH MECHANICAL MFR MANUFACTURER MH METAL HALIDE MIC MICROPHONE MIN MINIMUM MLO MAN LUGS ONLY MOP MAXIMUM OVER CURRENT PROTECTION MSB MAIN SWITCHBOARD MTD MOUNTED MV MERCURY VAPOR	V V VOLT VA VOLT-AMPERE VAV VARIABLE AIR VOLUME VC VOLUME CONTROL VERT VERTICAL VFD VARIABLE FREQUENCY DRIVE VP VACUUM PUMP VM VOLT METER	ONE LINE AND RISER DIAGRAMS TRANSFORMER, TYPE AND RATINGS AS NOTED SWITCH, RATING AS SHOWN FUSE, RATING AS SHOWN CIRCUIT BREAKER, RATING AS SHOWN, 3 POLE UNLESS NOTED OTHERWISE, "CL" DENOTES CURRENT LIMITING DRAWOUT CIRCUIT BREAKER, RATINGS AS SHOWN, 3 POLE UNLESS NOTED OTHERWISE SHUNT TRIP GROUND FAULT RELAY KIRK-KEY INTERLOCK DIGITAL METER AMMETER, RANGE AS SHOWN AMMETER SWITCH VOLT/METER, RANGE AS SHOWN VOLT/METER SWITCH WATT HOUR METER, "D" DENOTES DEMAND REGISTER "15" DENOTES MINUTES OF DEMAND INTERVAL CURRENT TRANSFORMER, RATED AS SHOWN POTENTIAL TRANSFORMER, RATINGS AS SHOWN GROUND CONNECTION LIGHTING ARRESTOR GENERATOR SET AUTOMATIC TRANSFER SWITCH BUS DUCT PLUG TRANSIENT VOLTAGE SURGE SUPPRESSOR ELECTRICAL METER SURGE PROTECTION DEVICE	SWITCHES ALL WALL SWITCHES SHALL BE MOUNTED AT 42" ABOVE FINISHED FLOOR TO CENTER OF DEVICE UNLESS NOTED OTHERWISE. SWITCH, SPST, 20A, 120/277V SWITCH, 20A, 120/277V "Z" DENOTES DPST "3" DENOTES THREE-WAY "4" DENOTES FOUR-WAY "K" DENOTES KEY SWITCH "D" DENOTES DIMMER "T" DENOTES SPRING WOUND TIMER "C" DENOTES RED "F" DENOTES FAN SPEED CONTROLLER "OC" DENOTES OCCUPANCY SENSOR SWITCH "LV" DENOTES LOW VOLTAGE SWITCH "L" DENOTES LOCKING SWITCH SWITCH, SPDT, CENTER OFF, MOMENTARY CONTACT DIMMER CONTROL SWITCH, 600 WATT UNLESS OTHERWISE NOTED THREE-WAY KEY SWITCH, 20A, 120/277V WALL MOUNTED SWITCH TO CONTROL MOTORIZED PROJECTION SCREENS MOTOR RATED SWITCH WITH THERMAL OVERLOADS CEILING MOUNTED OCCUPANCY SENSOR MASTER OCCUPANCY SENSOR POWER PACK DAYLIGHT/PHOTO SENSOR PARTITION SENSOR				
F	FAHRENHEIT, FAN, FIRE FIRE ALARM FIRE ALARM CONTROL PANEL FAN COIL UNIT FURNITURE FEED FIXTURE FIXTURE FULL LOAD AMPS FLEXIBLE FLOOR FLOURESCENT FIRE PUMP, FAN POWERED FAN POWERED TERMINAL BOX FREEZER FUSED SWITCH, FLOW SWITCH MOTORIZED FLOW SMOKE DAMPER FOOT, FEET FEED-THRU LUGS FUTURE FULL-VOLTAGE, NON-REVERSING	N N3R NEMA 3R ENCLOSURE N4X NEMA 4X ENCLOSURE N.C. NORMALLY CLOSED NEC NATIONAL ELECTRICAL CODE NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NF NON-FUSED NFA NATIONAL FIRE PROTECTION ASSOCIATION NFS NON-FUSED SWITCH NIC NOT IN CONTRACT NL NIGHT LIGHT N.O. NORMALLY OPEN NO. NUMBER NTS NOT TO SCALE	W W WATT, WIRE, WIDTH WG WIREGUARD W WITH WO WITHOUT WP WEATHERPROOF WS WATER SOFTENER WT WATERTIGHT, WEIGHT WWF WELDED WIRE FABRIC WWT WATTS PER SQUARE FOOT	DRAWING/DETAIL REFERENCE KEY REFER TO DRAWING/DETAIL NUMBER SHEET NUMBER	GENERAL NOTES A. NOT ALL SYMBOLS SHOWN ON THIS SYMBOL LIST ARE USED IN THE CONTRACT DOCUMENTS.				
G	GAUGE GALLOON GALVANIZED GENERAL CONTRACTOR GENERATOR GROUND FAULT CIRCUIT INTERRUPTER GROUND GENERATOR TRANSFER DEVICE GAS UNIT HEATER	O OAF OUTSIDE AIR FAN OAHU OUTSIDE AIR HANDLING UNIT OC ON CENTER OD OUTSIDE DIAMETER OHE OVERHEAD ELECTRICAL OPG OPENING	X XFMR TRANSFORMER	LEGEND KEYPAD GLASS BREAK SENSOR HOLD UP BUTTON INTERCOM DOOR STATION INTERCOM MASTER STATION LONG RANGE MOTION DETECTOR WALL MOUNTED MOTION DETECTOR CEILING MOUNTED MOTION DETECTOR INTRUSION DETECTION PANEL DOOR CONTACT ADA AUTO DOOR OPEN BUTTON DOOR RELEASE BUTTON CARD READER WALL MOUNTED CARD READER REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.					
H	HEATING, AIR CONDITIONING RATED CIRCUIT BREAKER ELECTRIC HAND DRYER HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORIZONTAL HORSEPOWER HIGH PRESSURE SODIUM HAND SET HAND SCANNER HEATING HEATER HEATING, VENTILATING, AND AIR CONDITIONING HEATING/VENTILATING UNIT HOT WATER BOILER HOT WATER CIRCULATOR HEATING WATER PUMP HERTZ	P P POLE, PUMP PB PUSHBUTTON PC PHOTOCELL PH PHASE PL PILOT LIGHT PLB PUSHBUTTON PNEU PNEUMATIC PNL PANEL POS POINT OF SALE PP POWER POLE PR PAIR PRI PRIMARY PS PHOTODIODE PVC POLYVINYL CHLORIDE PWR POWER	Z ZONE	LEGEND KEYPAD GLASS BREAK SENSOR HOLD UP BUTTON INTERCOM DOOR STATION INTERCOM MASTER STATION LONG RANGE MOTION DETECTOR WALL MOUNTED MOTION DETECTOR CEILING MOUNTED MOTION DETECTOR INTRUSION DETECTION PANEL DOOR CONTACT ADA AUTO DOOR OPEN BUTTON DOOR RELEASE BUTTON CARD READER WALL MOUNTED CARD READER REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.					
I	INSIDE DIAMETER ISOLATED GROUND INCH SPECIFICATION STAR PRESSURIZATION FAN SPEAKER SURGE PROTECTION DEVICE SINGLE-POLE, DOUBLE-THROW SINGLE-POLE, SINGLE-THROW SQUARE SMOKE REMOVAL FAN START-STOP PUSH BUTTON SOLID STATE SPEED CONTROL SHUNT TRIP STEAM BOILER STANDARD STEEL SURFACE SWITCH SWITCHBOARD	Q QTY QUANTITY	LEGEND KEYPAD GLASS BREAK SENSOR HOLD UP BUTTON INTERCOM DOOR STATION INTERCOM MASTER STATION LONG RANGE MOTION DETECTOR WALL MOUNTED MOTION DETECTOR CEILING MOUNTED MOTION DETECTOR INTRUSION DETECTION PANEL DOOR CONTACT ADA AUTO DOOR OPEN BUTTON DOOR RELEASE BUTTON CARD READER WALL MOUNTED CARD READER REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.						
J	JUNCTION BOX JOCKEY PUMP		LEGEND KEYPAD GLASS BREAK SENSOR HOLD UP BUTTON INTERCOM DOOR STATION INTERCOM MASTER STATION LONG RANGE MOTION DETECTOR WALL MOUNTED MOTION DETECTOR CEILING MOUNTED MOTION DETECTOR INTRUSION DETECTION PANEL DOOR CONTACT ADA AUTO DOOR OPEN BUTTON DOOR RELEASE BUTTON CARD READER WALL MOUNTED CARD READER REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.						
K	KITCHEN EQUIPMENT CONTRACTOR KNOCKOUT KILOWATT-AMPS KILOWATT KILOWATT-HOUR		LEGEND KEYPAD GLASS BREAK SENSOR HOLD UP BUTTON INTERCOM DOOR STATION INTERCOM MASTER STATION LONG RANGE MOTION DETECTOR WALL MOUNTED MOTION DETECTOR CEILING MOUNTED MOTION DETECTOR INTRUSION DETECTION PANEL DOOR CONTACT ADA AUTO DOOR OPEN BUTTON DOOR RELEASE BUTTON CARD READER WALL MOUNTED CARD READER REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.						
L	LIGHT EMITTING DIODE LINEAR FEET LOCKED ROTOR AMPS LIGHTING LOW VOLTAGE TRANSFORMER LEVEL		LEGEND KEYPAD GLASS BREAK SENSOR HOLD UP BUTTON INTERCOM DOOR STATION INTERCOM MASTER STATION LONG RANGE MOTION DETECTOR WALL MOUNTED MOTION DETECTOR CEILING MOUNTED MOTION DETECTOR INTRUSION DETECTION PANEL DOOR CONTACT ADA AUTO DOOR OPEN BUTTON DOOR RELEASE BUTTON CARD READER WALL MOUNTED CARD READER REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.						
M	METER MASTER ALARM PANEL MASTER ANTENNA TELEVISION SYSTEM MAXIMUM METAL CLAD CABLE MINIMUM CIRCUIT AMPS MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MOTORIZED DAMPER MAIN DISTRIBUTION PANEL MECHANICAL MANUFACTURER METAL HALIDE MICROPHONE MINIMUM MAN LUGS ONLY MAXIMUM OVER CURRENT PROTECTION MAIN SWITCHBOARD MOUNTED MERCURY VAPOR		LEGEND KEYPAD GLASS BREAK SENSOR HOLD UP BUTTON INTERCOM DOOR STATION INTERCOM MASTER STATION LONG RANGE MOTION DETECTOR WALL MOUNTED MOTION DETECTOR CEILING MOUNTED MOTION DETECTOR INTRUSION DETECTION PANEL DOOR CONTACT ADA AUTO DOOR OPEN BUTTON DOOR RELEASE BUTTON CARD READER WALL MOUNTED CARD READER REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.						
N	NEMA 3R ENCLOSURE NEMA 4X ENCLOSURE NORMALLY CLOSED NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NON-FUSED NATIONAL FIRE PROTECTION ASSOCIATION NON-FUSED SWITCH NOT IN CONTRACT NIGHT LIGHT NORMALLY OPEN NUMBER NOT TO SCALE		LEGEND KEYPAD GLASS BREAK SENSOR HOLD UP BUTTON INTERCOM DOOR STATION INTERCOM MASTER STATION LONG RANGE MOTION DETECTOR WALL MOUNTED MOTION DETECTOR CEILING MOUNTED MOTION DETECTOR INTRUSION DETECTION PANEL DOOR CONTACT ADA AUTO DOOR OPEN BUTTON DOOR RELEASE BUTTON CARD READER WALL MOUNTED CARD READER REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.						
O	OUTSIDE AIR FAN OUTSIDE AIR HANDLING UNIT ON CENTER OUTSIDE DIAMETER OVERHEAD ELECTRICAL OPENING		LEGEND KEYPAD GLASS BREAK SENSOR HOLD UP BUTTON INTERCOM DOOR STATION INTERCOM MASTER STATION LONG RANGE MOTION DETECTOR WALL MOUNTED MOTION DETECTOR CEILING MOUNTED MOTION DETECTOR INTRUSION DETECTION PANEL DOOR CONTACT ADA AUTO DOOR OPEN BUTTON DOOR RELEASE BUTTON CARD READER WALL MOUNTED CARD READER REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.						
P	POLE, PUMP PUSHBUTTON PHOTOCELL PHASE PILOT LIGHT PUSHBUTTON PNEUMATIC PANEL POINT OF SALE POWER POLE PAIR PRIMARY PHOTODIODE POLYVINYL CHLORIDE POWER		LEGEND KEYPAD GLASS BREAK SENSOR HOLD UP BUTTON INTERCOM DOOR STATION INTERCOM MASTER STATION LONG RANGE MOTION DETECTOR WALL MOUNTED MOTION DETECTOR CEILING MOUNTED MOTION DETECTOR INTRUSION DETECTION PANEL DOOR CONTACT ADA AUTO DOOR OPEN BUTTON DOOR RELEASE BUTTON CARD READER WALL MOUNTED CARD READER REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.						
Q	QUANTITY		LEGEND KEYPAD GLASS BREAK SENSOR HOLD UP BUTTON INTERCOM DOOR STATION INTERCOM MASTER STATION LONG RANGE MOTION DETECTOR WALL MOUNTED MOTION DETECTOR CEILING MOUNTED MOTION DETECTOR INTRUSION DETECTION PANEL DOOR CONTACT ADA AUTO DOOR OPEN BUTTON DOOR RELEASE BUTTON CARD READER WALL MOUNTED CARD READER REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.						



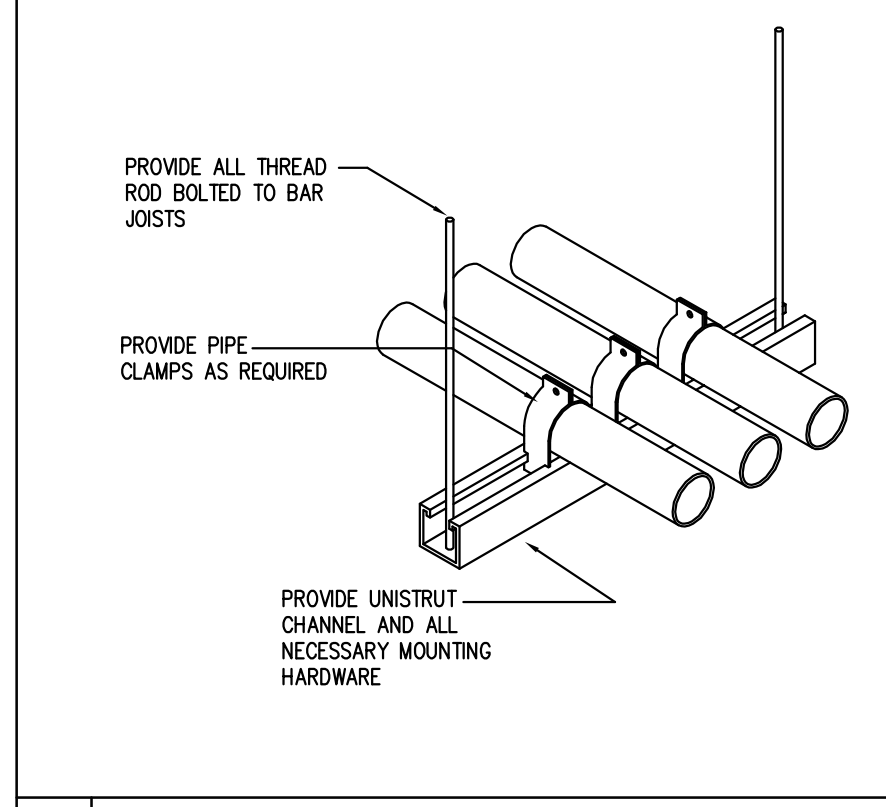
1 1 AND 2 HR. GYPSUM/WALLBOARD PIPE PENETRATION
NOT TO SCALE EP0012.DWG



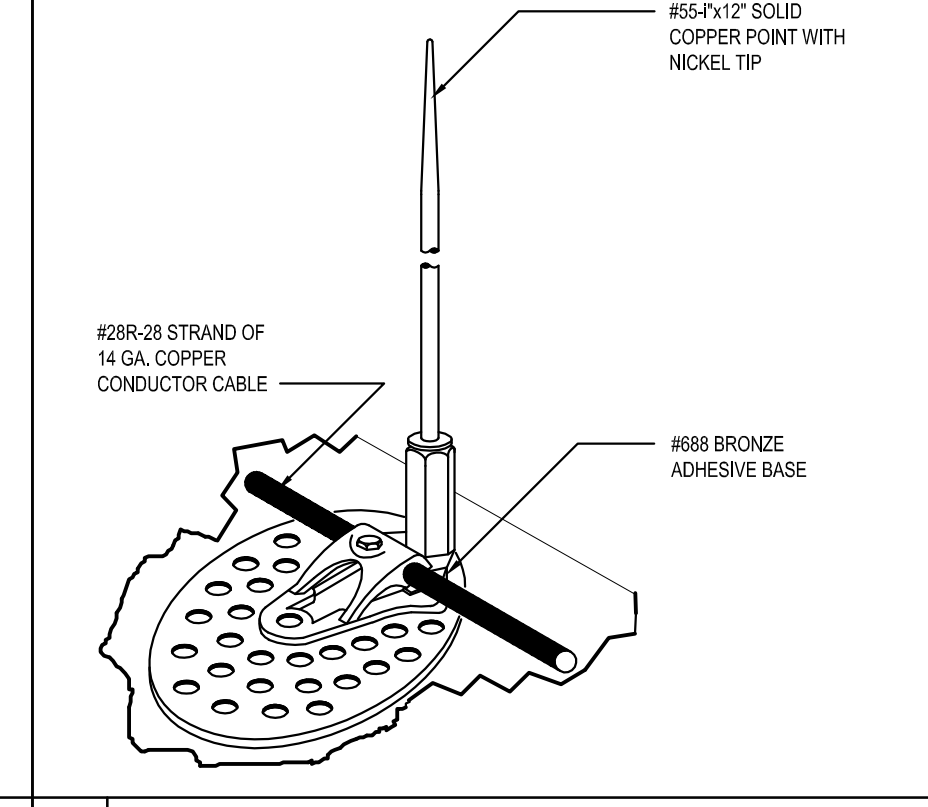
2 ROOF MOUNTED RECEPTACLE
NOT TO SCALE EP0014.DWG



3 1 WAY OCCUPANCY SENSOR
NOT TO SCALE EL0018.DWG



4 UNISTRUT CONDUIT DETAIL
NOT TO SCALE EP0001.DWG



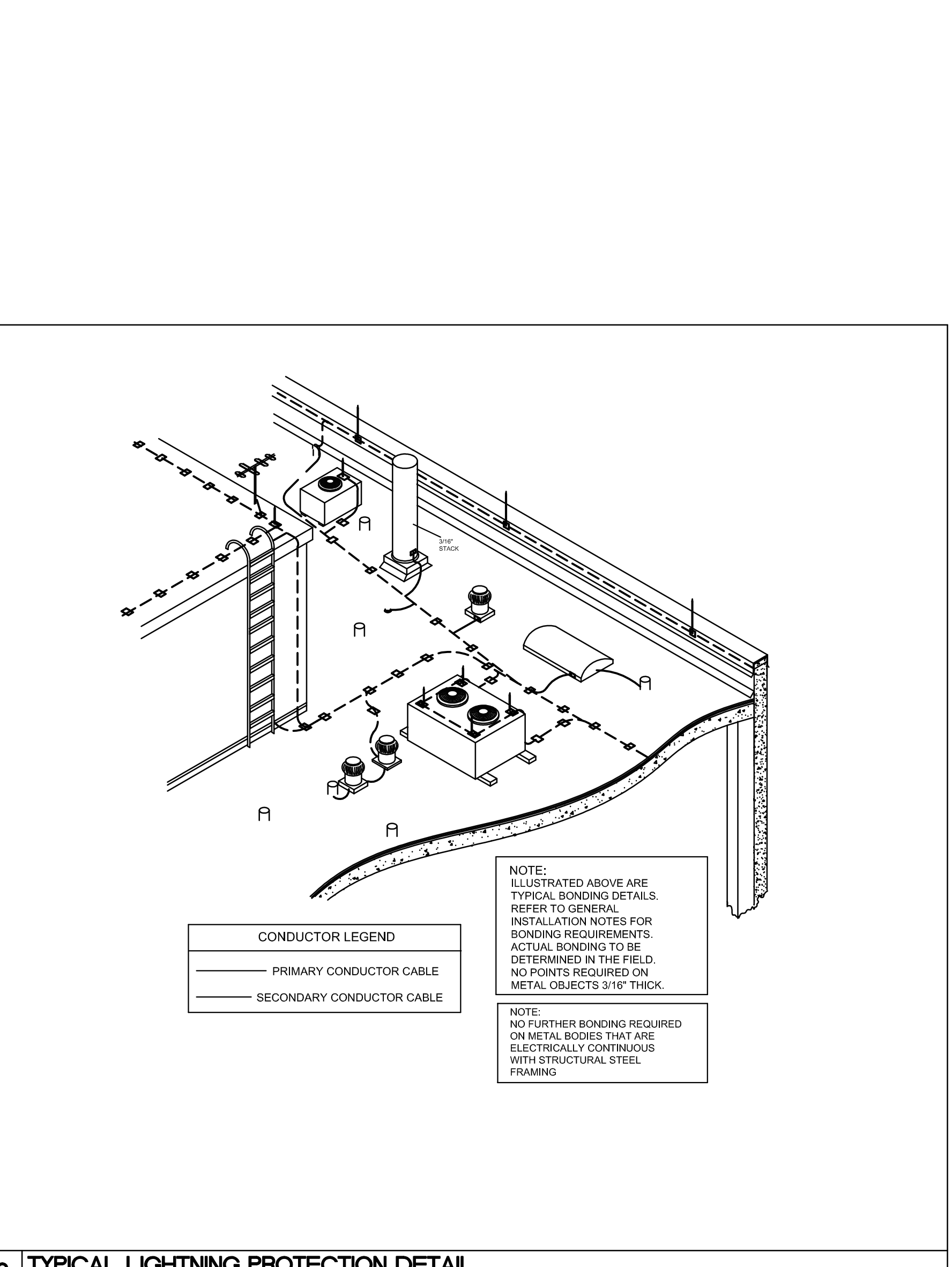
5 TYPICAL ADHESIVE BASE DETAIL
NOT TO SCALE

FIRE ALARM REMODELING NOTES:

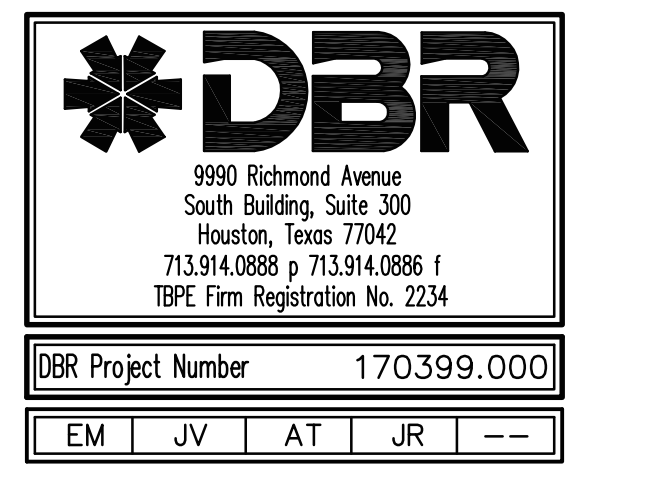
- REFER TO THE FIRE ALARM PLAN FOR FIRE ALARM DEVICES, NEW OR EXISTING, BEING ADDED, RE-USED OR REMOVED BY THIS REMODEL.
- THE INTENT OF THIS PLAN IS TO INCORPORATE NEW AND RELOCATED DEVICES WITH THE EXISTING BASE BUILDING FIRE ALARM SYSTEM. WHEN A PULL STATION OR SMOKE DETECTOR IS ACTIVATED THE STROBES WILL FLASH AND SPEAKERS WILL SOUND ON THE FLOOR ABOVE AND THE FLOOR BELOW THE FLOOR OF INCIDENCE.
- IT IS ASSUMED WITH THIS REMODEL THAT THE EXISTING SYSTEM MEETS REQUIRED CODES FOR THE ORIGINAL DATE OF INSTALLATION, AND BUILDING MANAGEMENT HAS MAINTAINED SYSTEM IN COMPLIANCE WITH LIFE SAFETY 101, FOR SEQUENCE OF OPERATIONS AND SPECIFICATIONS, REFER TO ORIGINAL SYSTEM DOCUMENT, COORDINATE WITH BUILDING MANAGEMENT.
- THE EQUIPMENT SUPPLIER AND INSTALLING CONTRACTOR SHALL BE LICENSED BY THE STATE FIRE MARSHALL TO SELL, INSTALL, AND SERVICE FIRE ALARM SYSTEMS AS REQUIRED BY ARTICLE 5.49-2 OF THE TEXAS INSURANCE CODE.
- ALL NEW EQUIPMENT REQUIRED FOR THIS REMODEL SHALL BE COMPATIBLE WITH THE EXISTING BUILDING SYSTEM AND IS TO BE A PART OF THE SUBMITTAL PROCESS AS NOTED IN THE ELECTRICAL SPECIFICATIONS FOR THIS PROJECT. PROVIDE ADDITION SYSTEM POWER BOOSTER WHESE REQUIRED.
- APPROVED FIRE ALARM CONTRACTOR TO FIELD VERIFY THAT THE EXISTING SYSTEM IS ADEQUATE FOR ADDITIONS AND MODIFICATIONS AND DETERMINE EXACT LOCATIONS OF NEW, RELOCATED AND EXISTING DEVICES. VERIFY QUANTITIES OF NEW DEVICES TO INTERFACE WITH THE EXISTING BUILDING SYSTEM. THE CONTRACTOR SHALL COORDINATE WITH BUILDING MANAGEMENT AND SHALL NOTIFY THE ENGINEER IF ANY CONFLICT EXISTS PREVENTING MODIFICATIONS REQUIRED IN THESE PLANS.
- THE SYSTEM WHEN MODIFIED, SHALL BE A COMPLETE AND WORKING SYSTEM, AND COMPLY WITH THE MOST RECENT RULES, REGULATIONS, AND ORDINANCES THAT PRESENTLY APPLY TO THIS REMODEL.
- ALL FIRE ALARM WORK IS TO BE APPROVED BY THE OWNER PRIOR TO START OF CONSTRUCTION.

GENERAL ELECTRICAL REMODELING NOTES:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED EXISTING JOB-SITE CONDITIONS DURING THE BIDDING PERIOD TO OBTAIN THE SCOPE OF ELECTRICAL WORK INVOLVED AS A RESULT OF ARCHITECTURAL MODIFICATIONS TO THE EXISTING STRUCTURE. THE SCOPE OF THE WORK SHALL INCLUDE MATERIALS AND OUTLETS, CONSISTING OF FIXTURES, DEVICES, EQUIPMENT OR APPARATUS, WHICH MUST BE REROUTED, RELOCATED OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED, SO THAT THE INDICATED REMODELING MAY BE ACCOMPLISHED. NOT ALL EXISTING OUTLETS ARE NECESSARILY INDICATED ON THE DRAWINGS.
- WHEN OUTLETS ARE ABANDONED, WIRE MUST BE PULLED OUT OF CONDUIT BACK TO THE NEAREST REMAINING BOX OR CABINET AND EXPOSED CONDUIT THAT HAS BEEN ABANDONED MUST BE REMOVED.
- RE-ESTABLISH SERVICE TO ALL OUTLETS THAT MAY BE INTERRUPTED BECAUSE OF REMODELING WORK.
- PROVIDE ALL APPURTENANCES REQUIRED TO REROUTE, RELOCATED, REMOVE OR REINSTALL ALL ITEMS DESCRIBED IN THESE NOTES.
- VERIFY THE LOADING OF EACH CIRCUIT AFFECTED BY REMODELING WORK. THE MAXIMUM LOAD OF ANY BRANCH CIRCUIT MUST NOT EXCEED 80% OF ITS RATING.
- REMOVE ALL OUTLETS AND WIRING ASSOCIATED WITH ALL EQUIPMENT BEING REMOVED, INCLUDING MECHANICAL AND PLUMBING EQUIPMENT.
- ALL EXISTING LIGHT FIXTURES, TO BE RELOCATED, MUST BE CLEANED, RELAMPED AS REQUIRED, AND TOUCHED UP WITH PAINT, AND ALL DAMAGED PARTS REPLACED. THE FIXTURES SHALL THEN BE REINSTALLED AS REQUIRED. PROVIDE NEW BALLAST AS REQUIRED.
- PROVIDE ADDITIONAL BRANCH BREAKER IN EXISTING PANEL BOARDS AS REQUIRED, IF EXISTING PANEL BOARDS ARE FULL. PROVIDE NEW PANELBOARDS, FEEDERS, BREAKERS, CONDUIT, WIRE, ETC., TO COMPLETE THE REMODEL WORK.
- ALL EXISTING UNUSED CONDUIT SHALL BE REMOVED BACK TO THE SOURCE.
- PROVIDE NEW, OR UPDATED, TYPED PANEL SCHEDULES FOR ALL NEW OR EXISTING PANEL BOARDS AFFECTED BY SCOPE OF WORK.



6 TYPICAL LIGHTNING PROTECTION DETAIL
NOT TO SCALE EP0005.DWG



These drawings have been prepared as one coordinated set of drawings and are complimentary. What is required by one drawing is required by all of the drawings, even if a detail or component part is not identified on every sheet. Any user's reliance on a single or select few sheet(s) of the drawings without consideration for the information included in the entire set of drawings will be at the user's sole risk and shall not form the basis for a request for additional compensation or time.



DATE	ISSUE
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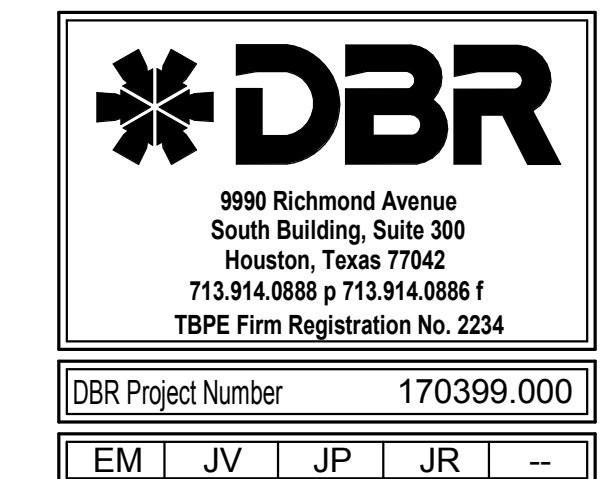
PROJECT NAME
DAVIS-GARY (18)

PROJECT ADDRESS

KIRKSEY PROJECT NO. **2017228**
KEY PLAN

SHEET TITLE
ELECTRICAL DETAILS AND SCHEDULES

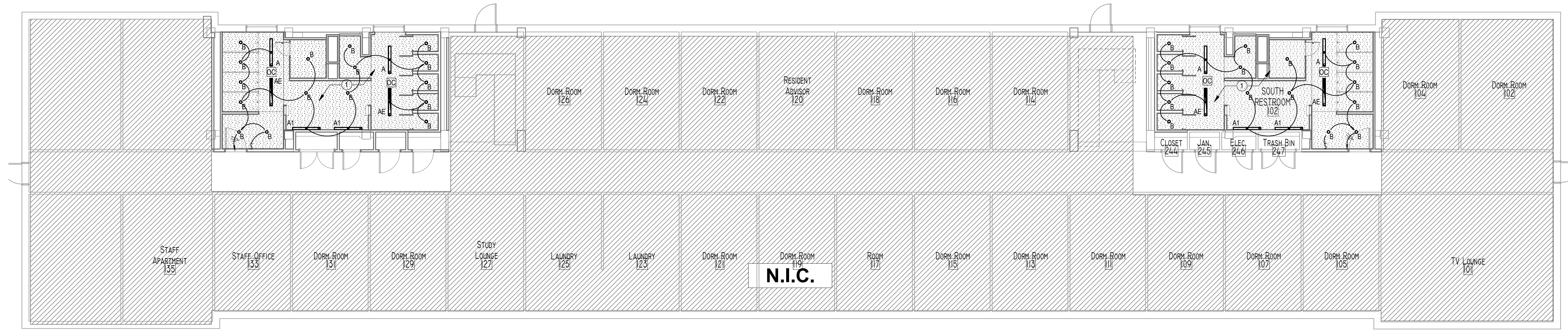
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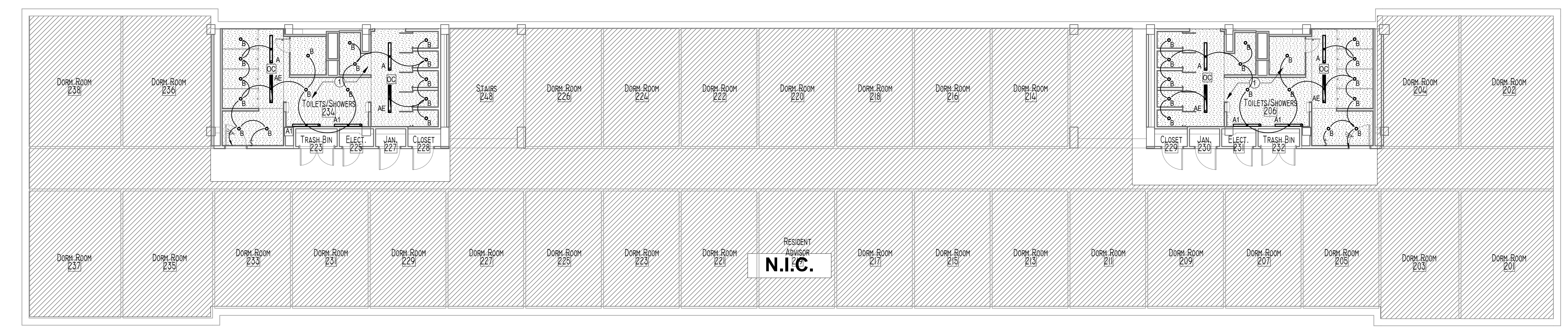
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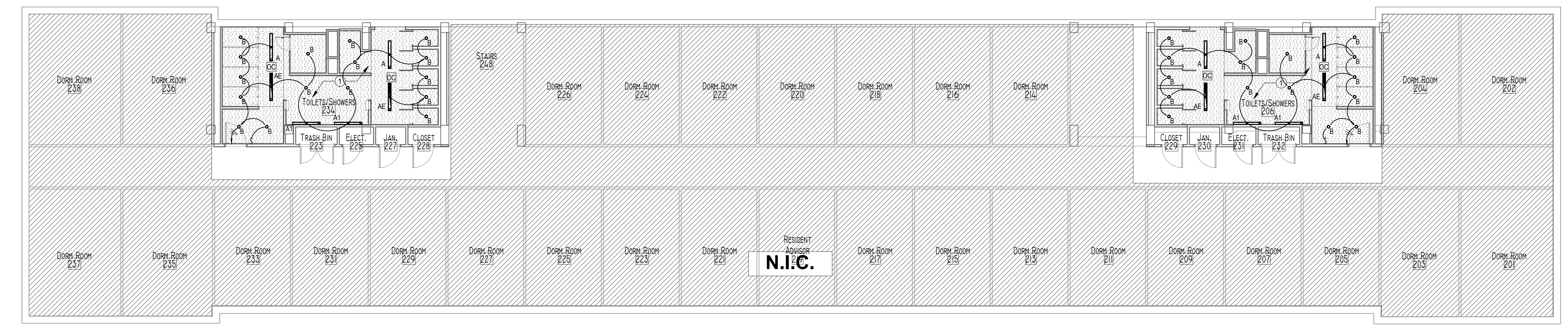
DATE	ISSUE
12/21/2017	ISSUE FOR BID AND OWNER REVIEW

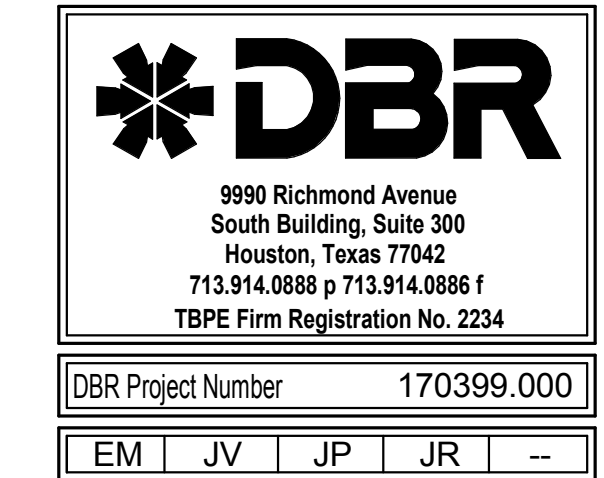


1 LEVEL 1 LIGHTING PLAN
EL2.01 1/8" = 1'-0"



2 LEVELS 2-3 LIGHTING PLAN
EL2.01 1/8" = 1'-0"

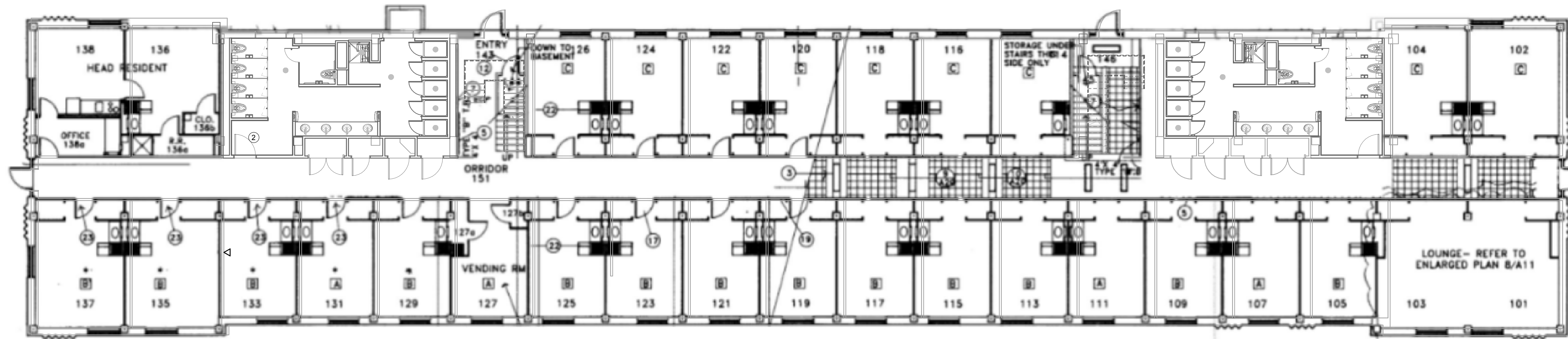




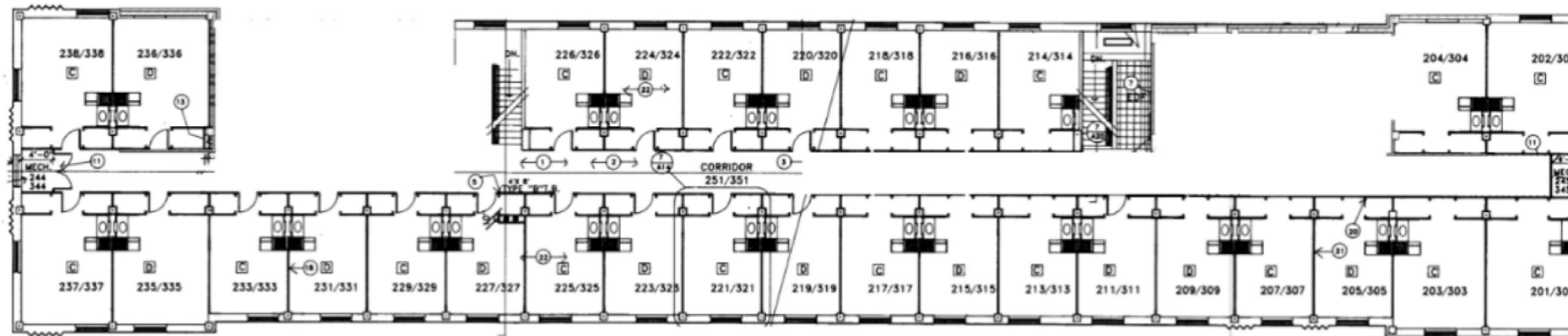
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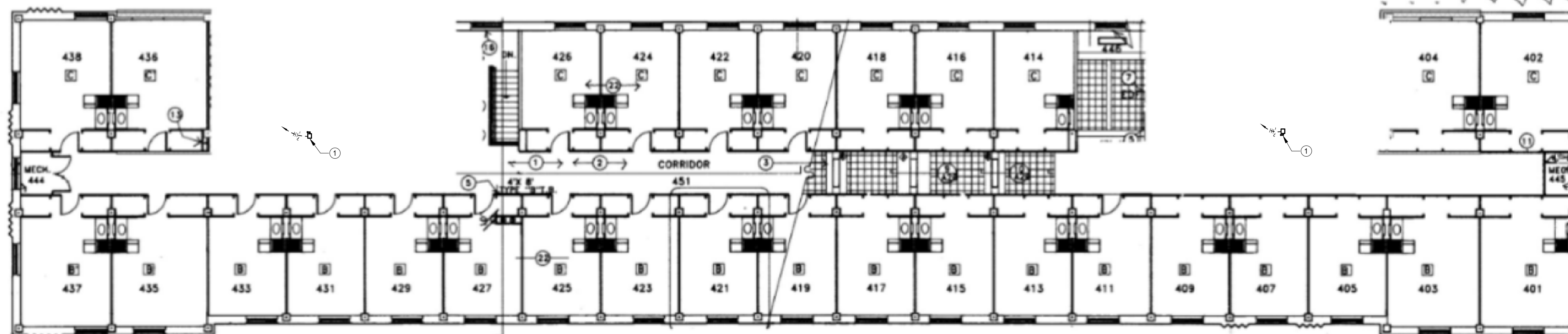
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FIRST LEVEL PLAN



SECOND/THIRD LEVEL PLAN



FOURTH LEVEL PLAN

1 POWER DEMO PLAN
EP1.01
1/8" = 1'-0"

- KEYED NOTES:**
- EXISTING EXHAUST FAN ON ROOF ABOVE TO BE REMOVED. DISCONNECT EXISTING CIRCUIT AND REMOVE WIRING BACK TO 4TH FLOOR PLENUM. DISCONNECT EXISTING LIGHTNING PROTECTION AIR TERMINAL.
 - LOCATION OF EXISTING STAFF OFFICE AND EXISTING SIEMENS FACP. EXISTING FACP SHALL BE DISCONNECTED AND RELOCATED PER SHEET EP2.01. EXISTING DATA AND PHONE OUTLETS SHALL BE RELOCATED TO NEW OFFICE LOCATION. WORK APPLIES TO MOSES HALL ONLY.

PROJECT NAME
**TAMU MOSES & DAVIS-GARY
DORMITORY RESTROOM
RENOVATION PROJECT**

PROJECT ADDRESS

KIRKSEY PROJECT NO. **2017228**

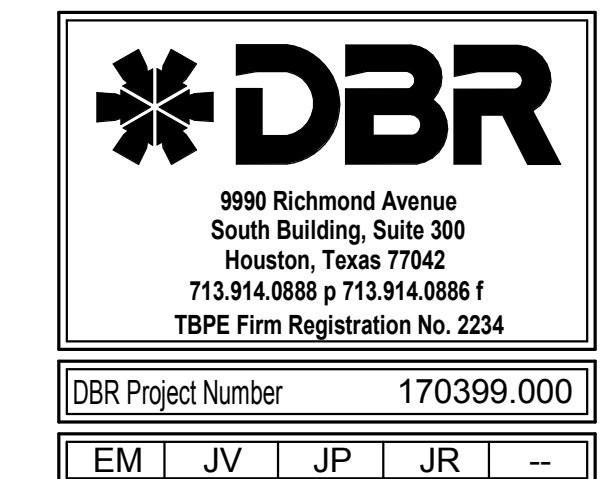
KEY PLAN

SHEET TITLE
POWER DEMO PLAN

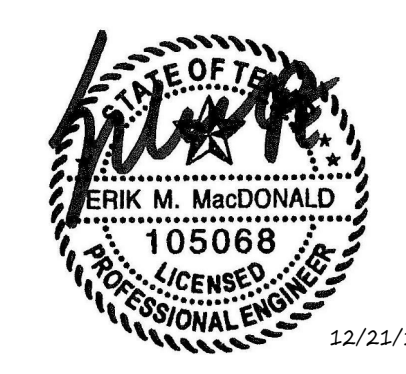
SHEET NUMBER
EP1.01

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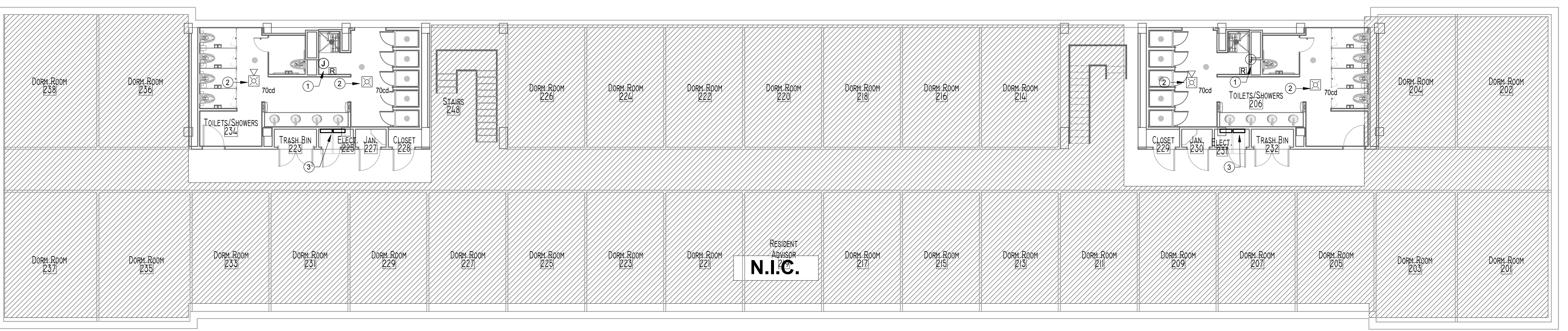
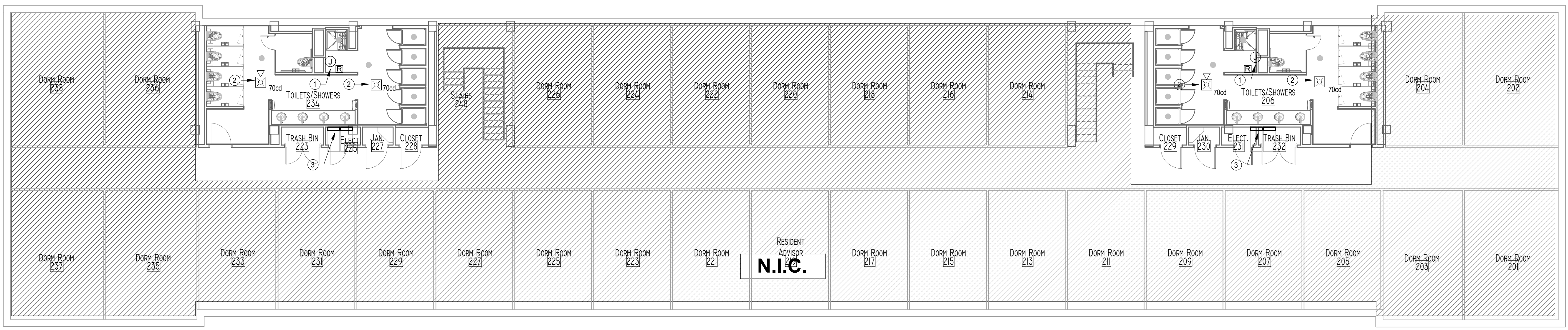
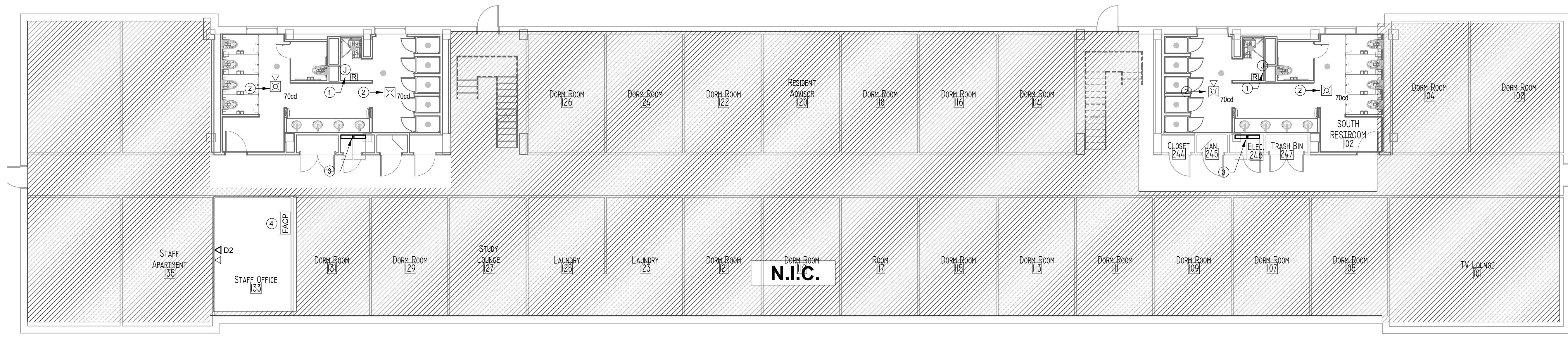
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DATE	ISSUE
12/21/2017	ISSUE FOR BID AND OWNER REVIEW



- KEYED NOTES:**
- PROVIDE FIRE ALARM MONITORING AND CONTROL RELAYS FOR (1) FIRE/SMOKE DAMPERS. PROVIDE POWER CONNECTED VIA RELAY ON EXISTING 120V ROOM LIGHTING CIRCUIT. COORDINATE WITH DIVISION 23 FOR EXACT LOCATIONS AND CONNECTION REQUIREMENTS. PROVIDE ACCESS PANEL FOR COMPONENTS RECESSED ABOVE CEILING.
 - EXISTING FIRE ALARM DEVICE SHALL BE REMOVED AND PROTECTED DURING DEMOLITION PHASE AND REINSTALLED ON EXISTING NOTIFICATION APPLIANCE CIRCUIT.
 - LOCATION OF EXISTING 120/208 PANEL, TYPICAL FOR LEVELS 1 THROUGH 4.
 - EXISTING FACP SHALL BE RELOCATED TO NEW STAFF OFFICE. EXISTING DATA AND PHONE OUTLETS SHALL BE RELOCATED TO NEW STAFF OFFICE. RECONNECT ALL EXISTING FIRE ALARM CIRCUITS. PROVIDE NEW POWER CONNECTION ON EXISTING DEDICATED 120V CIRCUIT. WORK APPLIES TO MOSES HALL ONLY.

PROJECT NAME
**TAMU MOSES & DAVIS-GARY
DORMITORY RESTROOM
RENOVATION PROJECT**

PROJECT ADDRESS

KIRKSEY PROJECT NO. 2017228
KEY PLAN

SHEET TITLE
POWER / FIRE ALARM PLAN

SHEET NUMBER
EP2.01

ABBREVIATIONS

A	ABV A/C AC ACCH ACCU ADJ ADJ AF AFC AFF AFG AHU AL AMB AP APD ARI ARCH AS ASHRAE ASME ASTM AV AVG AW AWS AUX	AIR (COMPRESSED) ABOVE AIR CONDITIONING ALTERNATING CURRENT AIR COMPRESSOR AIR COOLED CHILLER AIR COOLED CONDENSING UNIT ACCESS DOOR AREA DRAIN ADJUSTABLE AIR FILTER ABOVE FINISHED CEILING ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AIR HANDLING UNIT ALUMINUM AMBIENT ACCESS PANEL AIR PRESSURE DROP AMERICAN REFRIGERANT INSTITUTE ARCHITECT, ARCHITECTURAL AIR SEPARATOR AMERICAN SOCIETY OF HEATING AND REFRIGERATION ENGINEERS AMERICAN SOCIETY OF MECHANICAL ENGINEERS AMERICAN SOCIETY OF TESTING AND MATERIALS ADD VENT, AIR VENT AVERAGE ACID WASTE AMERICAN WELDING SOCIETY AUXILIARY
B	BC B/C BFF BFV BH BLDG BM BOP BOP BP BT BTU BV BWV	BOILER BELOW COUNTER BACK OF CURB BELOW FINISHED FLOOR BUTTERFLY VALVE BOX HYDRANT BUILDING BENCHMARK BOTTOM OF FOOTING BOTTOM PIPE BOTTOM OF STRUCTURE BACKFLOW PREVENTER BATH TUB, BREAK TANK BRITISH THERMAL UNIT BALL VALVE BACK WATER VALVE
C	C CAB CB CD CFM CFS CH CHP CHR CHS CHW CI CIRC CL CLG CLR CMP CMU CPI CPVC CO COL COMB COMP CON CONC COND CONN CONT CONTR	CELSIUS CABINET CATCH BASIN CONDENSATE DRAIN LINE CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CHILLER CHILLED WATER PUMP CHILLED WATER RETURN CHILLED WATER SUPPLY CHILLED WATER CAST IRON CIRCULATING CENTERLINE CEILING CLEAR CORRUGATED METAL PIPE CONCRETE MASONRY UNIT CAST IRON PIPE INSTITUTE CHLORINATED POLYVINYL CHLORIDE CLEAN OUT COLUMN COMBINATION COMPRESSOR CONVERTER CONCRETE, CONCENTRIC CONDENSER, CONDENSATE CONNECTION CONTINUOUS, CONTINUATION CONTROLLER, CONTRACTOR COMPUTER ROOM A/C UNIT CRAC CATHODE RAY TUBE CENTER TOWER CENTER COPPER COLD WATER CONDENSER WATER PUMP CONDENSER WATER RETURN CONDENSER WATER SUPPLY
D	DB DC DDC DESIG DTL DF DIA DIFF DIM DISC DN DR DRP DS DV DW DWH DWP DX	DEPTH, DRAIN, DRYER DRY BULB DOUBLE DUCT CONSTANT VOLUME, DIRECT CURRENT DIRECT DIGITAL CONTROL DESIGNATION DETAIL DRINKING FOUNTAIN DIAMETER DIFFUSER DIMENSION DISCONNECT DOWN DRAIN DRAIN DOUBLE DUCT VAV DISHWASHER DRAWING DOMESTIC WATER HEATER DOMESTIC WATER PUMP DIRECT EXPANSION
E	EA EAT EC ECC EDB EDF EDH EF EFF EJ EL ELEC ELEV EMERG ENCL ENGR EQ EQUIP ES ESP ET ETR EVAP EWB EXT EXT EXTG	EACH ENTERING AIR TEMPERATURE ELECTRICAL CONTRACTOR ECCENTRIC ENTERING DRY BULB ELECTRIC DRINKING FOUNTAIN ELECTRIC DUCT HEATER EXHAUST FAN EFFICIENCY EXPANSION JOINT ELEVATION ELECTRICAL ELEVATOR EMERGENCY ENCLOSURE ENGINEER EQUAL EQUIPMENT END SUCTION, EMERGENCY SHOWER EXTERNAL STATIC PRESSURE EXPANSION TANK EXISTING TO REMAIN EVAPORATOR ENTERING WET BULB ENTERING WATER TEMPERATURE EXPLOSION-PROOF EXTERNAL EXISTING

F	F FBO FCO FCS FCU FD FDD FDV FH FHC FHR FHN FIXT FLA FLEX FLR FLR FP FRZ FRZR FSK FSK FT FUT	FAHRENHEIT, FIRE FURNISHED BY OTHERS FLOOR CLEAN OUT FLOOR CONTROL STATION FAN COIL UNIT FLOOR DRAIN, FIRE DAMPER FIRE DEPARTMENT SIAMOSE CONNECTION FIRE DEPARTMENT VALVE FIRE HYDRANT FIRE HOSE CABINET FIRE HOSE RACK FINISHED FIXTURE FULL LOAD AMPS FLEXIBLE FLOW LINES FLOOR FAN POWERED MIXING BOX FIRE PUMP FREEZER FIRE SWITCH, FIRE SPRINKLER FLOOR SINK FOOT, FEET FUTURE
G	G GA GAL GALV GC GLV GND GPD GPH GPM GSH GTH GV	GAS GAUGE GALLON GALVANIZED GENERAL CONTRACTOR GLOBE VALVE GROUND GALLONS PER DAY GALLONS PER HOUR GALLONS PER MINUTE GRAND SERVICE HEAT GRAND TOTAL HEAT GATE VALVE
H	HB HD HE HF HORIZ HP HPU HWP HSC HSTAT HT HTG HTR HW HWC HWP HWS HZ	HOSE BIBB HEAD, HUB DRAIN HEAT EXCHANGER HUMIDIFIER HORIZONTAL HORSEPOWER, HALON PANEL HEAT PUMP UNIT HOUSEKEEPING PAD HORIZONTAL SPLIT CASE HUMIDISTAT HEIGHT HEATING HEATER HOT WATER HOT WATER CIRCULATOR HEATING WATER PUMP HOT WATER RETURN HOT WATER SUPPLY HERTZ
I	ID IE IH IN INSUL INT INV IW	INSIDE DIAMETER INVERT ELEVATION INFRARED HEATER INCH INSULATION INTERNAL, INTERIOR INVERT INDIRECT WASTE
J	JB JP	JUNCTION BOX JOCKEY PUMP
K	KCC KO KVA KW	KITCHEN EQUIPMENT CONTRACTOR KNOCKOUT KILOWOLT- AMPS KILOWATT
L	L LAT LAV LF LP LRA LVL LWB LWCO LWT	LENGTH, LAVATORY LEAVING AIR TEMPERATURE LAVATORY LINEAR FEET LOW PRESSURE LOOKED ROTOR AMPS LEVEL LEAVING WET BULB LOW WATER CUT OFF LEAVING WATER TEMPERATURE
M	MAT MAX MBTUH MC MECH MFR MH MH MIN MP MS MTD MU MVD	MIXED AIR TEMPERATURE MAXIMUM THOUSAND OF BTU'S MECHANICAL CONTRACTOR MECHANICAL MANUFACTURER MANHOLE MALLEABLE IRON MINIMUM MEDIUM PRESSURE MOP SINK MOUNTED MAKE-UP MANUAL VOLUME DAMPER
N	N.C. NFPA NIC NO NTS	NORMALLY CLOSED NATIONAL FIRE PROTECTION ASSOCIATION NOT IN CONTRACT NORMALLY OPEN NUMBER NOT TO SCALE
O	OA OAF OAHU OC OD ODU OPG OS&Y	OUTSIDE AIR OUTSIDE AIR FAN OUTSIDE AIR HANDLING UNIT OPPOSED BLADE DAMPER ON CENTER OUTSIDE DIAMETER, OVERFLOW DRAIN OUTSIDE AIR FAN COIL UNIT OPENING OPEN STEM AND YOLK
P	P PC PDR PD PE PIV PUB PNEU PNL	PUMP, PLUMBING EQUIPMENT PLUMBING CONTRACTOR PUMPED CONDENSATE RETURN PRESSURE DROP, PLANTER DRAIN PHASE, POST HYDRANT POST INDICATOR VALVE PLUMBING PNEUMATIC PANEL

P	PG PNH PP PPM PRI PRS PRV PSF PSI PSIG PV PVC	PRESSURE GAUGE PENTHOUSE POLYPROPYLENE PART PER MILLION PRIMARY PRESSURE REDUCING STATION PRESSURE REDUCING VALVE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH GAUGE PLUG VALVE POLYVINYL CHLORIDE
Q	QTY	QUANTITY
R	RA RAD RAF RAG RAT RCP RD RE RECIRC RED REFR REG REIN REDD REV RH RHG RL RLA RM RPM RS RTU RV	RETURN AIR REFRIGERATED AIR DRYER RETURN AIR FAN RETURN AIR GRILL RETURN AIR TEMPERATURE REFLECTED CEILING PLAN, REINFORCED CONCRETE PIPE ROOF DRAIN REFERENCE, REFER RECIRCULATE REDUCER REFRIGERATOR REGISTER REINFORCING REQUIRED REVISION, REVISE RELATIVE HUMIDITY REFRIGERANT HOT GAS REFRIGERANT LIQUID RUNNING LOAD AMPS ROOM, REFRIGERATION MACHINE REVOLUTIONS PER MINUTE REFRIGERANT SUCTION ROOFTOP UNIT RELIEF VALVE
S	SA SAF SAG SAN SAR SC SCHED SD SE SEC SECT SENS SF SFC SH SHT SM SK SM SP SPEC SPR SQ SS SSSC STD STL STR SURF SUSP SV SW	SUPPLY AIR SUPPLY AIR FAN SUPPLY AIR GRILLE SANITARY SEWER SUPPLY AIR REGISTER STEAM CONDENSATE SCHEDULED STORM DRAIN SEWAGE EJECTOR SECONDARY SECTION SENSIBLE SQUARE FEET SPRINKLER FLOOR CONTROL STATION SHOWER SHEET SIMILAR SINK SHEETMETAL SUMP PUMP, STATIC PRESSURE SPECIFICATION SPRINKLER SQUARE SERVICE SINK SENSIBLE SQUARE FEET SPRINKLER FLOOR CONTROL STATION SHOWER SHEET SIMILAR SINK SHEETMETAL SUMP PUMP, STATIC PRESSURE SPECIFICATION SPRINKLER SQUARE SERVICE SINK SENSIBLE SQUARE FEET STANDARD STEEL STRAINER SURFACE SUSPEND SANITARY VENT SOFT WATER
T	TC TCC TD TAV TF TDH TH BLK THERM TMV TP TRD TSP TSTAT TW TYP	TEMPERATURE CONTROL TEMPERATURE CORNEAL COMPRESSOR TRENCH DRAIN LAVATORY TOTAL DYNAMIC HEAD THRUST BLOCK THERMOMETER THERMOSTATIC MIXING VALVE TRAP PRIMER TRAP DEVICE TOTAL STATIC PRESSURE THERMOSTAT TEMPERED HOT WATER TYPICAL
U	U UCD UG UH UL UNO U/F U/S	URINAL UNDER CUT DOOR UNDERGROUND UNIT HEATER UNDERWRITERS LABORATORIES, INC. UNLESS NOTED OTHERWISE UNDERFLOOR UNDERSLAB
V	V VA VAC VAV VB VD VEL VENT VFD VB VVD VP VR VTR	VOLT, VENT VOLT- AMPERE VACUUM VARIABLE AIR VOLUME VALVE BOX, VACUUM BREAKER VOLUME DAMPER VELOCITY VERTICAL VARIABLE FREQUENCY DRIVE VALVE IN BOX VALVE ON VERTICAL VACUUM PUMP VARIABLE AIR VOLUME REHEAT VENT THRU ROOF
W	W W/ W/O WB WC WCO WH WM WP WPR WPF WT	WATT, WASTE, WIDTH, WASHER WITH WITHOUT WET BULB WATER CLOSET WALL CLEANOUT WALL HYDRANT WATER METER WEATHERPROOF WATER PRESSURE DROP WELDED WIRE FABRIC WATERTIGHT, WEIGHT
Y	Y	YARD HYDRANT
Z	Z	ZONE

MECHANICAL/PLUMBING SYMBOLS

PIPING TYPES	CWS CWR CHS CHR HWS HWR RHR RS RL S (30#) SC SD SD AW AV DC DG DO AW AV DC DG DO AW AV DC DG DO	CONDENSER WATER SUPPLY CONDENSER WATER RETURN CHILLED WATER SUPPLY CHILLED WATER RETURN HEATING HOT WATER SUPPLY HEATING HOT WATER RETURN REFRIGERANT HOT GAS LINE REFRIGERANT SUCTION LINE REFRIGERANT LIQUID LINE STEAM (PSIG) STEAM CONDENSATE SANITARY DRAIN BELOW FLOOR SANITARY DRAIN ABOVE FLOOR SANITARY VENT GREASE (KITCHEN) WASTE STORM DRAIN OVERFLOW DRAIN ACID WASTE ACID VENT DOMESTIC COLD WATER DOMESTIC HOT WATER DOMESTIC HOT WATER RECIRCULATION NATURAL GAS NATURAL GAS (5 LBS.) GAS UNDERGROUND GAS ON ROOF ABOVE COMPRESSED AIR FIRE STANDPIPE, FIRE LINE FIRE SPRINKLER TRAP PRIMER DRAIN LINE TEMPERED WATER
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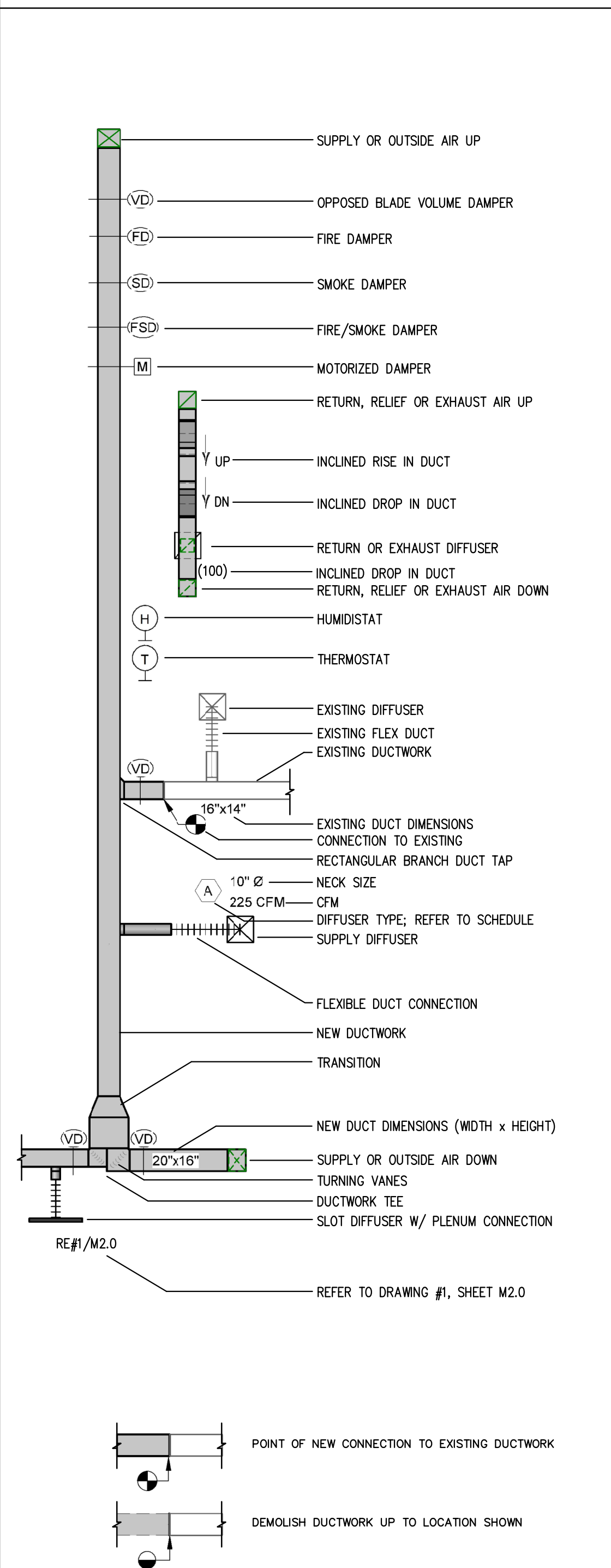
PIPING SYMBOLS

CAP ON END OF PIPE ELBOW UP ELBOW DOWN VALVE IN DROP VALVE IN RISE DIRECTION OF FLOW DIRECTION OF SLOPE DOWN CONCENTRIC REDUCER ECCENTRIC REDUCER TEE OUTLET UP TEE OUTLET DOWN UNION PIPE ANCHOR EXPANSION JOINT STRAINER WITH BLOW DOWN VALVE GATE VALVE, HVAC BALANCING/STOP VALVE GLOBE VALVE BALL VALVE BALANCING VALVE WITH DIFFERENTIAL PRESSURE TAPS OS&Y VALVE CHECK VALVE BUTTERFLY VALVE TWO-WAY MODULATING CONTROL VALVE THREE-WAY MODULATING CONTROL VALVE SOLENOID VALVE PRESSURE REDUCING VALVE GAS REGULATOR GAS COCK OR PLUG VALVE SPRINKLER FLOOR CONTROL STATION MANUAL AIR VENT AUTOMATIC AIR VENT T&P RELIEF VALVE LINE CLEANOUT/WALL CLEANOUT FLOOR CLEANOUT FLOOR CLEANOUT AT GRADE PRESSURE GAUGE WITH GAUGE COCK THERMOMETER WATER METER FLEXIBLE CONNECTION PRESSURE AND TEMPERATURE TAP FLOW VENTURI VACUUM BREAKER VACUUM RELIEF VALVE BACKFLOW PREVENTER CIRCULATING PUMP STEAM TRAP	
--	--

MISCELLANEOUS

FLOOR SINK FLOOR DRAIN AREA DRAIN ROOF DRAIN OR OVERFLOW DRAIN HOSE BIBB WALL HYDRANT PLUMBING FIXTURES POINT OF NEW CONNECTION TO EXISTING PIPING ELECTRICAL DRAWING NOTE REFERENCE MECHANICAL DRAWING NOTE REFERENCE PLUMBING DRAWING NOTE REFERENCE RISER DESIGNATION: "R" DENOTES WASTE/VENT OR WASTE VENT/WATER, "W" DENOTES WATER, "DS" DENOTES DOWNSPOUT, "F" DENOTES FIRE FLOW SWITCH TAMPER SWITCH FIRE HOSE CABINET FIRE DEPARTMENT SIAMOSE CONNECTION DUCT SMOKE DETECTOR: "SA" DENOTES SUPPLY AIR, "RA" DENOTES RETURN AIR	
--	--

DUCTWORK



GENERAL NOTES

1. REFER TO M2.01 FOR MECHANICAL GENERAL NOTES.

DATE: 21 DEC 2017
ISSUE: ISSUED FOR BID AND OWNER REVIEW

PROJECT NAME: DAVIS-GARY (18)

PROJECT ADDRESS:

KIRKSEY PROJECT NO.: 2017228

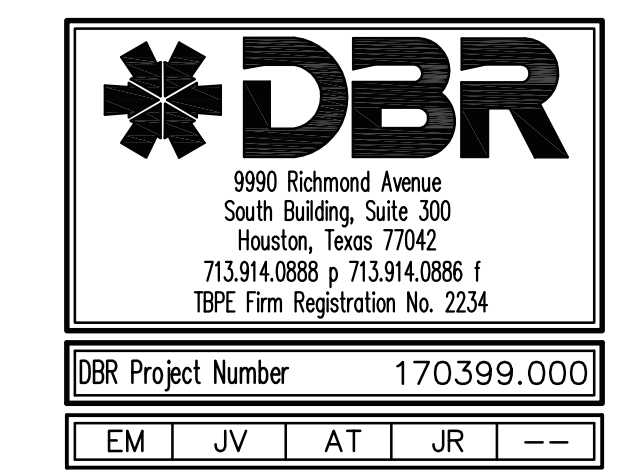
KEY PLAN:

SHEET TITLE: MECHANICAL SYMBOLS AND ABBREVIATIONS

SHEET NUMBER: M0.01



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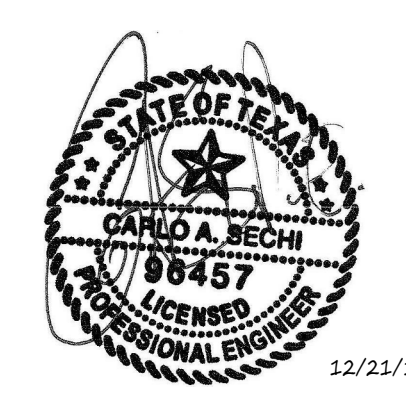
SHEET TITLE: MECHANICAL SYMBOLS AND ABBREVIATIONS

SHEET NUMBER: M0.01

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DBR Project Number 170399.000
EM JV JP JR --

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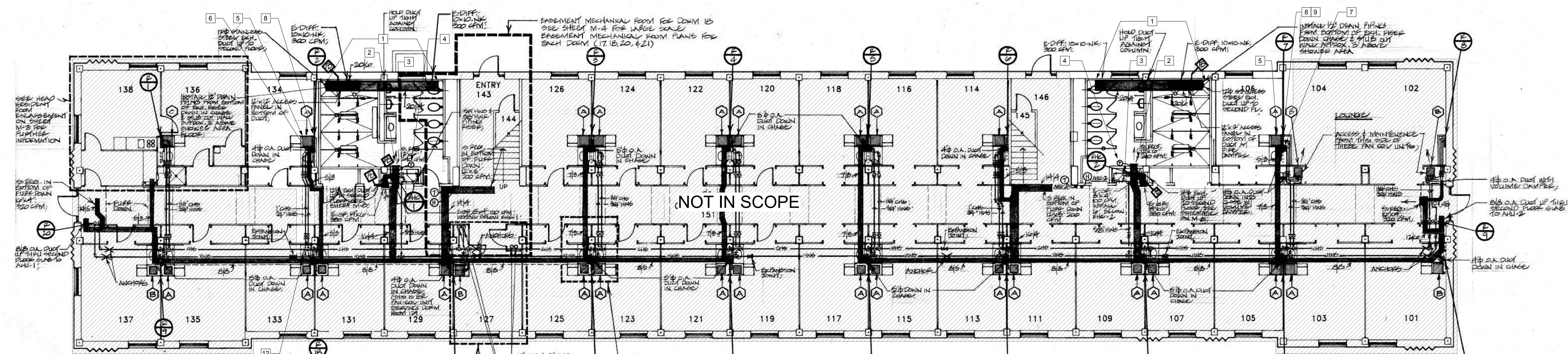
PROJECT NAME
TAMU MOSES & DAVIS-GARY DORMITORY RESTROOM RENOVATION PROJECT

PROJECT ADDRESS

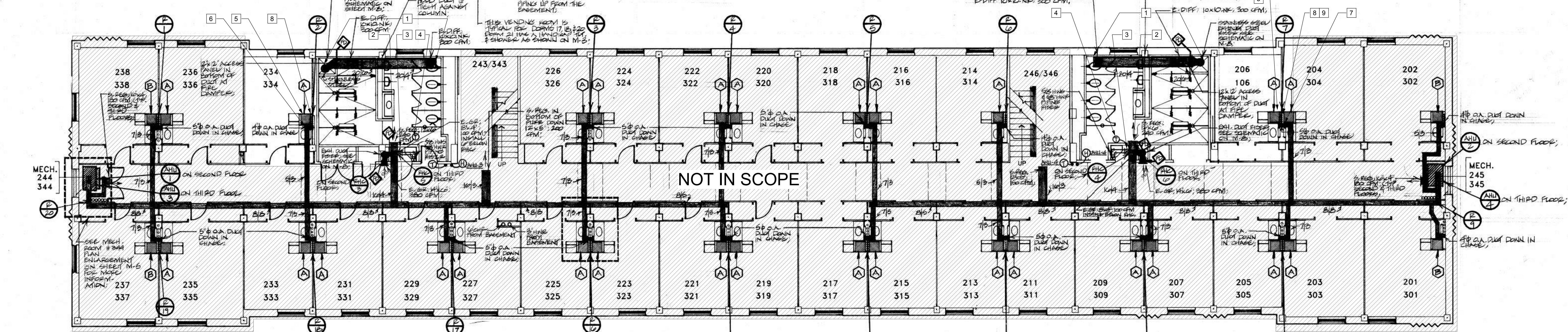
KIRKSEY PROJECT NO. 2017228
KEY PLAN

SHEET TITLE
MECHANICAL DEMO PLAN

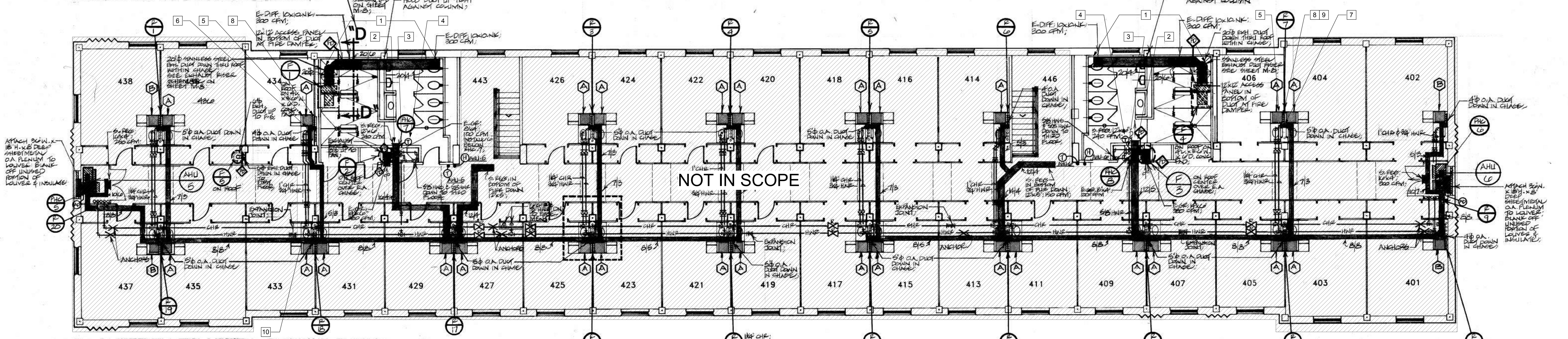
SHEET NUMBER
M1.01



FIRST FLOOR PLAN - MECHANICAL
DORM 18 SHOWN - 17, 20, 21 SIMILAR
1/8"=1'0"



SECOND FLOOR PLAN MECHANICAL THIRD FLOOR PLAN SIMILAR
DORM 18 SHOWN - 17, 20, 21 SIMILAR
1/8"=1'0"



FOURTH FLOOR PLAN - MECHANICAL
DORM 18 SHOWN - 17, 20, 21 SIMILAR
1/8"=1'0"

MECHANICAL DEMO KEYED NOTES:

- 1 REMOVE EXISTING EXHAUST DUCTWORK ALONG WITH DIFFUSERS, DUCT SUPPORTS AND ACCESSORIES UP TO EXHAUST FAN ON ROOF.
- 2 REMOVE EXISTING SUPPLY GRILLE, SUPPLY DUCTWORK AND FIRE DAMPER IN WALL. REMOVE DUCTWORK UP TO HOT WATER COIL AND PROVIDE CAP ON OPEN END OF DUCT. SEAL DUCT AIR TIGHT.
- 3 CLOSE HOT WATER VALVES IN RETURN PIPE OF HOT WATER COIL.
- 4 REMOVE EXISTING THERMOSTAT ALONG WITH ASSOCIATED CONTROL WIRING.
- 5 REMOVE EXISTING FAN COIL UNIT ALONG WITH ASSOCIATED SUPPLY AND RETURN AIR DUCTWORK ALONG WITH RETURN AIR PLenum. REMOVE EXISTING THERMOSTAT ALONG WITH CONTROL WIRING.
- 6 DEMOLISH EXISTING FAN COIL UNIT OUTSIDE AIR DUCT UP TO CORRIDOR. PROVIDE CAP ON OPEN END OF DUCT. SEAL DUCT AIR TIGHT.
- 7 DEMOLISH EXISTING FAN COIL UNIT OUTSIDE AIR DUCT UP TO DUCT SPLITTER BETWEEN DORM ROOMS. PROVIDE CAP ON OPEN END OF DUCT. SEAL DUCT AIR TIGHT.
- 8 REMOVE EXISTING FAN COIL UNIT CHILLED AND HOT WATER SUPPLY AND RETURN PIPING, CONDENSATE DRAIN PIPING, AND RISERS ALONG WITH ASSOCIATED ACCESSORIES AND PIPING SUPPORTS.
- 9 DEMOLISH EXISTING CHILLED AND HOT WATER RETURN PIPES UP TO RISER ISOLATION VALVES.
- 10 DEMOLISH EXISTING CHILLED AND HOT WATER RETURN PIPES UP TO BRANCH ISOLATION VALVES LOCATED IN MECHANICAL CLOSET OF DORM 433 ACROSS THE CORRIDOR.

MECHANICAL DEMO KEYED NOTES (CONTINUED):

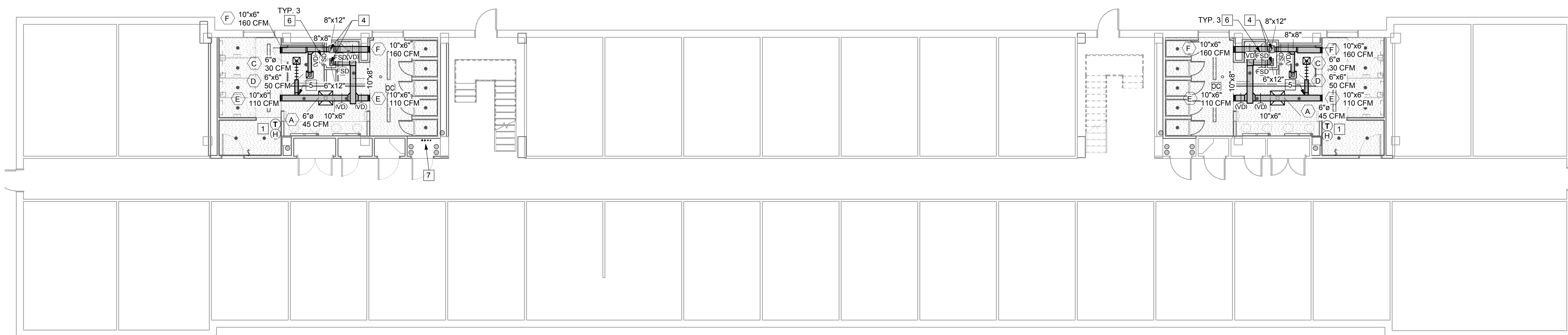
- 11 DEMOLISH EXISTING CHILLED AND HOT WATER SUPPLY PIPES UP TO ISOLATION VALVES.
- 12 DEMOLISH EXISTING CHILLED AND HOT WATER SUPPLY PIPES UP TO BRANCH ISOLATION VALVES LOCATED IN MECHANICAL CLOSET OF DORM 133 ACROSS THE CORRIDOR.



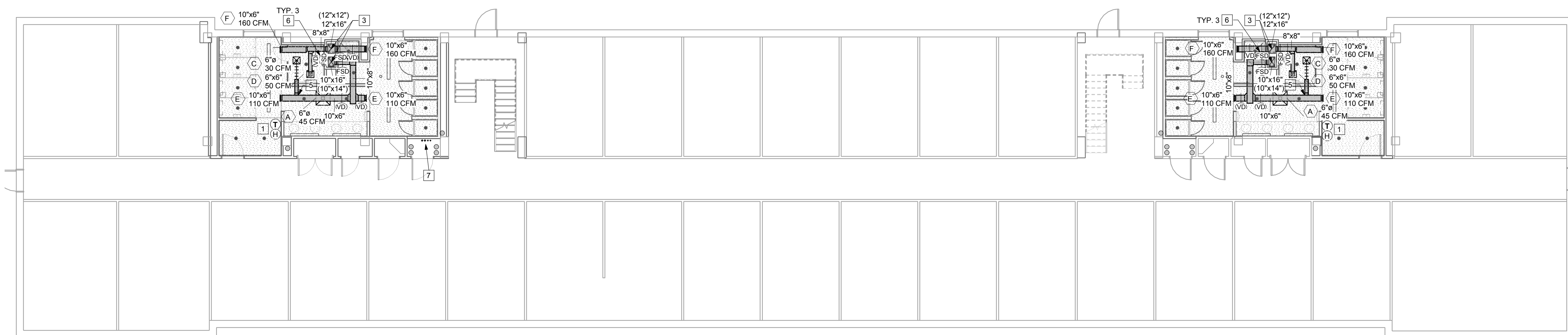
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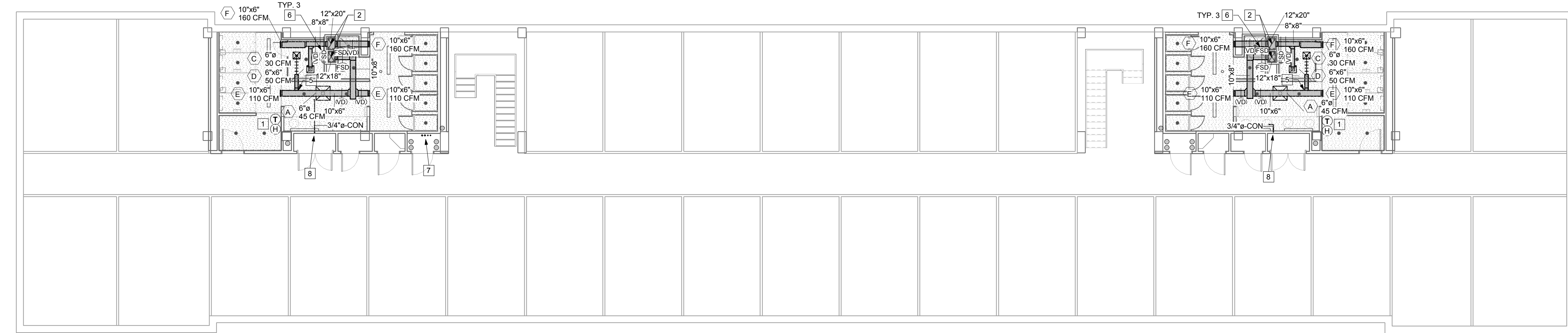
DATE	ISSUE
12/21/2017	ISSUE FOR BID AND OWNER REVIEW



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



2 LEVELS 2-3 MECHANICAL PLAN
M2.01 1/8" = 1'-0"



3 LEVEL 4 MECHANICAL PLAN
M2.01 1/8" = 1'-0"

MECHANICAL GENERAL NOTES:

- PIPING AND DUCTWORK SHOWN ON PLANS ARE SCHEMATIC ONLY. COORDINATE WITH OTHER TRADES FOR PIPING AND DUCTWORK ROUTING, OFFSET AND RUN PIPING DUCTWORK INSIDE THE STRUCTURE IF REQUIRED. PROVIDE ALL NECESSARY PIPING, DUCTWORK, FITTINGS, INSULATION, AND OTHER ACCESSORIES IN ORDER TO COMPLETE THE INSTALLATIONS.
- CONTRACTOR SHALL COORDINATE WITH STRUCTURAL CONTRACTOR AT THE SITE PRIOR TO INSTALLATION OF EQUIPMENT, PIPING OR DUCTWORK AND PROVIDE ALL CLEARANCES AS REQUIRED.
- CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
- EQUIPMENT SIZES, DIMENSIONS, AND REQUIRED CONNECTIONS SHALL BE VERIFIED WITH THE MANUFACTURER DRAWINGS AND CUT-SHEETS BEFORE FABRICATING OF DUCTWORK, PIPING.
- MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL OUTSIDE AIR INTAKES TO MAINTAIN 15 FEET DISTANCE BETWEEN OUTSIDE AIR INTAKES AND ANY EXHAUST AIR OUTLET, FLUES OR PLUMBING VENTS. COORDINATE WITH PLUMBING CONTRACTOR AND OTHER TRADES.
- EXACT LOCATIONS OF MECHANICAL EQUIPMENT, GRILLES, AND DAMPERS SHALL BE FIELD COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS AND ALLOW ADEQUATE CLEARANCES.
- DUCT SIZES SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS.
- ALL LOW PRESSURE DUCTWORK AND ASSOCIATED ACCESSORIES SHALL BE CONSTRUCTED TO MEET THE LATEST SMACNA STANDARDS FOR LOW PRESSURE DUCTWORK.
- PROVIDE INSULATION FOR ALL DUCTWORK AND PIPING THAT MEETS ASHRAE 90.1-2013 AS SPECIFIED IN SECTION 230713 AND 230719.

MECHANICAL GENERAL NOTES (CONTINUED):

- FASTEN AND SEAL ALL DUCTWORK JOINTS, LONGITUDINAL AND TRAVERSE SEAMS AND CONNECTIONS PER 2015 IMC SECTION 603.9. DUCT SEALANT SHALL BE INSPECTED PRIOR TO DUCTWORK BEING INSULATED.
- DIVISION 23 MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ACTUAL INSTALLATION OF TEMPERATURE SENSORS AND HUMIDITY SENSORS.
- PROVIDE YOUNG'S REGULATOR DAMPER FOR SPIN-IN CONNECTIONS AND VOLUME DAMPERS LOCATED OVER GYPSUM CEILINGS. TYPICAL. RE: DETAIL 12M4.01.
- PROVIDE RECTANGULAR BRANCH DUCT TAP FOR ALL RECTANGULAR DUCT CONNECTIONS TO RECTANGULAR DUCT TRUNKS. TYPICAL. RE: DETAIL 10M4.01.
- PROVIDE AIRFOIL TYPE TURNING VANES IN ALL 90 DEGREE ELBOWS.
- COORDINATE LOCATIONS OF FLOOR, ROOF, AND WALL OPENINGS WITH ARCHITECT AND STRUCTURAL ENGINEER.
- ALL CEILING MOUNTED AND WALL MOUNTED AIR DEVICE FINISHES SHALL MATCH ADJACENT ARCHITECTURAL SURFACE. CONTRACTOR SHALL COORDINATE COLOR WITH ARCHITECT.
- ALL CHILLED WATER AND HOT WATER PIPING LOCATED OUTSIDE OF BUILDING TO BE INSULATED AND JACKETED TO RESIST UV-EXPOSURE AND WEATHERING.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY TESTING AND BALANCING FOR THIS PROJECT. REFER TO SECTION 230593 FOR SPECIFICATIONS.

MECHANICAL KEYED NOTES:

- PROVIDE WALL MOUNTED TEMPERATURE AND HUMIDITY SENSOR FOR ASSOCIATED ENERGY RECOVERY UNIT AT LOCATION SHOWN. COORDINATE WITH ARCHITECT FOR FINAL LOCATION AND MOUNTING HEIGHTS. REFER TO CONTROL DIAGRAM AND SEQUENCE OF OPERATION ON SHEET M4.01.
- ROUTE SUPPLY AND EXHAUST AIR DUCT UP THROUGH ROOF. REFER TO M2.02 FOR CONTINUATION. RE: DETAIL 7M4.01.
- ROUTE SUPPLY AND EXHAUST AIR DUCT DOWN THROUGH FLOOR BELOW. SEE PLAN FOR SIZE. RE: M5.01 FOR RISER DIAGRAMS.
- ROUTE SUPPLY AND EXHAUST AIR DUCT UP THROUGH FLOOR ABOVE. SEE PLAN FOR SIZE. RE: M5.01 FOR RISER DIAGRAMS.
- PROVIDE SPIN-IN FITTING WITH LOCKING QUADRANT BUTTERFLY DAMPER FOR ALL ROUND DUCT CONNECTIONS TO RECTANGULAR DUCT. RE: DETAIL 11M4.01.
- PROVIDE RUSKIN FSD600W OUT OF WALL COMBINATION FIRE/SMOKE DAMPER OR APPROVED EQUAL IN DUCT AT SHAFT WALL PENETRATION. RE: DETAIL 8 & 9M4.01.
- ROUTE 1-1/2" CHS&R AND 1" HWS&R PIPES FROM BASEMENT UP TO ROOF.
- ROUTE CONDENSATE FROM ENERGY RECOVERY UNIT ON ROOF TO LAVATORY TALLPIECE.

PROJECT NAME
**TAMU MOSES & DAVIS-GARY
DORMITORY RESTROOM
RENOVATION PROJECT**

PROJECT ADDRESS

KIRKSEY PROJECT NO. 2017228

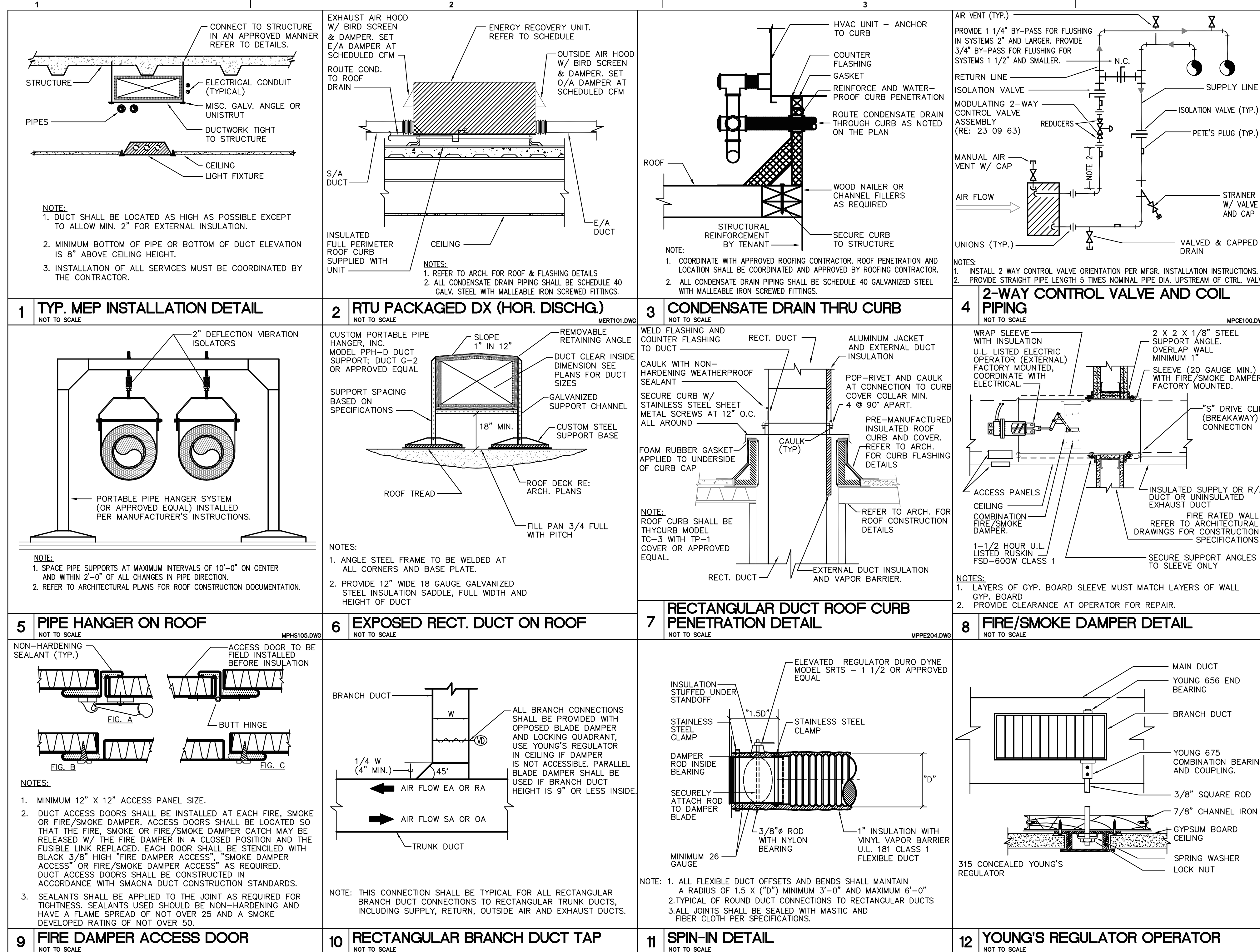
KEY PLAN

SHEET TITLE
MECHANICAL PLAN

SHEET NUMBER

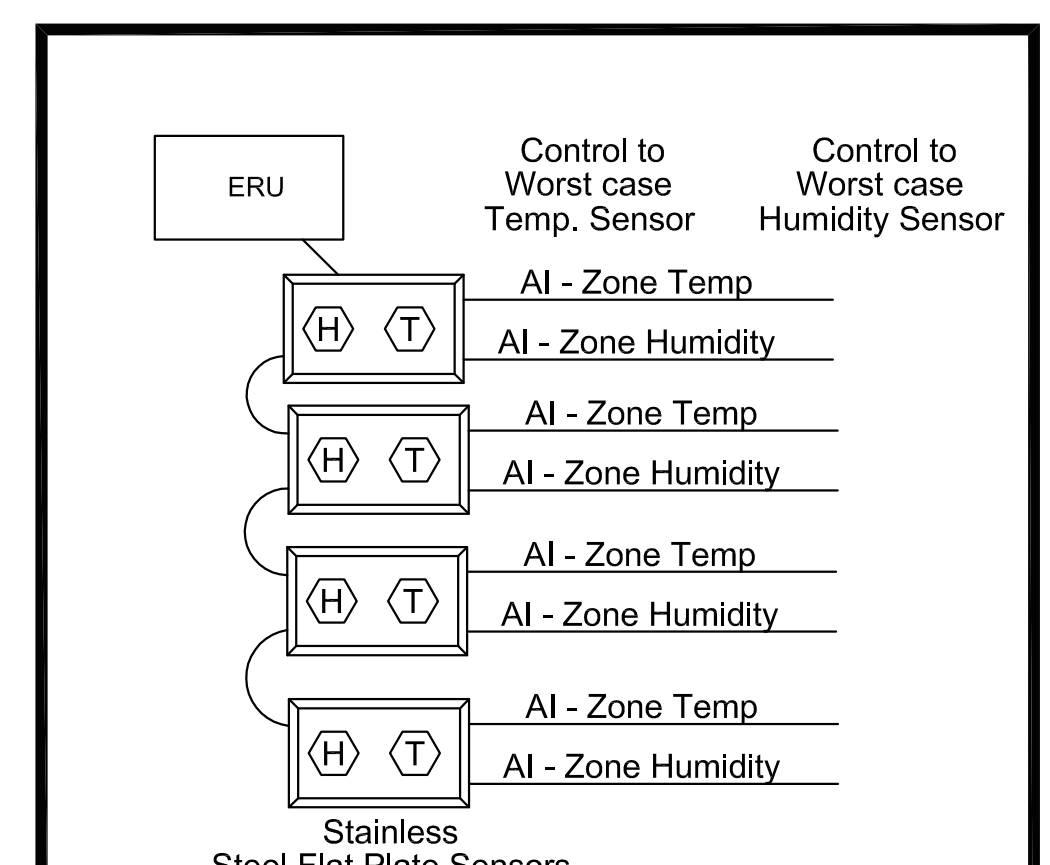
M2.01

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AIR DEVICE SCHEDULE			
MARK	MFR. & MODEL	TYPE	REMARKS
A	TITUS TMS-AA	LOUVERED FACE SUPPLY AIR DIFFUSER	24"x24" FACE, ALUMINUM CONSTRUCTION WITH FRAME FOR SURFACE MOUNT.
C	TITUS TMS-AA	LOUVERED FACE SUPPLY AIR DIFFUSER	24"x24" FACE, ALUMINUM CONSTRUCTION WITH FRAME FOR SURFACE MOUNT.
D	TITUS PAR-AA	PERFORATED FACE RETURN AIR GRILLE	24"x24" FACE, ALUMINUM CONSTRUCTION WITH FRAME FOR GYP-BOARD CEILING. PROVIDE O.B.D. FOR DUCTED EXHAUST.
E	TITUS 300FL	SIDEWALL SUPPLY AIR GRILLE	ALUMINUM CONSTRUCTION WITH FRAME FOR SURFACE MOUNT. 3/4" BLADE SPACING, DOUBLE DEFLECTION WITH FRONT BLADES PARALLEL TO LONG DIMENSION. PROVIDE O.B.D.
F	TITUS 350FL	SIDEWALL RETURN AIR GRILLE	ALUMINUM CONSTRUCTION WITH FRAME FOR SURFACE MOUNT. 3/4" BLADE SPACING, 35° DEFLECTION WITH BLADES PARALLEL TO LONG DIMENSION. PROVIDE O.B.D. FOR DUCTED EXHAUST.

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH.
2. REFER TO MECHANICAL FLOOR PLAN FOR NECK SIZES.
3. PROVIDE FRAME TO MATCH CEILING TYPE. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND LIGHTING PLANS.



BUILDING MANAGEMENT SYSTEM SCOPE OF WORK: ENERGY RECOVERY UNITS

Building Management System Contractor shall provide all necessary controls components to interface the ERU's into the existing BMS to monitor, control, and display status and alarms. Provide graphics page for new ERU's with alarms, monitoring points, and setpoints to match existing BMS graphics. Add ERU's to the dynamic colored floor plans. Refer to specification 237200 Air-to-Air Energy Recovery Ventilator for additional information.

Scheduling ON/OFF of unit via time-of-day scheduling shall be by the BMS.

Supply and Exhaust Fan speeds shall be by the BMS.

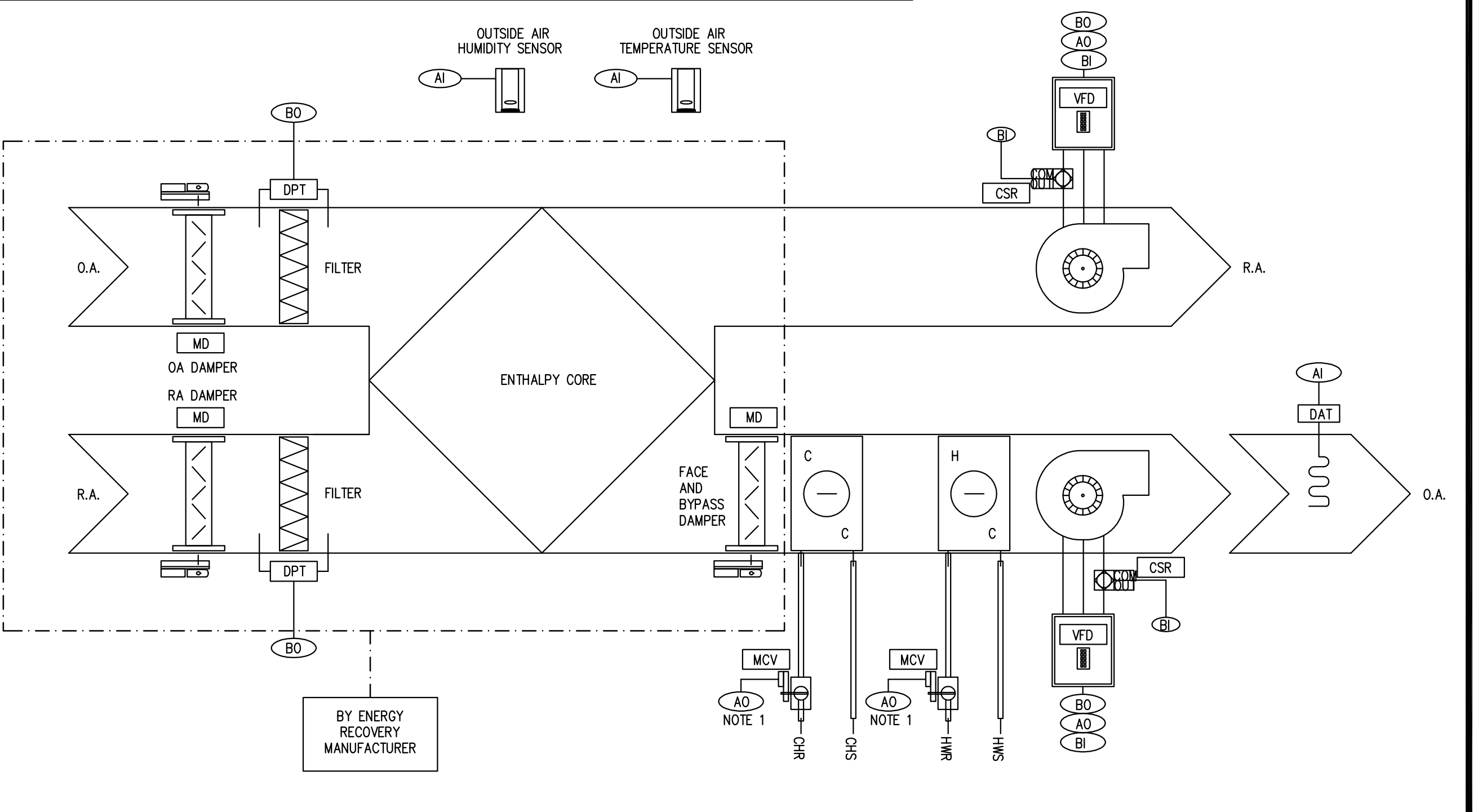
COOLING/HEATING CHANGEOVER: The BMS contractor shall provide a temperature and humidity sensor with no local override and no setpoint adjustment at location shown on floor plan for each floor. The BMS shall monitor all temperature and humidity sensors and control to the worst case temperature and humidity sensor. The ERU shall changeover from heating to cooling based on the vote from three out of four temperature sensors.

COOLING MODE: When the space temperature is above the Cooling Setpoint, the supply fan shall operate at the scheduled airflow value and the cooling coil control valve shall be modulated to maintain the space temperature within +/- 0.5 F of the Cooling Setpoint.

HEATING MODE: When the space temperature is below the Heating Setpoint, the supply fan speed shall operate at the scheduled airflow value and the heating coil control valve shall be modulated to maintain the space temperature within +/- 0.5 F of the Heating Setpoint.

DE-HUMIDIFICATION MODE: When the space humidity is above the space humidity high-limit setpoint, the cooling coil control valve shall be modulated to 100% open and the heating coil control valve shall be modulated to maintain the space temperature within +/- 0.5 F of the Active Setpoint.

System Setpoints - The setpoints for the system shall be determined as follows:
The Occupied Heating Setpoint shall be set initially at 72 F (adjustable).
The Occupied Cooling Setpoint shall be set initially at 74 F (adjustable).
The Unoccupied Heating Setpoint shall be set initially at 55 F (adjustable).
The Unoccupied Cooling Setpoint shall be set initially at 85 F (adjustable).
The space humidity high-limit setpoint shall be set initially at 60% RH (adjustable).

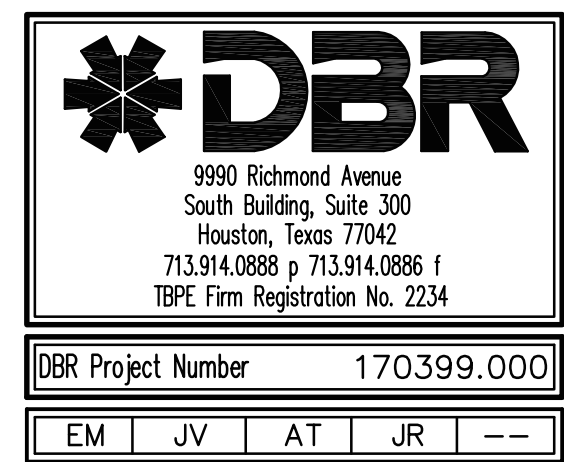


ENERGY RECOVERY UNIT SCHEDULE	
MARK	ERU-1 & ERU-2
SERVES	RESTROOMS
VENTILATOR TYPE	STATIC PLATE, HEAT AND HUMIDITY TRANSFER
TYPE	ROOF MOUNTED HORZ DISCHARGE
SUPPLY AIR (CFM)	1,180
OUTSIDE AIR (CFM)	1,180
EXHAUST AIR (CFM)	1,480
MCA/MOPD (AMPS)	18.2 / 20
SUPPLY AIR (CFM)	1,180
FAN TYPE	FC
EXT. S.P. (IN. W.G.)	0.75
NUMBER OF MOTORS	1
FAN DRIVE	DIRECT
FACTORY INSTALLED VFD	YES
MOTOR SPEED RPM	1750
MOTOR HORSEPOWER	2
VOLTS/PHASE/HERTZ	208/3/60
FILTERS - THICKNESS AND TYPE	2" PLEATED MERV 8
FILTERS - NUMBERS / SIZE OF EACH FILTER	2 / 20"x20"x2", 1 / 20"x14"x2"
EXHAUST AIR (CFM)	1,480
FAN TYPE	FC
EXT. S.P. (IN. W.G.)	0.75
NUMBER OF MOTORS	1
FAN DRIVE	DIRECT
FACTORY INSTALLED VFD	YES
MOTOR SPEED RPM	1750
MOTOR HORSEPOWER	2
VOLTS/PHASE/HERTZ	208/3/60
FILTERS - THICKNESS AND TYPE	2" PLEATED MERV 8
FILTERS - NUMBERS / SIZE OF EACH FILTER	2 / 20"x20"x2"
SUMMER OUTDOOR DB (°F)	83.1
SUMMER OUTDOOR RELATIVE HUMIDITY (%)	82.5
SUMMER OUTDOOR WB (°F)	78.7
SUMMER OUTDOOR ENTHALPY (BTU/LB)	42.2
SUMMER INDOOR DB (°F)	72
SUMMER INDOOR RELATIVE HUMIDITY (%)	50
SUMMER INDOOR WB (°F)	60.1
SUMMER INDOOR ENTHALPY (BTU/LB)	26.4
WINTER OUTDOOR DB (°F)	28.4
WINTER OUTDOOR RELATIVE HUMIDITY (%)	30
WINTER OUTDOOR WB (°F)	22.0
WINTER OUTDOOR ENTHALPY (BTU/LB)	7.8
WINTER INDOOR DB (°F)	72
WINTER INDOOR RELATIVE HUMIDITY (%)	50.0
WINTER INDOOR WB (°F)	60.1
WINTER INDOOR ENTHALPY (BTU/LB)	26.4
SUMMER LEAVING AIR TEMPERATURE FROM ERV DB (°F)	74.3
SUMMER RELATIVE HUMIDITY FROM ERV (%)	79.0
SUMMER LEAVING AIR TEMPERATURE FROM ERV WB (°F)	69.4
SUMMER ENTHALPY FROM ERV (BTU/LB)	33.4
SUMMER ORIGINAL SENSIBLE LOAD WITHOUT ERV (BTUH)	36.6
SUMMER ORIGINAL SENSIBLE LOAD WITH ERV (BTUH)	25.3
SUMMER ORIGINAL TOTAL LOAD WITHOUT ERV (BTUH / TON)	102.4
SUMMER ORIGINAL TOTAL LOAD WITH ERV (BTUH / TONS)	55.6
MINIMUM LOAD SAVINGS RATIO (%) PER ASHRAE 90.1-2013	50.0
TOTAL LOAD SAVINGS RATIO (%)	55.7
WINTER LEAVING AIR TEMPERATURE FROM ERV DB (°F)	63.2
WINTER RELATIVE HUMIDITY FROM ERV (%)	46.0
WINTER LEAVING AIR TEMPERATURE FROM ERV WB (°F)	51.8
WINTER ENTHALPY FROM ERV (BTU/LB)	21.2
WINTER ORIGINAL TOTAL LOAD WITHOUT ERV (BTUH)	72.5
WINTER ORIGINAL TOTAL LOAD WITH ERV (BTUH)	27.9
MINIMUM LOAD SAVINGS RATIO (%) PER ASHRAE 90.1-2013	50.0
TOTAL LOAD SAVINGS RATIO (%)	72.0
MAX. COIL FACE VELOCITY (FPM)	500
COOLING COIL CFM	1,180
MIN. ROWS	3
MAX. FINS PER INCH	14
EAT DB/WB (°F)	74.3/69.4
LAT DB/WB (°F)	54.5/54.5
MINIMUM TOTAL COOLING CAPACITY (MBH)	55.6
TOTAL COOLING CAPACITY PROVIDED BY UNIT (MBH)	56.4
MINIMUM SENSIBLE COOLING CAPACITY (MBH)	25.3
SENSIBLE COOLING CAPACITY PROVIDED BY UNIT (MBH)	25.8
EWTLWT (°F)	42 / 56
COIL WATER FLOW PROVIDED BY UNIT (GPM)	7.9
ACTUAL WATER P.D. (FT. HD.)	4.4
MAX. WATER P.D. (FT. HD.)	10
MAX. COIL FACE VELOCITY (FPM)	500
COOLING COIL CFM	1,180
MIN. ROWS	1
MAX. FINS PER INCH	16
EAT DB (°F)	63.2
LAT DB (°F)	85.0
MINIMUM HEATING CAPACITY (MBH)	27.9
HEATING CAPACITY PROVIDED BY UNIT (MBH)	28.0
EWTLWT (°F)	170/140
COIL WATER FLOW PROVIDED BY UNIT (GPM)	1.9
ACTUAL WATER P.D. (FT. HD.)	0.04
MAX. WATER P.D. (FT. HD.)	10
MANUFACTURER	RENEWAIRE
MODEL NUMBER	RD2XRT
UNIT WEIGHT - LBS	1,360
NOTES	1 THRU 10

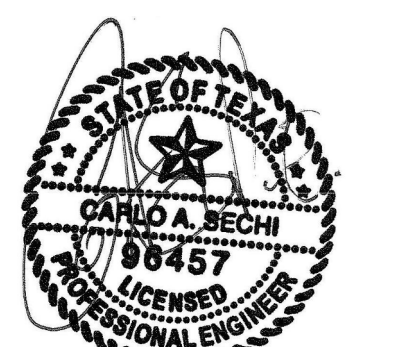
NOTES:
1. PROVIDE UNIT WITH BYPASS ECONOMIZER WITH ENTHALPY CONTROLS AND FACE / EXHAUST AND SUPPLY FAN CAPABLE OF CONTROL VIA DDC CONTROL SIGNAL.
2. PROVIDE VFD RATED MOTOR AND SHAFT GROUNDING RINGS.
3. PROVIDE FACTORY INSTALLED MOTORIZED ISOLATION OUTSIDE AND MOTORIZED ISOLATION RETURN DAMPERS.
4. PROVIDE CHILLED WATER COIL OPTION WITH DEHUMIDIFICATION MODE.
5. PROVIDE ADDITIONAL WATER REHEAT COIL OPTION WITH HEATING MODE.
6. PROVIDE DOUBLE WALL CONSTRUCTION OPTION.
7. PROVIDE DOUBLE WALL CONSTRUCTION OPTION.
8. PROVIDE FACTORY MOUNTED FILTER ALARMS OPTION FOR BOTH FILTERS.
9. PROVIDE FACTORY ROOF CURB ACCESSORY. COORDINATE ROOF CURB HEIGHT TO PROVIDE 8-INCH MINIMUM CLEARANCE FROM THE FINISHED SURFACE OF ROOF TO BOTTOM OF FLASHING AT ALL VERTICAL SURFACES.
10. PROVIDE UNIT WITH EXTERIOR PAINT.



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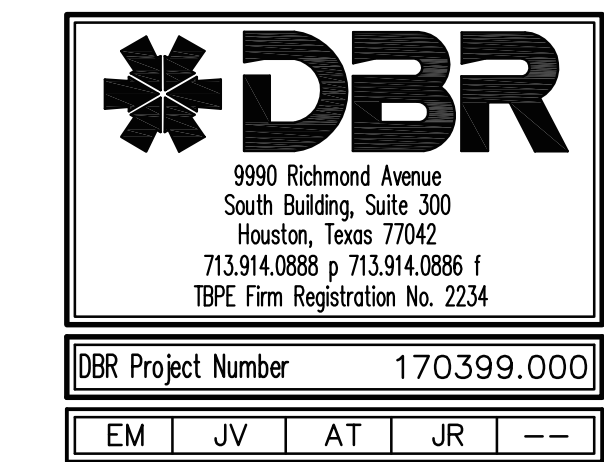
PROJECT ADDRESS

KIRKSEY PROJECT NO. **2017228**

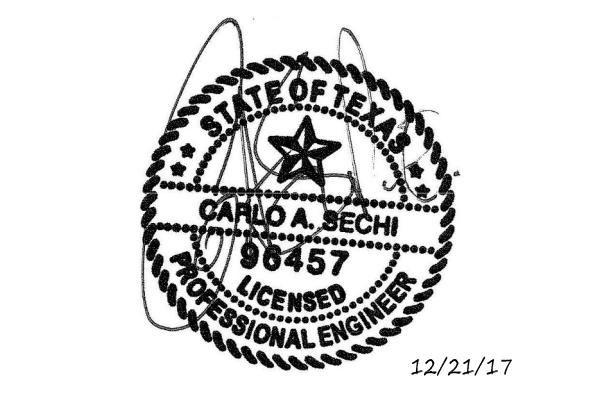
KEY PLAN

SHEET TITLE
MECHANICAL DETAILS AND SCHEDULES

SHEET NUMBER
M4.01



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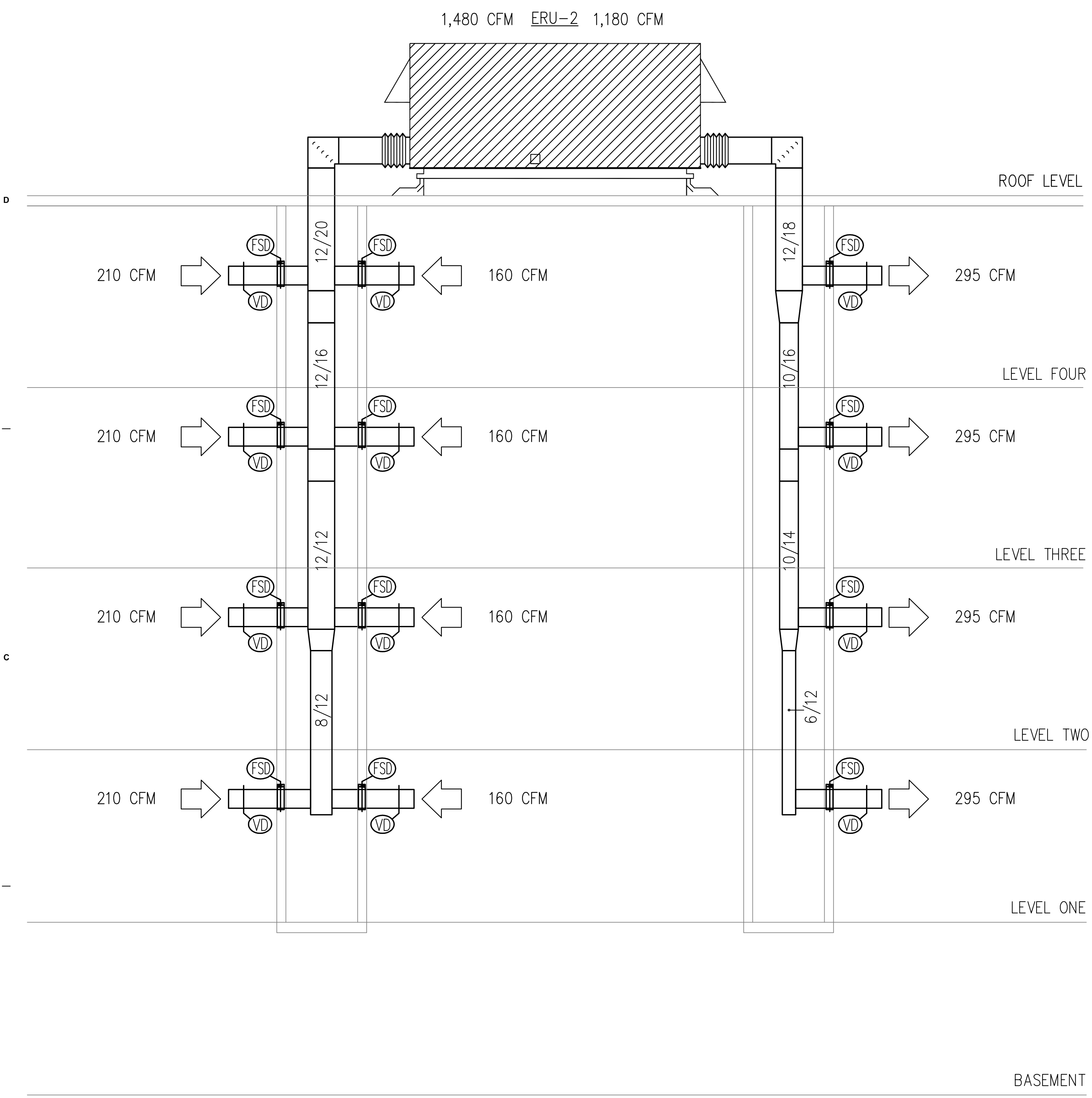
PROJECT NAME
DAVIS-GARY (18)

PROJECT ADDRESS

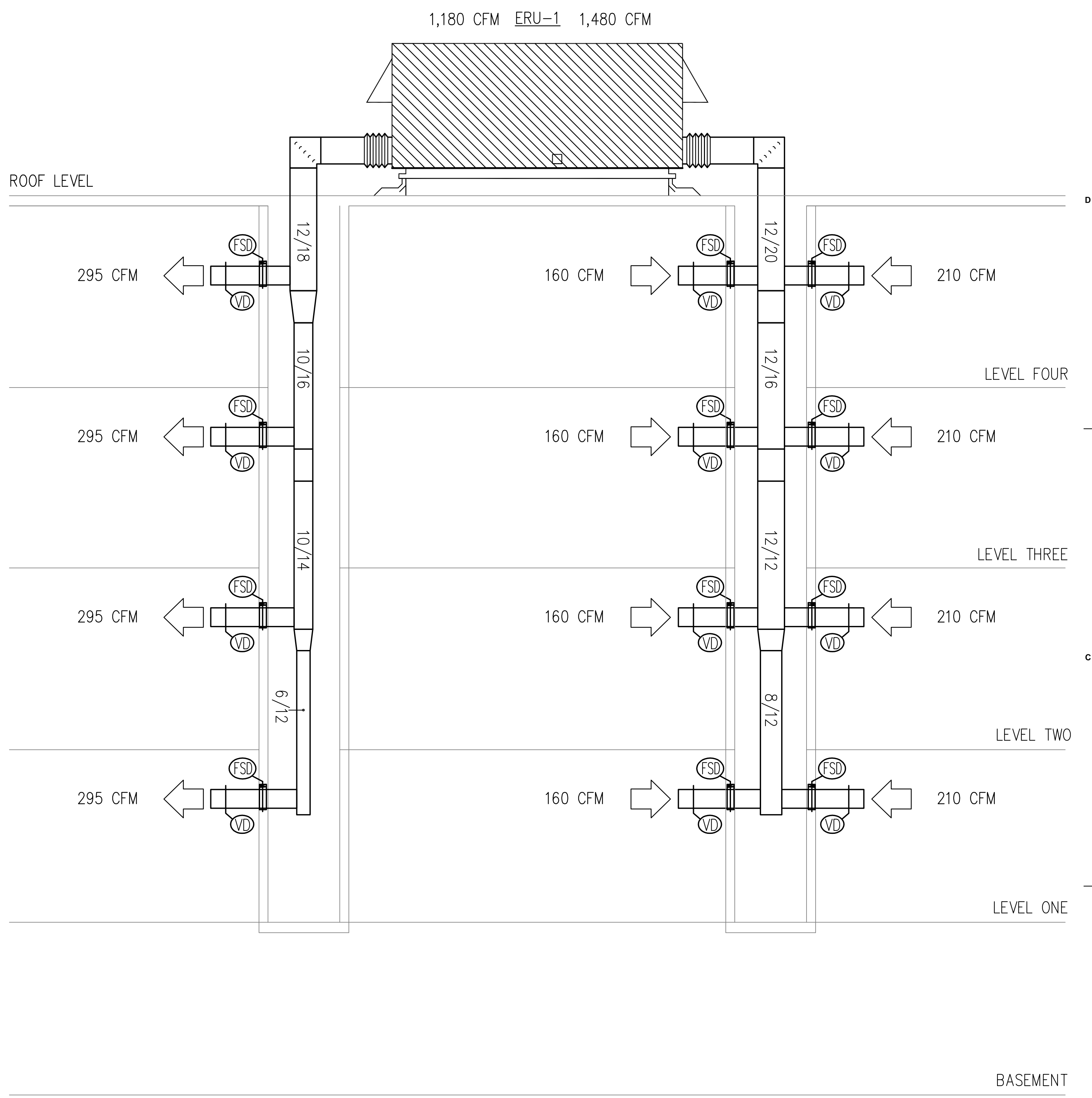
KIRKSEY PROJECT NO. 2017228
KEY PLAN

SHEET TITLE
MECHANICAL RISER DIAGRAMS

SHEET NUMBER
M5.01



1 EXHAUST AIR RISER DIAGRAM
M5.01 NOT TO SCALE



2 EXHAUST AIR RISER DIAGRAM
M5.01 NOT TO SCALE

Plotfile: Dec 20, 2017, 10:46 AM by user: jblackender - Sheet: 13/18/2017 by user: jblackender
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DBR
9990 Richmond Avenue
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TBPE Firm Registration No. 2234

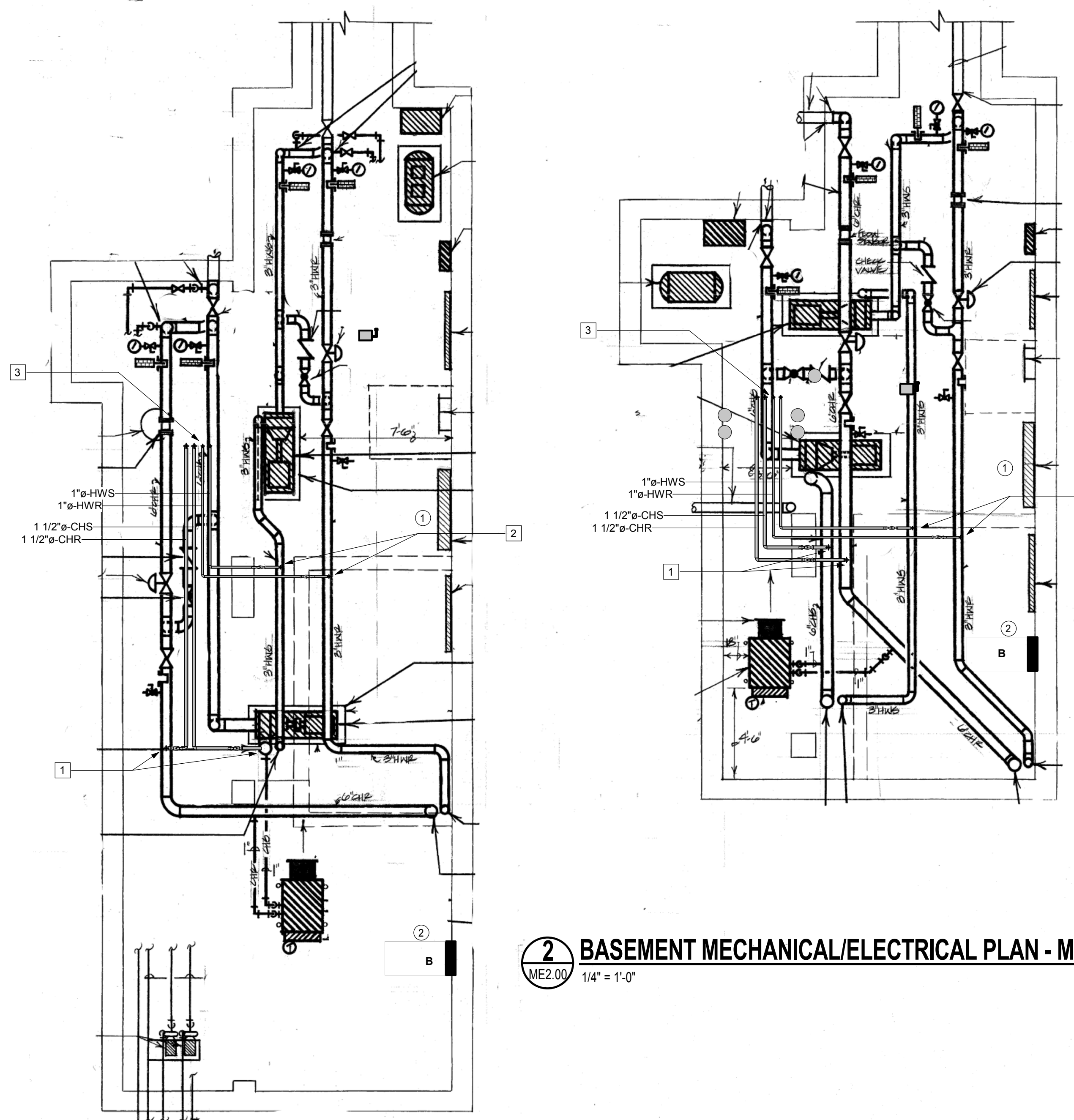
DBR Project Number 170399.000

EM JV JP JR --

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DATE	ISSUE
12/21/2017	ISSUE FOR BID AND OWNER REVIEW



2 BASEMENT MECHANICAL/ELECTRICAL PLAN - MOSES HALL
ME2.00 1/4" = 1'-0"

1 BASEMENT MECHANICAL/ELECTRICAL PLAN - DAVIS-GARY HALL
ME2.00 1/4" = 1'-0"

Panelboard B										10000 AIC Rating		
120/208 Wye Volt, 3 Phase, 4 Wire Mains Type: 0 A MCB										X New		
1 Section 100 A BUS (Copper)										X Existing		
Type 1 - Nema Rating MLO										X Mounting		
										X Surface		
										X Flush		
Line	Load	Type	Description	Wire	CB	CKT	CB	Wire	Description	Type	Load	N.
	2810 VA	F	ERU-2	12	15 A	11	15 A	12	ERU-1	F	2810 VA	
	2810 VA	F	ERU-2	12	15 A	12	15 A	12	ERU-1	F	2810 VA	
						13						
						14						
						15						
						16						
						17						
						18						
						19						
						20						
						21						
						22						
						23						
						24						
N.E.C. (2014)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2014)	Load Type	Conn.	Fct.	Diversity			
220.44	(R)Receptacle				210.20(a)	(L)Lighting						
220.56	(K)Kitchen					(EL)Ext. Lgt.						
220.60	(C)Cooling			0 VA		(E)Elevators						
220.60	(H)Heating			0 VA		(WH)Wat. Htr.						
220.60	(F)Fans	11240 VA	100.00%	11240 VA	220.5	(MT)Lrg. Motor						
	(M)Misc.					(SP)Sub Pnl.						
Total Connected Load:		11240 VA		VA = 31 A	Location of Panel:							
Total Load (Diversified):		11240 VA		VA = 31 A								

- MECHANICAL KEYED NOTES:**
- TAP EXISTING CHILLED WATER SUPPLY AND RETURN PIPES AT LOCATION NOTED. PROVIDE ISOLATION VALVES AT NEW BRANCH LINES.
 - TAP EXISTING HOT WATER SUPPLY AND RETURN PIPES AT LOCATION NOTED. PROVIDE ISOLATION VALVES AT NEW BRANCH LINES.
 - ROUTE CHILLED WATER AND HOT WATER SUPPLY AND RETURN PIPES UP TO THE ROOF AT LOCATION NOTED.
- ELECTRICAL KEYED NOTES:**
- INDICATE LOCATION OF EXISTING 600A M.L.O. MAIN DISTRIBUTION PANEL.
 - LOCATION OF NEW PANEL "B". FIELD VERIFY EXISTING CONDITIONS TO DETERMINE MOST SUITABLE LOCATION.

PROJECT NAME
TAMU MOSES & DAVIS-GARY DORMITORY RESTROOM RENOVATION PROJECT

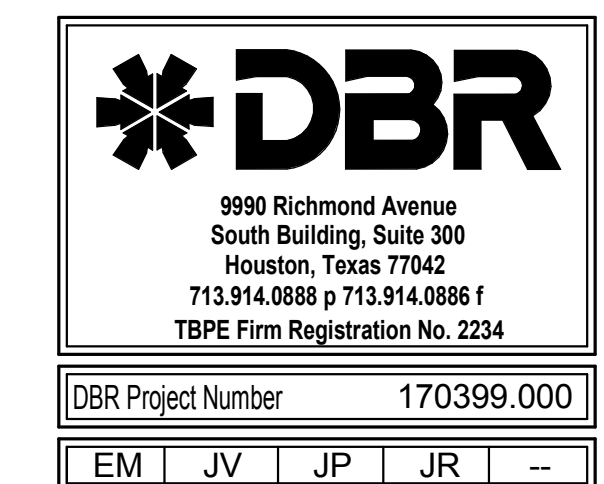
PROJECT ADDRESS

KIRKSEY PROJECT NO. **2017228**
KEY PLAN

SHEET TITLE
BASEMENT MECHANICAL/ELECTRICAL PLAN

SHEET NUMBER
ME2.00

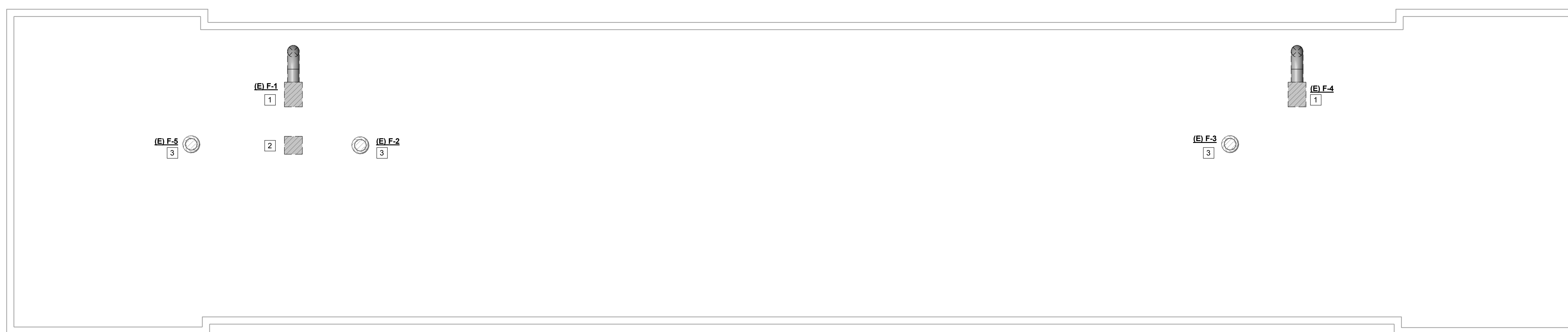
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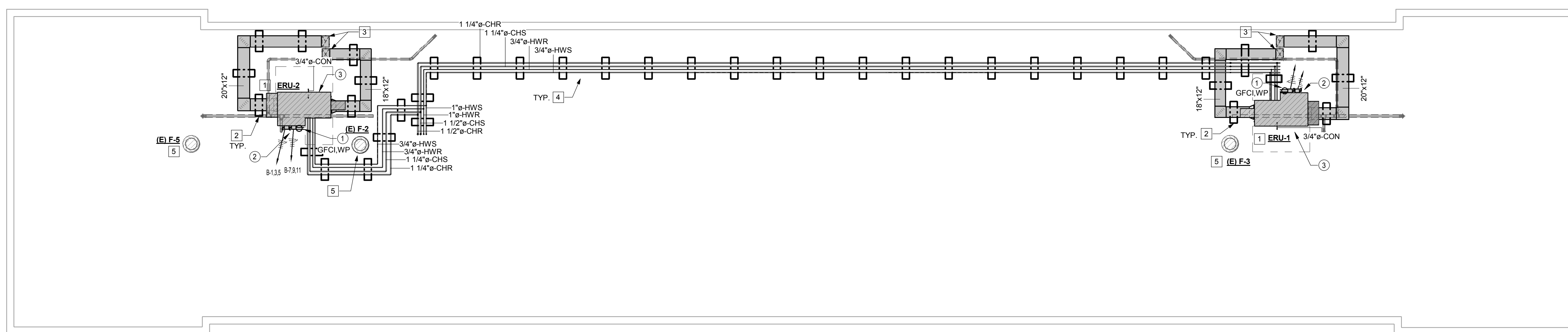
DATE	ISSUE
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2 ROOF MECHANICAL DEMO PLAN
ME2.02 1/8" = 1'-0"

MECHANICAL DEMO KEYED NOTES:

- REMOVE EXISTING EXHAUST FAN ALONG WITH ASSOCIATED DUCTWORK. EXISTING CONCRETE PAD SHALL BE REMOVED AND ROOF DECK SHALL BE PATCHED. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF FILL-IN DETAIL.
- EXISTING ABANDONED ROOF CURB SHALL BE REMOVED. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF FILL-IN DETAIL.
- EXISTING EXHAUST FAN TO REMAIN.



1 ROOF MECHANICAL/ELECTRICAL PLAN
ME2.02 1/8" = 1'-0"

MECHANICAL KEYED NOTES:

- PROVIDE ENERGY RECOVERY UNIT AS SCHEDULED. MOUNT UNIT ON PRE-FABRICATED ROOF CURB. ROUTE SUPPLY AND EXHAUST AIR DUCT ON ROOF AS SHOWN. SEE PLAN FOR SIZE. RE: DETAIL 2, 3, & 4/M4.01.
- PROVIDE DUCT SUPPORT AT LOCATION SHOWN. TYPICAL. RE: DETAIL 6/M4.01.
- ROUTE SUPPLY AND EXHAUST AIR DUCT DOWN THROUGH ROOF IN CHASE. RE: DETAIL 7/M4.01.
- PROVIDE PIPE SUPPORT AT LOCATION SHOWN. TYPICAL. RE: DETAIL 5/M4.01.
- EXISTING EXHAUST FAN TO REMAIN.

ELECTRICAL KEYED

- PROVIDE NEW WP GFCI RECEPTACLE FOR ERU. ROUTE WIRING VIA ROOF CURB. CIRCUIT ON EXISTING BUILDING CORRIDOR RECEPTACLE CIRCUIT ON 4TH FLOOR BELOW.
- PROVIDE (2) NEW 208V/3P CIRCUITS WITH 50A CU IN 3/4" CONDUIT FOR ERU AT ROOF. ROUTE VIA ROOF CURB. PROVIDE (2) NEW 15A/3P BREAKERS IN EXISTING 4TH FLOOR ELECTRICAL PANEL AT FLOOR BELOW.
- PROVIDE NEW LIGHTNING PROTECTION AIR TERMINAL ON ERU EQUIPMENT PER 5E4.01 AND PROVIDE CONNECTION TO EXISTING BUILDING LIGHTNING PROTECTION SYSTEM WITH COPPER CONDUCTOR.

PROJECT NAME
**TAMU MOSES & DAVIS-GARY
DORMITORY RESTROOM
RENOVATION PROJECT**

PROJECT ADDRESS

KIRKSEY PROJECT NO. **2017228**

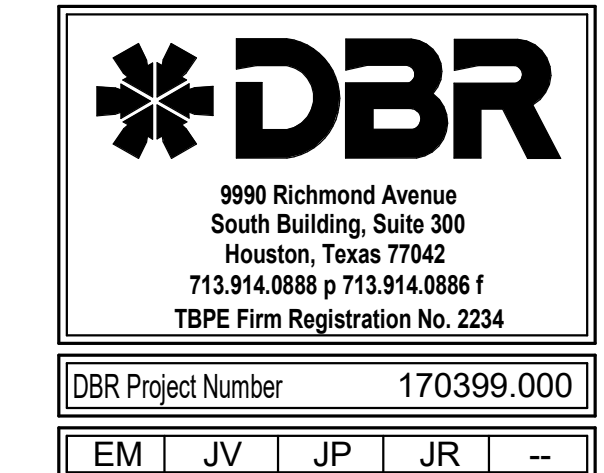
KEY PLAN

SHEET TITLE
**ROOF
MECHANICAL/ELECTRICAL
PLAN**

SHEET NUMBER

ME2.02

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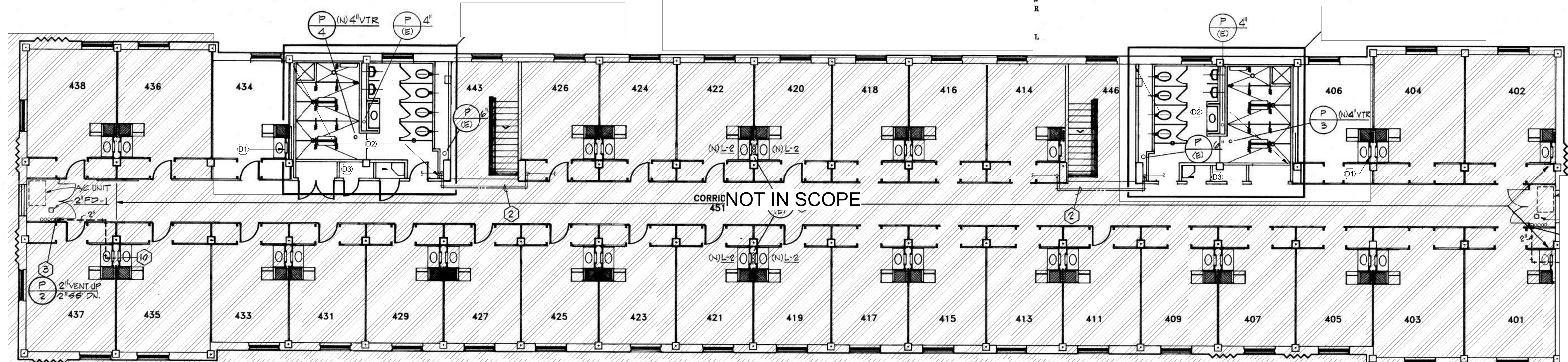
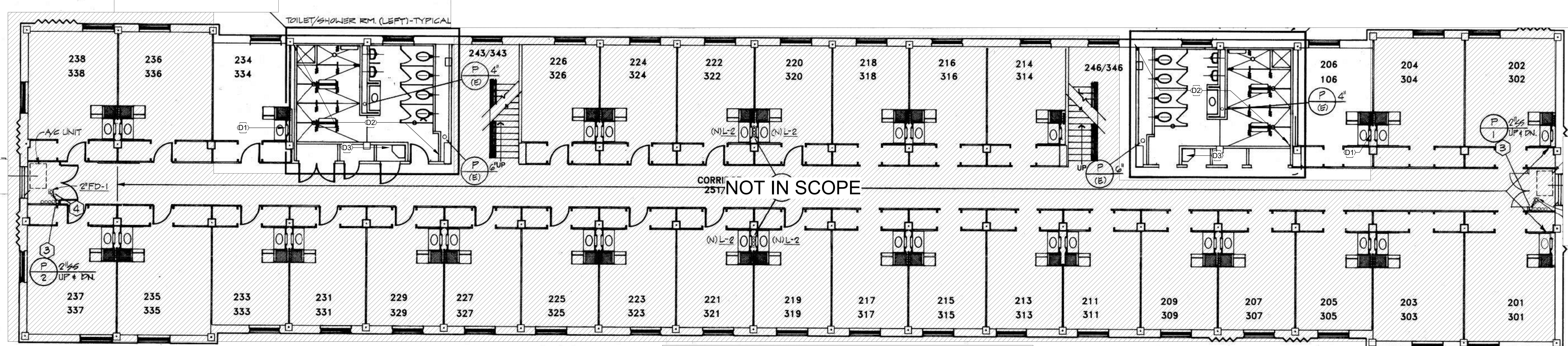
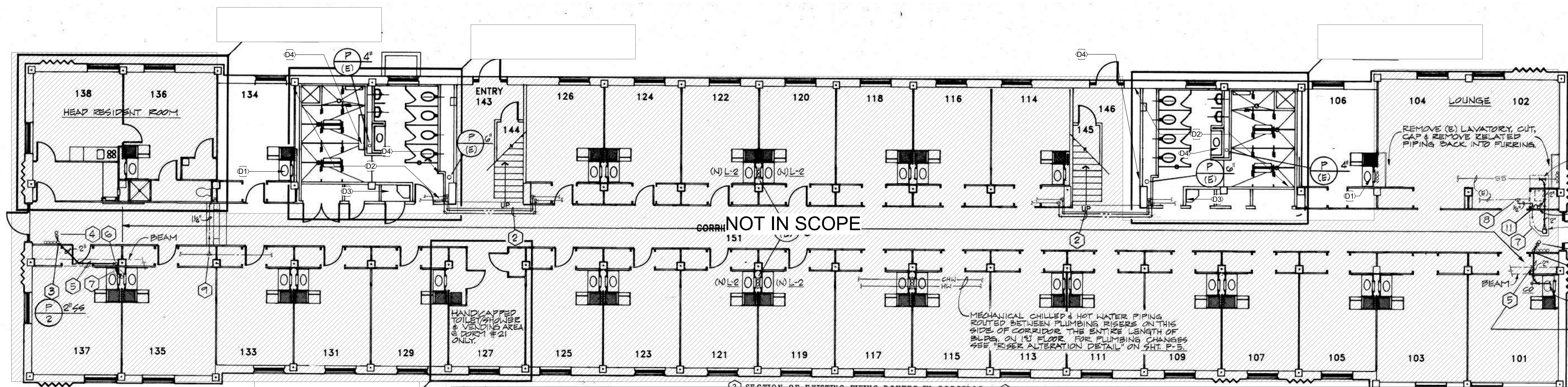
PROJECT NAME
TAMU MOSES & DAVIS-GARY DORMITORY RESTROOM RENOVATION PROJECT

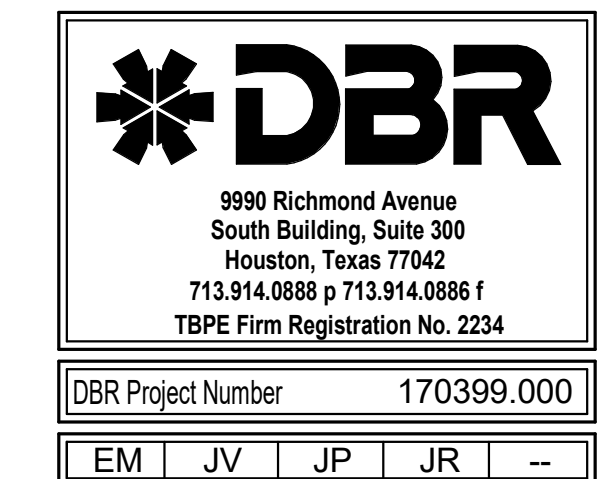
PROJECT ADDRESS

KIRKSEY PROJECT NO. 2017228
KEY PLAN

SHEET TITLE
PLUMBING DEMO PLAN

SHEET NUMBER
P1.01





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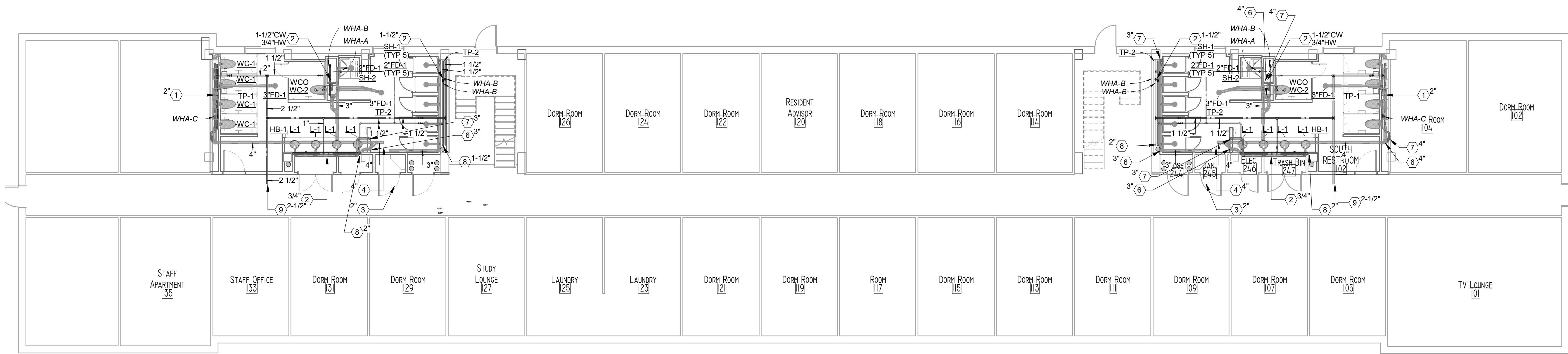
KIRKSEY PROJECT NO. **2017228**
KEY PLAN

SHEET TITLE
PLUMBING PLAN

SHEET NUMBER
P2.01

- PLUMBING KEYED NOTES:**
- 1) CW DROP, SIZE AS NOTED, MANIFOLD TO ALL FIXTURES IN WALLCHASE; REFER TO PLUMBING RISER DIAGRAM FOR DETAILS.
 - 2) CW AND HW DROP, SIZE AS NOTED, MANIFOLD TO ALL FIXTURES IN WALLCHASE; REFER TO PLUMBING RISER DIAGRAM FOR DETAILS.
 - 3) EXTEND AND RECONNECT TO EXISTING HOT WATER IN THIS APPROXIMATE LOCATION, SIZE AS NOTED.
 - 4) EXTEND AND RECONNECT TO EXISTING SANITARY WASTE IN THIS APPROXIMATE LOCATION, SIZE AS NOTED.
 - 5) EXTEND AND RECONNECT TO EXISTING SANITARY VENT IN THIS APPROXIMATE LOCATION, SIZE AS NOTED.
 - 6) SANITARY WASTE RISER, SIZE AS NOTED.
 - 7) SANITARY VENT RISER, SIZE AS NOTED.
 - 8) HW RISER; EXTEND AS SHOWN; SIZE AS NOTED.
 - 9) EXTEND AND RECONNECT TO EXISTING COLD WATER IN THIS APPROXIMATE LOCATION, SIZE AS NOTED.
 - 10) EXTEND AND RECONNECT TO EXISTING HOT WATER RETURN IN THIS APPROXIMATE LOCATION, PROVIDE: SHUT OFF VALVE AND BALANCING VALVE, SIZE AS NOTED.

- PLUMBING GENERAL NOTES:**
- 1) LAVATORIES SHALL HAVE THE SANITARY WASTE AND VENT HEADERS ROUTED BEHIND CMU WALL IN CORE RESTROOMS. CONTRACTOR SHALL COORDINATE EXISTING CONDITIONS IN SITE AND CONFIRM SPACE IS ADEQUATE AND FREE FROM OBSTRUCTIONS TO ROUTE THESE HORIZONTAL HEADERS.
 - 2) CONTRACTOR SHALL COORDINATE LOCATION AND MOUNTING HEIGHTS OF ALL PLUMBING DEVICES WITH CASEWORK, MILLWORK, ETC. PRIOR TO INSTALLATION. ALL DEVICES INSTALLED WITHOUT BEING COORDINATE SHALL BE RELOCATED BY THE CONTRACTOR AT NO ADDITIONAL COST.
 - 3) CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH STRUCTURAL ELEMENTS, FOUNDATIONS AND FOOTINGS; MODIFY AND EXTEND PIPING AS NECESSARY.
 - 4) ALL FLOOR EMERGENCY DRAINS SHALL BE INSTALLED WITH TRAP PRIMERS.
 - 5) CONTRACTOR SHALL PROVIDE DIELECTRIC UNIONS FOR CONNECTION TO DOMESTIC WATER PIPING OF DISSIMILAR MATERIAL.
 - 6) ALL VENTS SHALL BE HEADERED AT A MINIMUM OF 42" A.F.F.
 - 7) ALL EXPOSED PIPING SHALL BE PAINTED PER THE SPECIFICATIONS OR AS DIRECTED BY THE ARCHITECT.
 - 8) CONTRACTOR SHALL PROVIDE SHOCK ARRESTORS FOR ALL PLUMBING FIXTURES; REFER TO SHOCK ARRESTOR SCHEDULE FOR SIZING CRITERIA.
 - 9) SPRINKLER CONTRACTOR SHALL MODIFY EXISTING SYSTEM TO ACCOMMODATE NEW ROOM LAYOUTS, CEILING AND MEP SYSTEMS.
 - 10) CONTRACTOR SHALL INSTALL ALL PIPING IN A MANNER IN WHICH IS NOT ROUTED ABOVE ANY TRANSFORMERS AND/OR ELECTRICAL PANELS; PLANS MAY DEPICT OTHERWISE FOR CLARITY PURPOSES. CONTRACTOR SHALL MODIFY AND EXTEND PIPING AS NECESSARY.



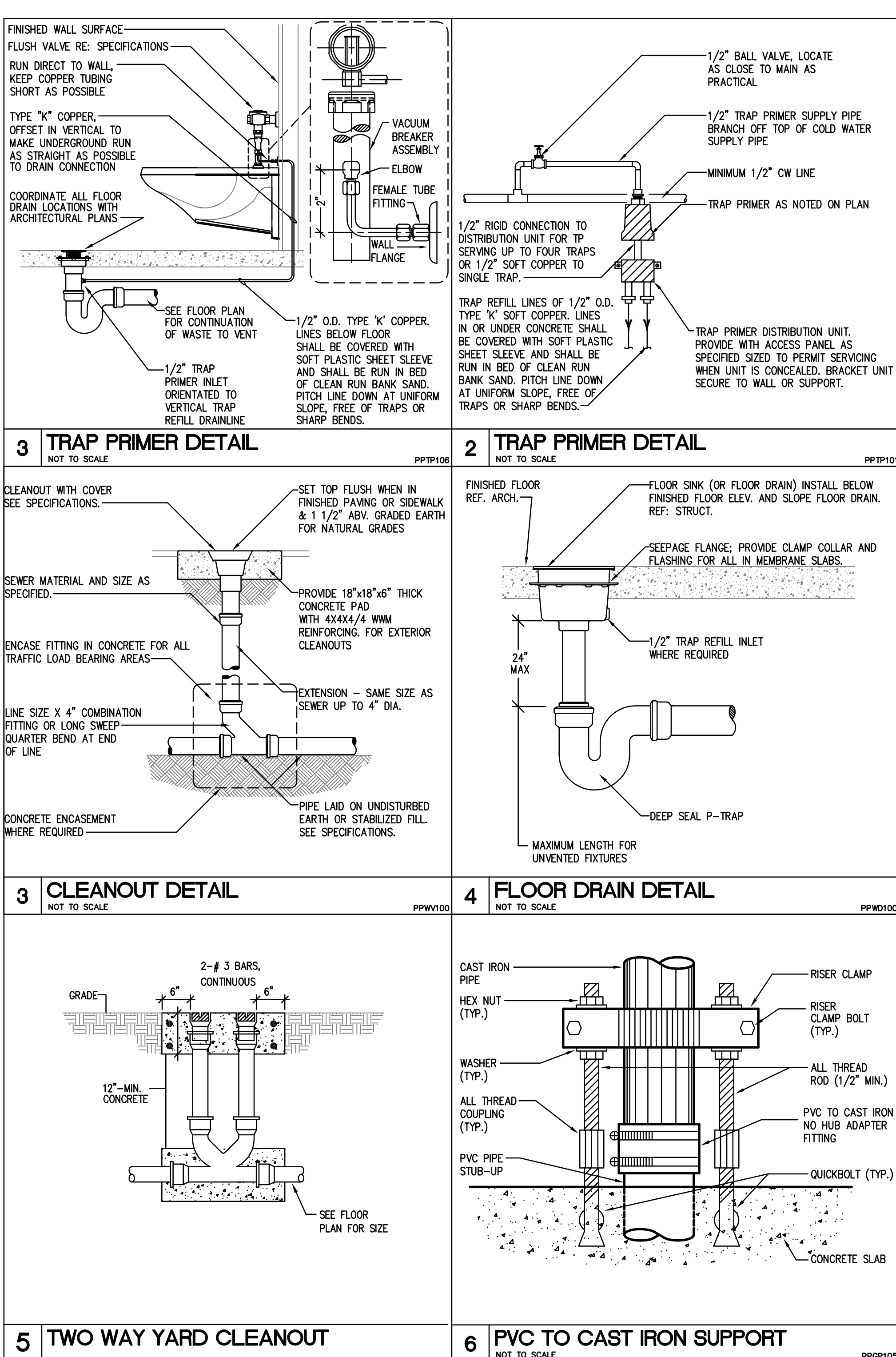
1 LEVEL 1 PLUMBING PLAN
P2.01 1/8" = 1'-0"



2 LEVELS 2-3 PLUMBING PLAN
P2.01 1/8" = 1'-0"



3 LEVEL 4 PLUMBING PLAN
P2.01 1/8" = 1'-0"



PLAN MARK	MINIMUM ROUGH-IN SIZES				DESCRIPTION
	WST & VENT	DRAIN	CW	HW	
WATER CLOSET WATER SAVER WC-1	4"	2"	4"	1"	AMERICAN STANDARD No. 2257.001 "AFWALL" WHITE V.C. ELONGATED SIPHON JET WALL HUNG (1.28 GPF) BOWL WITH TOP SPUD. OLSOITE No.60-35 WHITE OPEN FRONT SEAT LESS COVER AND SLOAN WES-111 FLUSH VALVE AND ZURN OR EQUAL FLOOR MOUNTED CARRIER. CONTRACTOR TO PROVIDE CARRIERS WITH ADJUSTABLE FLANGES.
WATER CLOSET WATER SAVER WC-2	4"	2"	4"	1"	AMERICAN STANDARD No. 2257.001 "AFWALL" WHITE V.C. ELONGATED SIPHON JET WALL HUNG (1.28 GPF) SAME AS WC-1 ABOVE EXCEPT MOUNTING HEIGHT AS REQUIRED FOR HANDICAPPED USE. CONTRACTOR TO PROVIDE CARRIERS WITH ADJUSTABLE FLANGES.
LAVATORY L-1	2"	1-1/2"	1-1/4"	1/2"	AMERICAN STANDARD No. 0355.012 "LUCERNE" WHITE VC LAVATORY WITH FRONT OVERFLOW. DRILLED FOR CONCEALED ARM AND WITH 4" HOLES PUNCHED FOR CHICAGO No. 802-VIP CENTERSET FAUCET WITH VANDAL PROOF LEVER HANDLES. FIXED GRID PERFORATED DRAIN STRAINER. OFFSET TAILPIPE. CAST BRASS P-TRAP WITH CO. STOPS. SUPPLIES & TMV-1. PROVIDE ZURN OR EQUAL FLOOR MOUNTED CONCEALED ARM CARRIER AND TMV AS REQUIRED FOR HANDICAP USE. SEE ARCHITECTS PLANS FOR MOUNTING HEIGHT.
SHOWER SH-1	2"	2"	2"	1/2"	ACORN APEX TYPE 5 FLUSH MOUNTED INDIVIDUAL WALL SHOWER No. 4588-WH-WH-MSH-LGH-LFS-LGB FABRICATED FROM 18 GAUGE, TYPE 304 STAINLESS STEEL WITH SATIN FINISH. VALVE SHALL BE TEMPERATURE AND PRESSURE BALANCING MIXING VALVE, WITH CHECK/STOPS, MULTI-STREAM SHOWER HEAD, RECESSED SOAP DISH. FURNISH WITH WALL MOUNTING FRAME. PROVIDE 2" ED-1 FOR DRAINAGE AND MINIMUM 4 P.S.F. LEAD.
SHOWER SH-2	2"	2"	2"	1/2"	ACORN APEX TYPE 5 FLUSH MOUNTED INDIVIDUAL WALL SHOWER No. 4588-WH-WH-MSH-LGH-LFS-LGB FABRICATED FROM 18 GAUGE, TYPE 304 STAINLESS STEEL WITH SATIN FINISH. VALVE SHALL BE TEMPERATURE AND PRESSURE BALANCING MIXING VALVE, WITH CHECK/STOPS, MULTI-STREAM SHOWER HEAD, RECESSED SOAP DISH. FURNISH WITH WALL MOUNTING FRAME. PROVIDE 2" ED-1 FOR DRAINAGE AND MINIMUM 4 P.S.F. LEAD.
THERMOSTATIC MIXING VALVE TMV-1	---	---	1/2"	1/2"	PROVIDE POWERS E480 POINT-OF-USE MIXING VALVE WITH INLET CHECKS INSTALLED IN CONCEALED AREA BELOW FIXTURE TO LIMIT HOT WATER TO MAXIMUM 105° F. AT FAUCET OUTLET, SUPPLY CW TO MIXING VALVE FROM CW RISER TO FAUCET. INSTALL AS HIGH AS POSSIBLE TO PROVIDE HEAT AND CLEAN APPEARANCE.
FLOOR DRAIN FD-1	SEE PLAN	2"	---	---	ZURN No. 2N-415 CAST IRON DRAIN WITH 6" DIAMETER TYPE 'B' STRAINER AND 1/2" IPS. TRAP PRIMER CONNECTION.
FLOOR DRAIN FD-2	SEE PLAN	2"	---	---	ZURN No. 2-540-12 CAST IRON MEDIUM DUTY DRAIN. LESS GRATE AND SUR-SET BUCKET STRAINER. PROVIDE DEEP SEAL P-TRAP WITH TRAP PRIMER CONNECTION.
FLOOR DRAIN FD-3	SEE PLAN	2"	---	---	ZURN No. 2N-415 CAST IRON DRAIN WITH 7" DIAMETER TYPE 'C' STRAINER. TRAP PRIMER CONNECTION AND 4" DIAMETER ZURN GRATE.
TRAP PRIMER TP-1	---	---	1/2"	---	PROVIDE SLOAN No. VBF-72-A1 FLUSH VALVE VACUUM BREAKER TRAP REFRILL SUPPLY. AFTX UNIT TO WATER CLOSET NEAREST TO THE FLOOR DRAIN SUPPLIED. ALL EXPOSED TO BE CHROME PLATED. CONCEALED DRAIN TUBING SHALL BE 1/2" TYPE "K" SOFT COPPER.
TRAP PRIMER TP-2	---	---	1/2"	---	PRECISION PLUMBING PRODUCTS, INC. "OREGON" No. 1 FULLY AUTOMATIC TRAP PRIMER VALVE. INSTALLED CONCEALED IN ACCESSIBLE LOCATION, BEHIND APPROVED ACCESS PANEL OR EXPOSED IN MECHANICAL EQUIPMENT AREAS WITH APPROVED TRAP PRIMER DISTRIBUTION UNIT. INSTALL AT MINIMUM 15" A.F.F.
HOSE BIBB HB-1	---	---	3/4"	---	WOODFORD No. 26 SILL FAUCET WITH INTEGRAL WALL FLANGE. NON-REMOVABLE COMBINED CHECK VALVE AND VACUUM BREAKER AND LOCK KEY OPERATING HANDLE. MOUNTING HEIGHT FOR TOILET ROOMS 12" A.F.F. AND 36" A.F.F. IN MECHANICAL ROOMS.

PLUMBING PIPE MATERIALS SCHEDULE	
PIPING SYSTEM	PIPING MATERIAL
SANITARY DRAIN AND VENTS INSIDE BUILDING BELOW GRADE	CAST IRON HUB AND SPIGOT WITH NEOPRENE GASKET.
SANITARY DRAIN AND VENTS INSIDE BUILDING ABOVE GRADE	CAST IRON NO-HUB
STORM DRAIN INSIDE BUILDING BELOW GRADE	CAST IRON HUB AND SPIGOT WITH NEOPRENE GASKET.
STORM DRAIN INSIDE BUILDING ABOVE GRADE	CAST IRON NO HUB.
DOMESTIC COLD WATER BELOW FLOOR	3" AND SMALLER COPPER, TYPE "K" WITH SOLDER JOINTS 4" C-900 PVC WITH ELASTOMERIC GASKET PUSH-ON JOINTS
DOMESTIC COLD WATER ABOVE FLOOR	COPPER, TYPE "L" HARD DRAWN
HOT WATER ABOVE FLOOR	COPPER, TYPE "L" HARD DRAWN
HOT WATER RETURN ABOVE FLOOR	COPPER, TYPE "L" HARD DRAWN
FIRE SPRINKLER ABOVE GROUND	BLACK STEEL SCHEDULE 40 WITH METALLIC FITTINGS AND COUPLINGS FOR 2-1/2" AND LARGER; 2" AND SMALLER, SCHEDULE 40 BLACK STEEL. SCREWED PIPE AND FITTING WHERE PIPE IS EXPOSED. PIPE SHALL BE WELDED WHERE IS CONCEALED.

FIRE PROTECTION GENERAL NOTES:

- THE SCOPE OF THE WORK INCLUDES THE INSTALLATION OF SPRINKLER HEADS INCLUDING PIPE, FITTINGS, HANGERS AND ACCESSORIES. THIS SHALL BE TO BE FULLY SPRINKLED.
- FIRE SPRINKLER SYSTEM SHALL PROVIDE COMPLETE AUTOMATIC PROTECTION AND COVERAGE REQUIRED BY THE LOCAL, STATE, JURISDICTIONAL, GOVERNMENTAL AGENCIES AND NFPA 13 (LATEST ADDITION). THE WORK SHALL INCLUDE BUT NOT BE LIMITED TO VALVE SUPERVISORY SWITCHES, FLOW SWITCHES AND COORDINATION WITH THE LANDLORD'S FIRE ALARM SYSTEM.
- SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED BY A STATE LICENSED FIRE PROTECTION CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE, JURISDICTIONAL, GOVERNMENTAL AGENCIES AND NFPA 13 (LATEST ADDITION). SPRINKLER SYSTEM MUST ALSO BE APPROVED BY LANDLORD AND LANDLORD'S FIRE INSURANCE UNDERWRITER.
- COMPLETE SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED BY THE CONTRACTOR TO OWNER/ARCHITECT, LANDLORD, LANDLORD'S FIRE INSURANCE UNDERWRITER AND FIRE MARSHALL'S APPROVAL.
- SPRINKLER SYSTEM SHALL CONTAIN NO VALVES DOWNSTREAM OF CONTROL STATION.
- UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL MAKE AND PAY FOR ALL TESTS AS MAY BE REQUIRED BY THE AUTHORITIES HAVING JURISDICTION AND SHALL CORRECT ANY DEFECTS INDICATED BY TESTS TO THE SATISFACTION OF THE AUTHORITIES.
- SPRINKLER CONTRACTOR SHALL REFER TO ARCHITECTURAL CODE SHEET FOR SPECIAL REQUIREMENTS.
- MDF/DF ROOMS SHALL BE PROTECTED WITH SIDEWALL SPRINKLER HEADS.
- SPRINKLER SHALL NOT BE PROVIDED IN MAIN ELECTRICAL ROOM. ROOM SHALL BE 2HR FIRE RATED.

GENERAL NOTES - PLUMBING FIXTURES

- CONTRACTOR TO FIELD VERIFY ELEVATIONS AND DIMENSIONS OF FINISHED FLOORS AND WALLS. TRUE ALL DRAIN, ROUGH-IN'S AND CARRIERS IN ACCORDANCE WITH PROPOSED ELEVATIONS AND FINISHED SURFACES.
- MOUNTING HEIGHT ELEVATION OF ALL WALL HUNG OR COUNTER MOUNTED FIXTURES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION OF ROUGH-IN WORK.
- FOR ALL FIXTURES AND EQUIPMENT WITH ASSOCIATED TRIM OR COMPONENT ACCESSORIES PROVIDED UNDER SEPARATE DIVISIONS AND RELATED PLUMBING CONNECTIONS, THIS CONTRACTOR SHALL FIELD COORDINATE EXACT REQUIREMENTS OF MAKE PROVISIONS FOR, AND SUPPLY ALL MATERIALS AND LABOR FOR MAKING FINAL CONNECTIONS.
- CONTRACTOR SHALL REFER TO SHOP DRAWINGS OF EQUIPMENT TO BE SUPPLIED FOR FINAL COORDINATION OF ALL ROUGH-IN OPENINGS BEFORE BEGINNING WORK.
- ALL FIXTURES AND EQUIPMENT SUB-OUTS SHALL BE PROVIDED WITH A STOP VALVE. ALL FIXTURE STOPS SHALL BE SOLID BRASS, LOOSE KEY OPERATED, CHROME PLATED (WHERE EXPOSED), AND FITTED TIGHT TO CHROME PLATED BRASS WALL ESCUTCHEON PLATES. SUPPLY RISERS SHALL BE TYPE "L" TUBING, CHROME PLATED. PROVIDE MCGUIRE No. H2HSLK, 1/2" FIP X 3/8" OD COMPRESSION FOR ALL SINKS AND LAVATORIES AND SIMILAR FIXTURES AND MCGUIRE No. H2HSLK 1/2" FIP X 1/2" OD COMPRESSION FOR WATER CLOSETS AND SIMILAR FIXTURES.
- ALL P-TRAPS WITHIN THE BUILDING, ABOVE GRADE AND EXPOSED TO INSPECTION SHALL BE C.P. ADJUSTABLE, CAST BRASS WITH CLEAMOUT PLUG. PROVIDE CAST BRASS SLIP NUTS AND WASERS, 17 GAGE SEAMLESS TUBULAR BRASS DRAIN TO WALL AND WALL FLANGE. PROVIDE MCGUIRE No. 8872C, 1-1/4" P-TRAP FOR ALL LAVATORIES AND SIMILAR FIXTURES. PROVIDE MCGUIRE No. 8912C, 1-1/2" P-TRAP FOR ALL SINKS AND SIMILAR FIXTURES.
- PROVIDE DEEP SEAL P-TRAP FOR ALL FLOOR DRAINS OF INFREQUENT USE. TOILET ROOMS, EQUIP. ROOMS AND ALL EQUIP. DRAINS WITHOUT ACTIVE CONDENSATE DRIP. PROVIDE TRAP PRIMER DEVICE AS SCHEDULE.
- ALL ROUGH IN OPENINGS SHALL BE FITTED WITH CHROME PLATED, WROUGHT BRASS DEEP BELL OR BOX ESCUTCHEON PLATES FITTED TIGHT TO THE PIPE AND FLUSH TO THE WALL. STEEL ESCUTCHEON PLATES ARE NOT ACCEPTED.
- ALL EXPOSED BRASS SHALL BE CHROME PLATED.
- ALL HANDICAPPED ACCESSIBLE FIXTURES INDICATED WITH ♿ SHALL BE PROVIDED OF APPROVED TYPES AND WITH REQUIRED CONTROLS AND INSTALLED TO HEIGHTS AND CLEARANCES, AS PRESCRIBED BY AMERICAN WITH DISABILITIES ACT (ADA). FIXTURES SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ACCESSIBILITY CODE REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED MOUNTING HEIGHTS AND SPECIFIED CLEARANCE REQUIREMENTS. PROVIDE FIXTURES WITH DEPTHS AT MAXIMUM PERMITTED AND AVAILABLE FOR INTENDED FIXTURE USE.
- ALL WHEELCHAIR LAVATORY AND SINK PIPING WHERE EXPOSED SHALL BE INSULATED. PROVIDE OFFSET DRAIN FITTINGS WHERE REQUIRED TO PROVIDE MINIMUM CLEARANCES.
- ALL SINKS FOR HANDICAPPED USE SHALL BE STAMPED WITH DRAIN OUTLET AT REAR OF BOWL.
- PLUMBING FIXTURES SHALL BE OF WATER CONSERVATION TYPE IN ACCORDANCE WITH SENATE BILL 587 FOR WATER SAVING PERFORMANCE. LAVATORY AND SINK FAUCETS SHALL INCLUDE 1.0 GPM FLOW CONTROL.
- ORIENT ADA WATER CLOSET FLUSH VALVE WITH OPERATOR ON LARGE SIDE OF ENCLOSURE.
- SEAL ALL SPACES BETWEEN PLUMBING FIXTURES AND MOUNTING SURFACES WITH WHITE LATEX CAULK WIPED SMOOTH AND FLUSH WITH FIXTURE.
- FLOOR DRAINS SHALL BE INSTALLED AT LOW POINTS OF UNIFORMLY SLOPED FLOOR. CONTRACTOR SHALL FIELD COORDINATE WITH STRUCTURAL TO INSURE FLOORS ARE SLOPED UNIFORMLY ACROSS ENTIRE TOILET ROOMS OR OVER AS WIDE AN AREA AS PRACTICAL FOR OPEN AREA FLOOR DRAINS. CONVEX FLOOR SLOPE IN THE IMMEDIATE VICINITY OF THE FLOOR DRAIN IS NOT ACCEPTABLE.

PLUMBING GENERAL NOTES:

- CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL CODES AND AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS AS REQUIRED TO MAKE FINAL CONNECTIONS FOR ALL PLUMBING FIXTURES, EQUIPMENT AND RELATED ITEMS PROVIDED UNDER SEPARATE DIVISIONS.
- CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS AND ELEVATIONS OF PROPOSED POINTS OF CONNECTION WITH EXISTING BUILDING PLUMBING UTILITY LINES AND SITE CIVIL LINES PRIOR TO INSTALLATION OF ANY NEW WORK.
- CONTRACTOR SHALL BE RESPONSIBLE TO ALERT ARCHITECT AND ENGINEER OF GRADING CONFLICTS PRIOR TO COMMENCING INSTALLATION OF ANY WORK.
- CONTRACTOR SHALL COORDINATE WITH STRUCTURAL CONDITIONS AS EXISTING AND PROVIDE PROPER PIPING INSTALLATIONS AS REQUIRED WITHOUT DAMAGE TO STRUCTURE. WHERE STRUCTURAL MODIFICATIONS ARE TO BE REQUIRED, CONTRACTOR SHALL FIRST RECEIVE WRITTEN APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING LOCATIONS AND ELEVATIONS OF ALL PLUMBING PIPING WITH OTHER TRADES PRIOR TO INSTALLATION, WHERE RELOCATIONS OF NEW WORK ARE REQUIRED TO CORRECT CONFLICTS WITH OTHER TRADES IT SHALL BE DONE AT NO ADDITIONAL COST TO OWNER.
- ALL PIPE PASSING THROUGH FIRE RATED WALLS OR FLOOR SLAB SHALL BE SUPPORTED AT THE PENETRATION AND SHALL BE SEALED WITH APPROVED FIRE STOP MATERIALS AS SPECIFIED AND REQUIRED BY CODE, AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING ALL PLUMBING PIPING SLEEVE LOCATIONS WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF ANY PIPING OR SUPPORTS.
- DO NOT SCALE PLUMBING DRAWINGS FOR FIELD ROUGH-IN WORK. CONTRACTOR SHALL REFER TO THE DIMENSIONED ARCHITECTURAL AND STRUCTURAL DRAWINGS TO FIELD DETERMINE EXACT LOCATIONS OF ROUGH-IN WORK.
- SANITARY DRAINAGE PIPE 3" AND SMALLER SHALL HAVE A UNIFORM MINIMUM CONTINUOUS SLOPE OF 1/4 INCH PER FOOT OF RUN. DRAINAGE PIPE 4" AND LARGER SHALL SLOPE AT MINIMUM 1/8 INCH PER FOOT OF RUN. SLOPE ALL VENT PIPE MINIMUM 6" PER 100 FEET OF RUN.
- STORM DRAINAGE PIPE SHALL HAVE A UNIFORM MINIMUM CONTINUOUS SLOPE OF 1/8 INCH PER FOOT OF RUN. SLOPES OF 1/4 INCH PER FOOT ARE PERMITTED WHERE NOTED ON PLAN OR AS REQUIRED.
- PROVIDE FITTINGS FOR SANITARY DRAIN, WASTE AND WASTE PIPING SYSTEMS OF APPROVED DRAINAGE PATTERN AND LONG OR SHORT RADIUS TYPES AS REQUIRED AND APPROVED FOR USE IN COMPLIANCE WITH PLUMBING CODE REQUIREMENTS.
- PROVIDE CLEAMOUTS AT EACH CHANGE OF DRAINLINE DIRECTION GREATER THAN 45° AND IN COMPLIANCE WITH PLUMBING CODE REQUIREMENTS.
- PROVIDE BRACING TO PREVENT AXIAL MOVEMENT FOR ALL DRAINAGE PIPING. PROVIDE RESTRAINTS AT ALL CHANGES IN DIRECTION AND AT ALL DIAMETER CHANGES GREATER THAN TWO PIPE SIZES. BRACES, BLOCKS, RODDING AND OTHER METHODS AS PRESCRIBED BY THE PIPE AND COUPLING MANUFACTURER SHALL BE ACCEPTABLE.
- CONTRACTOR SHALL STERILIZE ALL DOMESTIC WATER PIPING ACCORDING TO AMERICAN WATER WORKS ASSOCIATION (AWWA) SPECIFICATIONS.
- PROVIDE BENTONITE WATERPROOFING BARRIER IN ALL PLUMBING UTILITY TRENCHES BELOW GROUND AT THE POINT OF BUILDING EXT. BARRIER SHALL BE VOLCANIC GPO 30, OR EQUAL AND SHALL BE MINIMUM 24" THICK ACROSS ENTIRE TRENCH WIDTH, FROM BOTTOM OF TRENCH TO 12" ABOVE BOTTOM OF GRADE BEAMS.
- ALL CAST IRON FITTINGS AND INSTALLATION SHALL COMPLY WITH THE CAST IRON SOIL PIPE INSTITUTE (CISPI) STANDARDS.
- REFER TO ARCHITECTURAL DETAIL 25/A-510 FOR ROOF PENETRATION FLASHING.
- REFER TO ARCHITECTURAL DETAIL 5,11/A-511 FOR ROOF DRAIN DETAIL.

PLUMBING LEGEND		
DISREGARD LEGEND ITEMS NOT INDICATED ON DRAWINGS		
SYMBOL	DESCRIPTION	ABBR.
---	SOIL OR WASTE PIPING B.G.	WST
---	SOIL OR WASTE PIPING A.G.	WST
GW	GREASE WASTE PIPING	GW
---	VENT PIPING	V
SD	STORM DRAIN PIPING	SD
OD	OVERFLOW STORM DRAIN PIPING	OD
G	Gas LINE	G
F	FIRE OR SPRINKLER LINE	F
---	DOMESTIC COLD WATER	CW
---	DOMESTIC HOT WATER	HW
---	DOMESTIC HOT WATER RETURN	HWR
TW	TEMPERED DOMESTIC HOT WATER	TW
GV	GATE VALVE	GV
GLV	GLOBE VALVE	GLV
BV	BALL VALVE	BV
CKV	CHECK VALVE	CKV
BAV	BALANCING VALVE	BAV
BTV	BUTTERFLY VALVE	BTV
PLV	PLUG VALVE	PLV
PRV	PRESSURE REDUCING VALVE	PRV
T&P	PRESSURE RELIEF VALVE	T&P
STR	STRAINER	STR
UN	UNION	UN
TW	THERMOMETER WELL	TW
PG	PRESSURE GAUGE	PG
TRM	THERMOMETER	TRM
D	CONDENSATE OR INDIRECT DRAIN	D
---	BRANCH CONNECTION, TOP	---
---	BRANCH CONNECTION, BOTTOM	---
---	ELBOW UP	---
---	ELBOW DOWN	---
---	FLOOR CLEAMOUT (INTERIOR)	FCO
---	CLEAMOUT AT GRADE (EXTERIOR)	COG
---	WALL CLEAMOUT	WCO
---	FLOOR DRAIN	FD
---	FLOOR SINK	FS
---	HOSE BIBB	HB
---	WALL HYDRANT	WH
---	NEW TO EXISTING PIPE CONNECTION	---
P/X	PLUMBING RISER IDENTIFICATION	P/X
DS/X	DOWNSPOUT RISER IDENTIFICATION	DS/X
F/X	FIRE RISER IDENTIFICATION	F/X
---	ABBREVIATIONS	ABBR.
---	ABOVE FINISHED FLOOR	AFF
---	ACCESS PANEL	AP
---	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

SHOCK ARRESTOR SCHEDULE		
P.D.I. SYMBOL	FIXTURE UNITS	SIZE
(A)	1-11	1/2" NPT
(B)	12-32	3/4" NPT
(C)	33-60	1" NPT
(D)	61-113	1 1/4" NPT
(E)	114-154	1 1/2" NPT
(F)	155-330	2" NPT

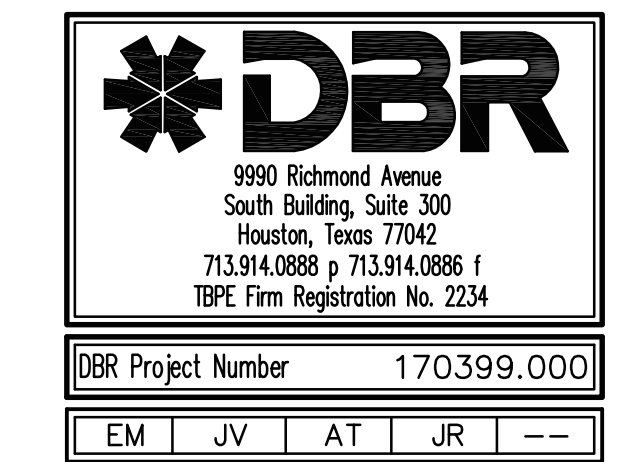
PIPING RISER DIAGRAMS ILLUSTRATE SHOCK ARRESTORS AND AIR CHAMBERS FOR FIXTURE WATER PIPE OPENINGS. AIR CHAMBERS, WHERE USED, SHALL BE SIZED AS NOTED IN PLUMBING RISER DETAILS ON THIS SHEET OR PER PLUMBING CODE REQUIREMENTS, WHICHEVER PLACES THE MOST STRINGENT REQUIREMENT.

AT CONTRACTOR OPTION, AIR CHAMBERS MAY BE OMITTED AND REPLACED WITH ASME 1986 PRE-CHARGED SHOCK ARRESTOR FITTING SIZED AND LOCATED IN ACCORDANCE WITH P.D.I. STANDARD WH-201

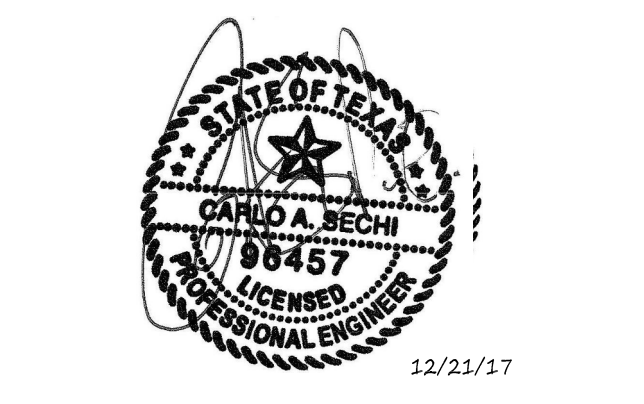
SHOCK ARRESTORS SHALL HAVE LIFETIME WARRANTY AND SHALL BE CERTIFIED BY THE MANUFACTURER TO BE SUITABLE FOR INSTALLATION WITHOUT REQUIREMENT FOR ACCESS DOORS.

Kirksey ARCHITECTURE

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These drawings have been prepared as one coordinated set of drawings and are complementary. What is required by one drawing is required by all of the drawings, even if detail or component part is not identified on every sheet. Any user's reliance on a single or select few sheet(s) of the drawings without consideration for the information included in the entire set of drawings will be at the user's sole risk and shall not form the basis for a request for additional compensation or time.



DATE	ISSUE
21 DEC 2017	ISSUED FOR BID AND OWNER REVIEW

PROJECT NAME
DAVIS-GARY (18)

PROJECT ADDRESS

KIRKSEY PROJECT NO. **2017228**
KEY PLAN

SHEET TITLE
PLUMBING DETAILS AND SCHEDULES

SHEET NUMBER
P4.01

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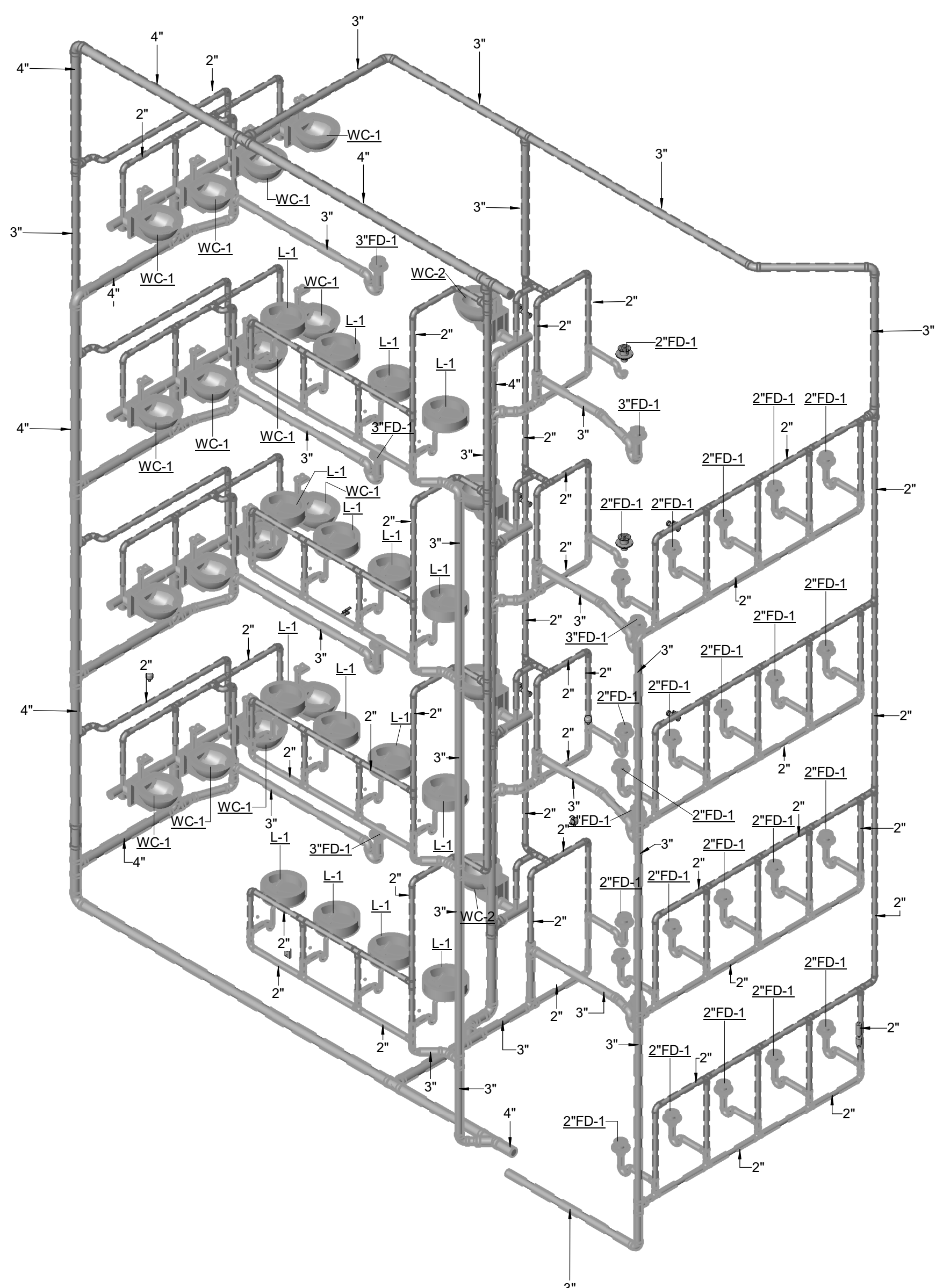
DBR Project Number 170399.000

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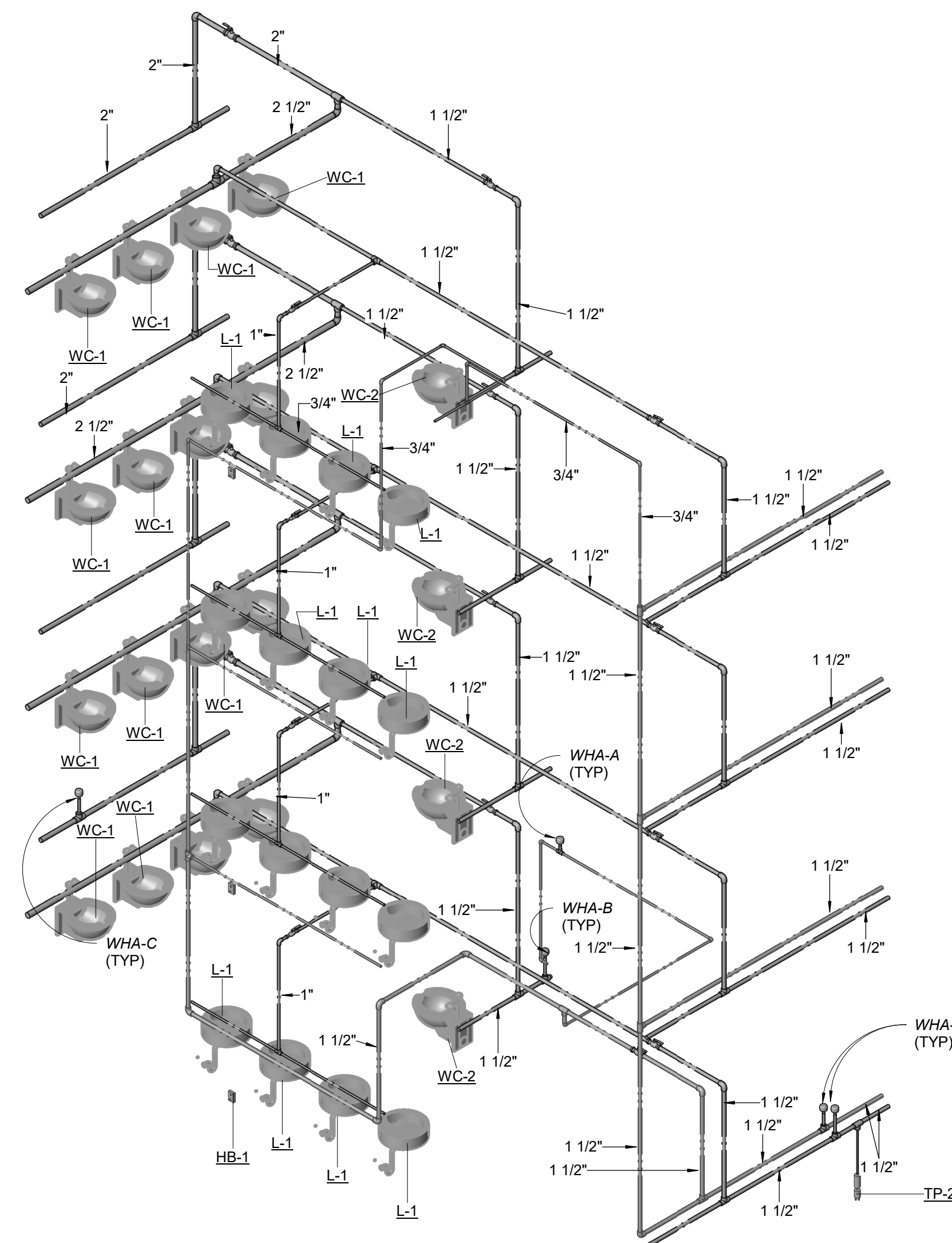
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DATE	ISSUE
12/21/2017	ISSUE FOR BID AND OWNER REVIEW



1 Plumbing Riser - Waste and Vent
P5.01



2 Plumbing Riser - Water
P5.01

PROJECT NAME
**TAMU MOSES & DAVIS-GARY
DORMITORY RESTROOM
RENOVATION PROJECT**

PROJECT ADDRESS

KIRKSEY PROJECT NO. **2017228**
KEY PLAN

SHEET TITLE
PLUMBING RISER DIAGRAMS

SHEET NUMBER
P5.01