

<b>OWNER:</b>	
REGENTS OF NEW MEXICO STATE UNIVERSITY CONTACT: OLGA HOLGUIN	
<b>CONSULTANTS:</b>	
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<b>ARCHITECT:</b>	
DESERT PEAK ARCHITECTS, INC	
311 NORTH MAIN STREET LAS CRUCES, NM 88005 P. (575) 528 - 0021 CONTACT: RUBEN CONTRERAS	



# NMSU- FACILITIES & SERVICES RESTROOM RENOVATION

## NMSU PROJECT # 5631

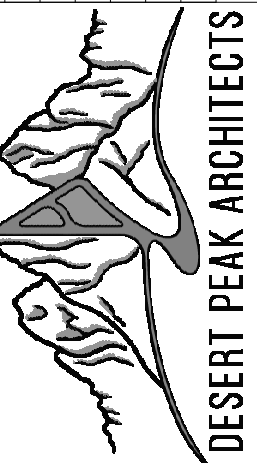
### 1530 WELLS ST, LAS CRUCES, NM 88003

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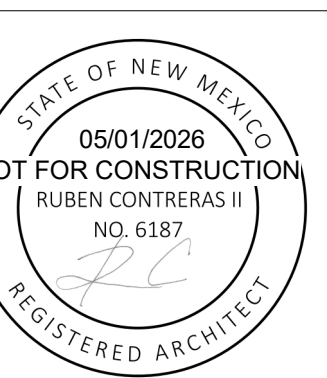
**NMSU FS RESTROOMS  
RENOVATIONS**  
 1530 Wells St, Las Cruces, NM 88003

Mark	Date	Description
	05/01/2026	95% CONSTRUCTION DOCUMENTS



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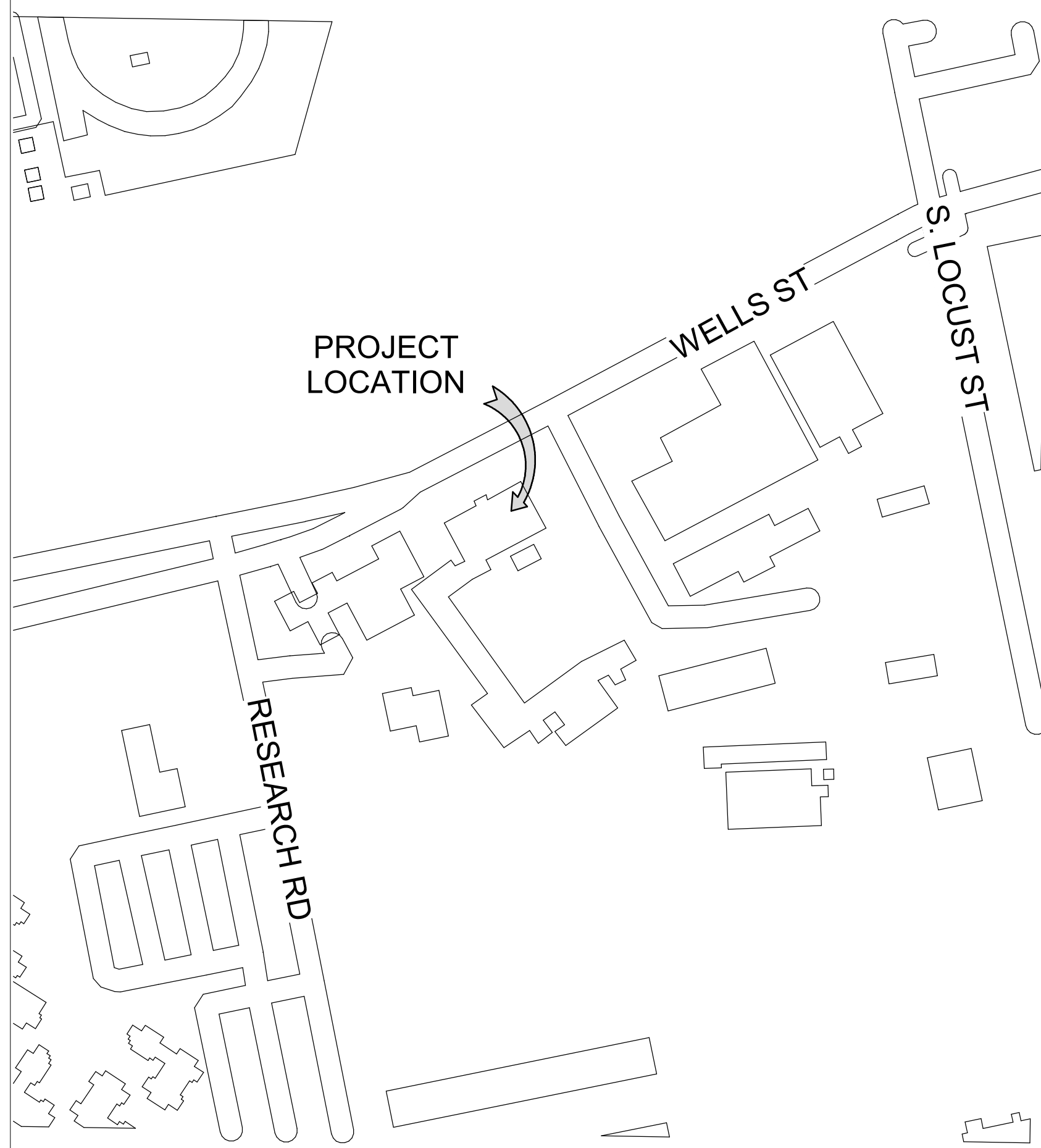
PROJECT NO.  
206-137

SHEET TITLE  
COVER SHEET

SHEET NO.

# G001

## VICINITY MAP



## DESIGN CODES

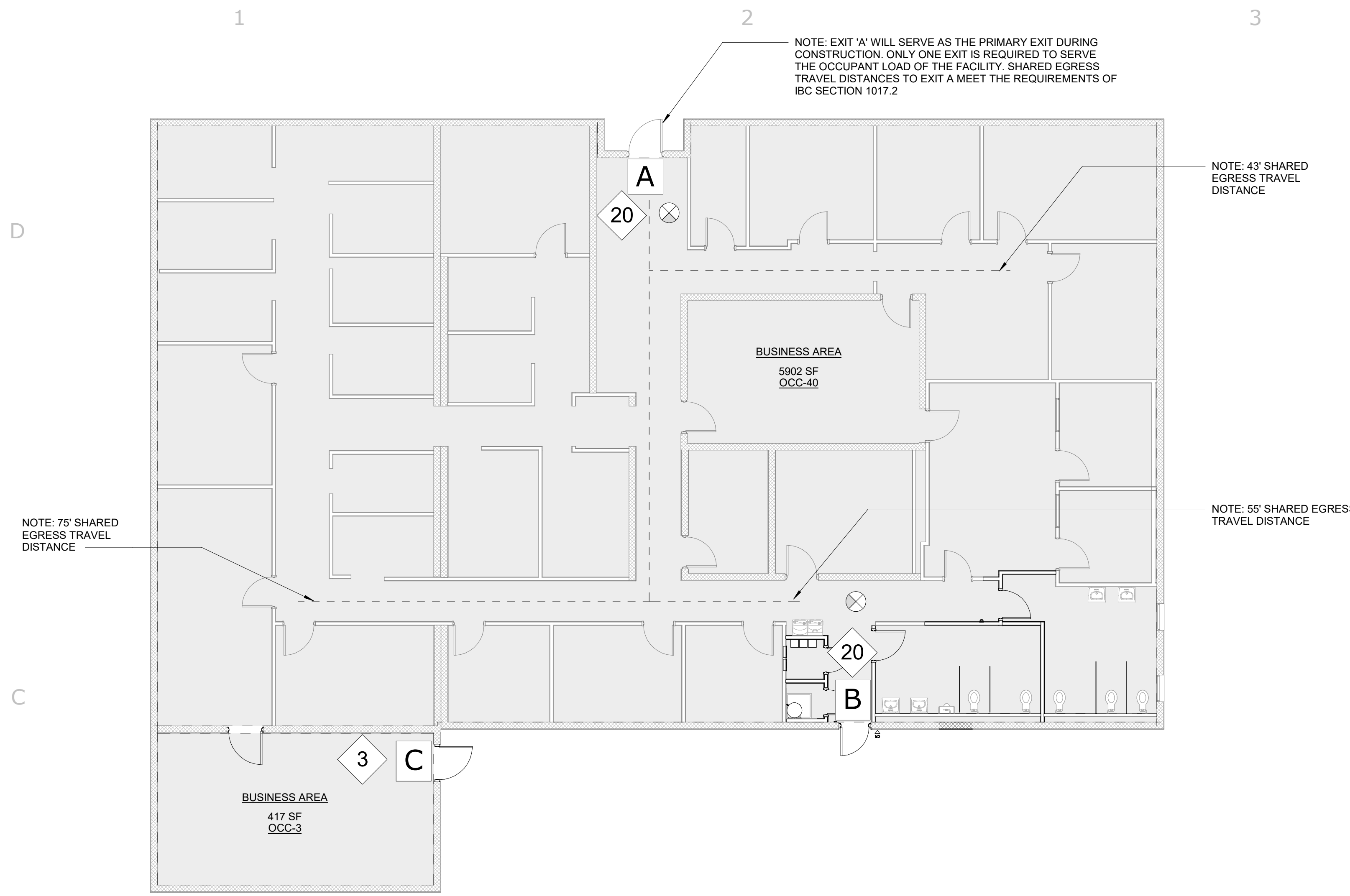
- 2021 INTERNATIONAL BUILDING CODE
- 2021 INTERNATIONAL EXISTING BUILDING CODE
- 2021 NM COMMERCIAL CODES
- 2021 UNIFORM PLUMBING CODE
- 2021 NM PLUMBING CODE
- 2021 UNIFORM MECHANICAL CODE
- 2021 NM MECHANICAL CODE
- 2020 NATIONAL ELECTRICAL CODE
- 2020 NM ELECTRICAL CODE
- 2021 INTERNATIONAL ENERGY CONSERVATION CODE
- 2021 NM COMMERCIAL ENERGY CODE

## MATERIAL LEGEND

CUT (SECTION)	PROJECTION (PLAN / ELEVATION)
CONCRETE	EXISTING WALL TO REMAIN
EARTH	NEW WALL
RIGID INSULATION	MEMBRANE ROOFING
BATT INSULATION	STUCCO
WOOD BLOCKING	1HR FIRE RATED WALL ASSEMBLY
SPRAYED INSULATION	CMU

## SYMBOL LEGEND

<b>ELEVATION SYMBOLS</b>	<b>REFERENCE KEYNOTE SYMBOL</b>
ELEVATION NUMBER A101 SIM SHEET NUMBER SIMILAR, TYPICAL, OR MIRRORRED REFERENCE	KEYNOTE - REFERS TO KEYNOTE LEGEND ON EACH SHEET
<b>BUILDING SECTION SYMBOL</b>	<b>WALL SECTION SYMBOL</b>
BUILDING SECTION NUMBER A101 SIM SHEET NUMBER	BUILDING SECTION NUMBER A101 SIM SHEET NUMBER
<b>WINDOW/ DOOR TAG SYMBOLS</b>	<b>DETAIL SYMBOL</b>
DOOR TAG 101	DETAIL A101 SIM SHEET NUMBER SIMILAR, TYPICAL, OR MIRRORRED REFERENCE
WINDOW TAG 1t	DETAIL A101 SHEET NUMBER
<b>WALL TAG SYMBOL</b>	<b>ROOM TAG SYMBOL</b>
PARTITION TYPE 1t	ROOM NUMBER 101 AREA 1,234 SF OCCUPANT LOAD 12
<b>CEILING TAG SYMBOL</b>	<b>SPOT DIMENSIONS</b>
CEILING TAG SYMBOL CH= 1'-0" HEIGHT INDICATION (ABOVE RESPECTIVE FLOOR LEVEL ELEVATION)	SPOT DIMENSIONS 0'-0" HEIGHT INDICATION (ABOVE RESPECTIVE GROUND FLOOR LEVEL ELEVATION)



**C1**  
**G002** FIRST FLOOR EXITING DIAGRAM  
1/8" = 1'-0"

### EXIT CAPACITIES

MARK	CLEAR WIDTH	FACTOR	CAPACITY	ACTUAL USAGE
A	32"	2	160	20
B	30"	2	150	20
C	32"	2	160	3

### EGRESS LEGEND

**BUSINESS** ← FUNCTION OF SPACE

5,902 SF  
OCC-39 ← AREA OF SPACE

← OCCUPANT LOAD OF SPACE

**A** EXIT IDENTIFICATION MARKER

**#** TOTAL NUMBER OF OCCUPANTS SERVED BY AN EXIT

--- MAX TRAVEL DISTANCE LINE

LOCATION OF EXIT SIGNAGE

### PROJECT INFORMATION

**PROJECT INFORMATION**

LEVEL 2 RENOVATIONS TO EXISTING BUILDING

Per IBC 2021 - 304.1  
OCCUPANCY CLASSIFICATION - GROUP B

CONSTRUCTION TYPE - IIB  
SPRINKLERED: NO

TOTAL GSF: 5,902 GSF  
GSF OF FIRST FLOOR: 5,902 GSF

### CODE REVIEW

**GENERAL BUILDING HEIGHTS AND AREAS** - Per IBC 2021 - TABLES 504.3, 504.4, 506.2

ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE:

- TYPE II-B (NON-SPRINKLED): 55'
- ACTUAL BUILDING HEIGHT IN FEET ABOVE GRADE PLANE: 12'

ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE:

- TYPE II-B (NON-SPRINKLED): 3
- ACTUAL NUMBER OF STORIES ABOVE GRADE PLANE: 1

ALLOWABLE AREA IN SQUARE FEET (PER FLOOR):

- TYPE II-B (NON-SPRINKLED): 23,000 SF
- ACTUAL MAX FLOOR AREA IN SQUARE FEET (FIRST FLOOR): 5,902 GSF (UNCHANGED)

**OCCUPANT LOAD FACTORS** - Per IBC 2021 1004.5

BUSINESS AREAS - 150 GSF/OCCUPANT

**OCCUPANT LOADS**

BUSINESS AREAS - 5902 SF / 150 = 39.14 OCCUPANTS  
BUSINESS AREAS - 417 SF / 150 = 2.78 OCCUPANTS

TOTAL OCCUPANT LOAD (FIRE AREA): 43 OCCUPANTS

**MEANS OF EGRESS** - Per IBC 2021 CHAPTER 10

MINIMUM REQUIRED EGRESS

STAIRS 0.37 OCCUPANT  
EXITS 0.27 OCCUPANT  
EGRESS DOORS: 32" MINIMUM CLEAR

**EXIT CORRIDOR WIDTH REQUIREMENTS** - Per IBC 2021 1020.3

OCCUPANCY: "WITH AN OCCUPANT LOAD OF LESS THAN 50"

REQUIRED: 36" CLEAR WIDTH MIN. PROVIDED: 48" CLEAR WIDTH

**EXIT TRAVEL DISTANCE REQUIREMENTS** - Per IBC 2021 1017.2

OCCUPANCY CLASSIFICATION B (NON-SPRINKLED) - 75'-0" MAX DISTANCE

MAX EXIT TRAVEL DISTANCE: 75'-0"

**907.2.2 FIRE ALARM SYSTEMS**

A MANUAL FIRE ALARM SYSTEM IS NOT REQUIRED AS THE OCCUPANT LOAD IS LESS THAN 100 AT THE LOWEST LEVEL OF EXIT DISCHARGE.

THE EXISTING BUILDING IS EQUIPPED WITH A MANUAL FIRE ALARM SYSTEM. THE EXISTING PULL STATION IS TO BE RE-LOCATED TO THE NEW LOCATION OF EXIT "B" IN NEW WORK. REFER TO ELECTRICAL.

### PLUMBING REQUIREMENTS:

(IBC 2015 CHAPTER 29: TABLE 2902.1)

**PLUMBING REQUIREMENTS:**

OCCUPANCY: B (BUSINESS)

TOTAL OCCUPANT LOAD (43) = 21 WOMEN  
22 MEN

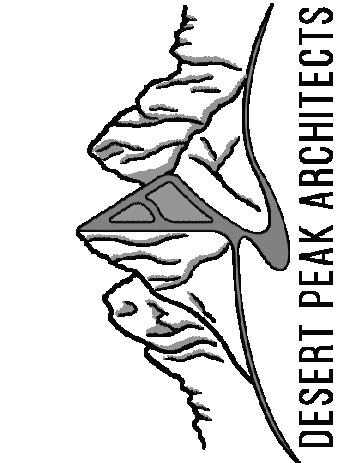
USE	REQUIRED		PROVIDED	
	W.C.	LAV.	W.C.	LAV.
MEN	1	1	3	2
WOMEN	1	1	3	2

DRINKING FOUNTAINS OCCUPANTS (43)	REQUIRED	PROVIDED
	1	2 (EXISTING)

SERVICE SINK	REQUIRED	PROVIDED
	1	1

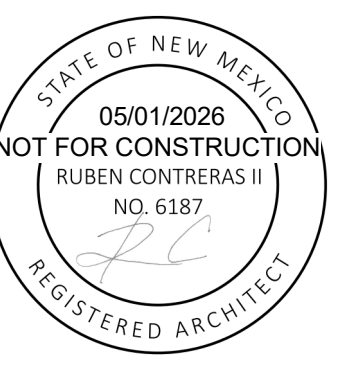
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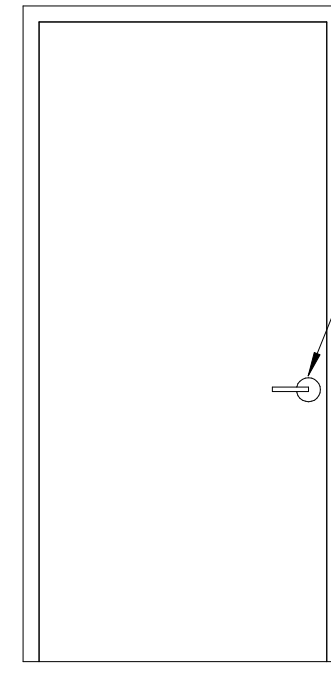
PROJECT NO.  
206-137

SHEET TITLE  
CODE REVIEW DATA

SHEET NO.

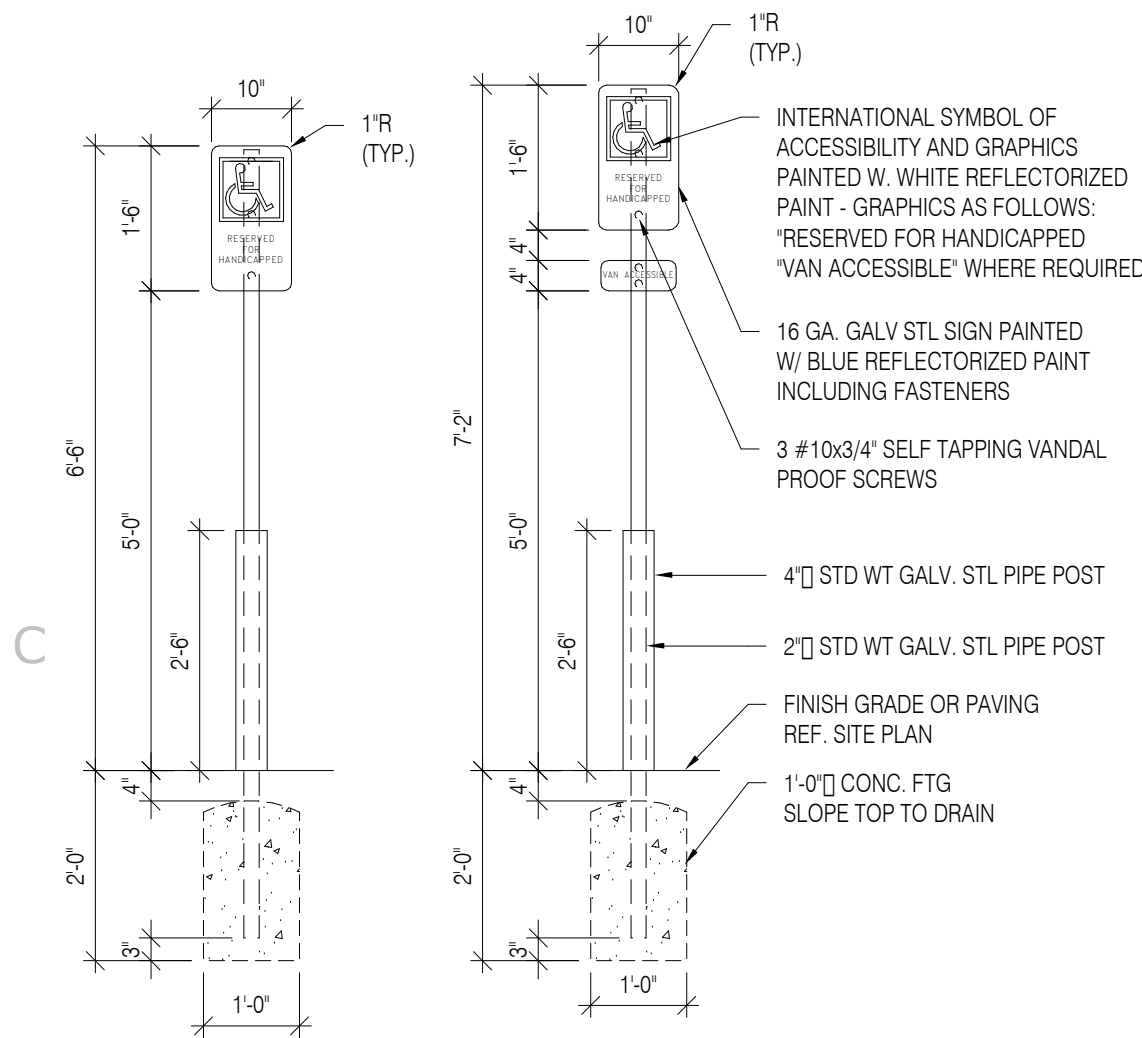
G002

1



ALL DOOR HARDWARE TO COMPLY WITH SECTION 1010.1.9  
REGARDING: HARDWARE, HARDWARE HEIGHT, LOCKS AND LATCHES, BOLT LOCKS, UNLATCHING, CONTROLLED EGRESS DOORS, DELAYED EGRESS, SENSOR RELEASE OF ELECTRICALLY LOCKED EGRESS DOORS, ELECTROMAGNETIC LOCKED EGRESS DOORS, LOCKING ARRANGEMENTS IN CORRECTIONAL FACILITIES AND STAIRWAY DOORS

D1 HARDWARE  
G003 1/2" = 1'-0"

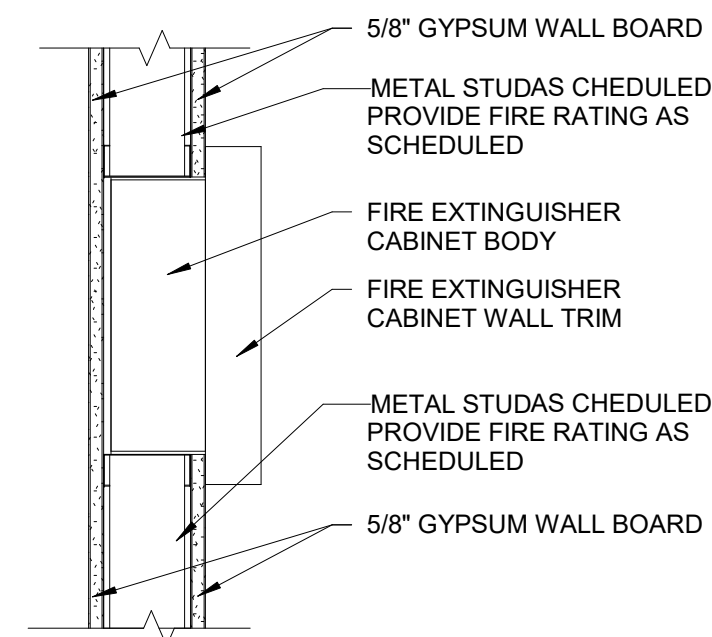


INTERNATIONAL SYMBOL OF ACCESSIBILITY AND GRAPHICS PAINTED W. WHITE REFLECTORIZED PAINT - GRAPHICS AS FOLLOWS: \*RESERVED FOR HANDICAPPED \*VAN ACCESSIBLE WHERE REQUIRED

16 GA. GALV. STL. SIGN PAINTED W/ BLUE REFLECTORIZED PAINT INCLUDING FASTENERS  
3 #10x3/4" SELF TAPPING VANDAL PROOF SCREWS  
4" STD WT. GALV. STL. PIPE POST  
2" STD WT. GALV. STL. PIPE POST  
FINISH GRADE OR PAVING REF. SITE PLAN  
1'-0" CONC. FTG SLOPE TOP TO DRAIN

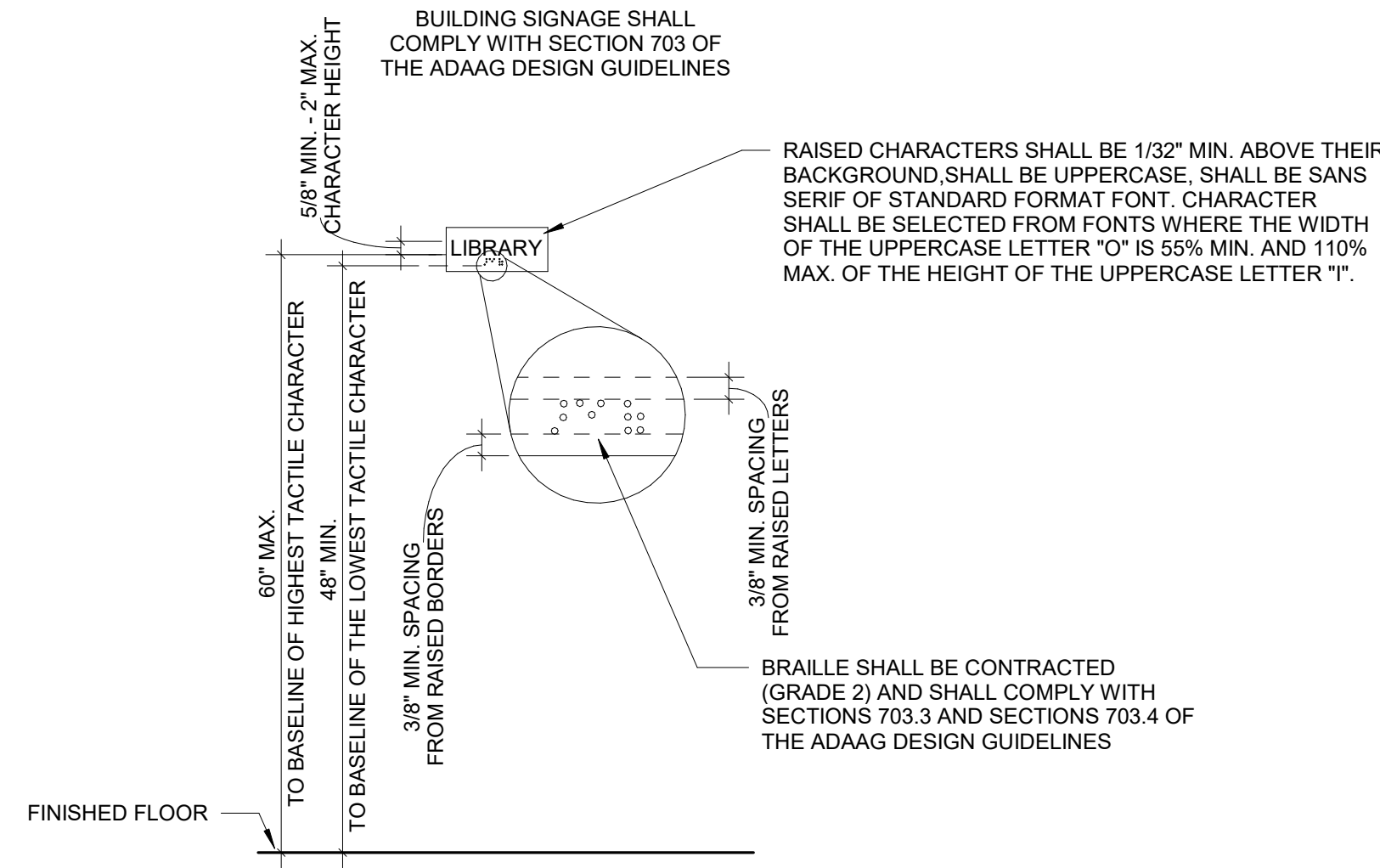
C1 ACCESSIBILITY SIGN  
G003 1/2" = 1'-0"

2



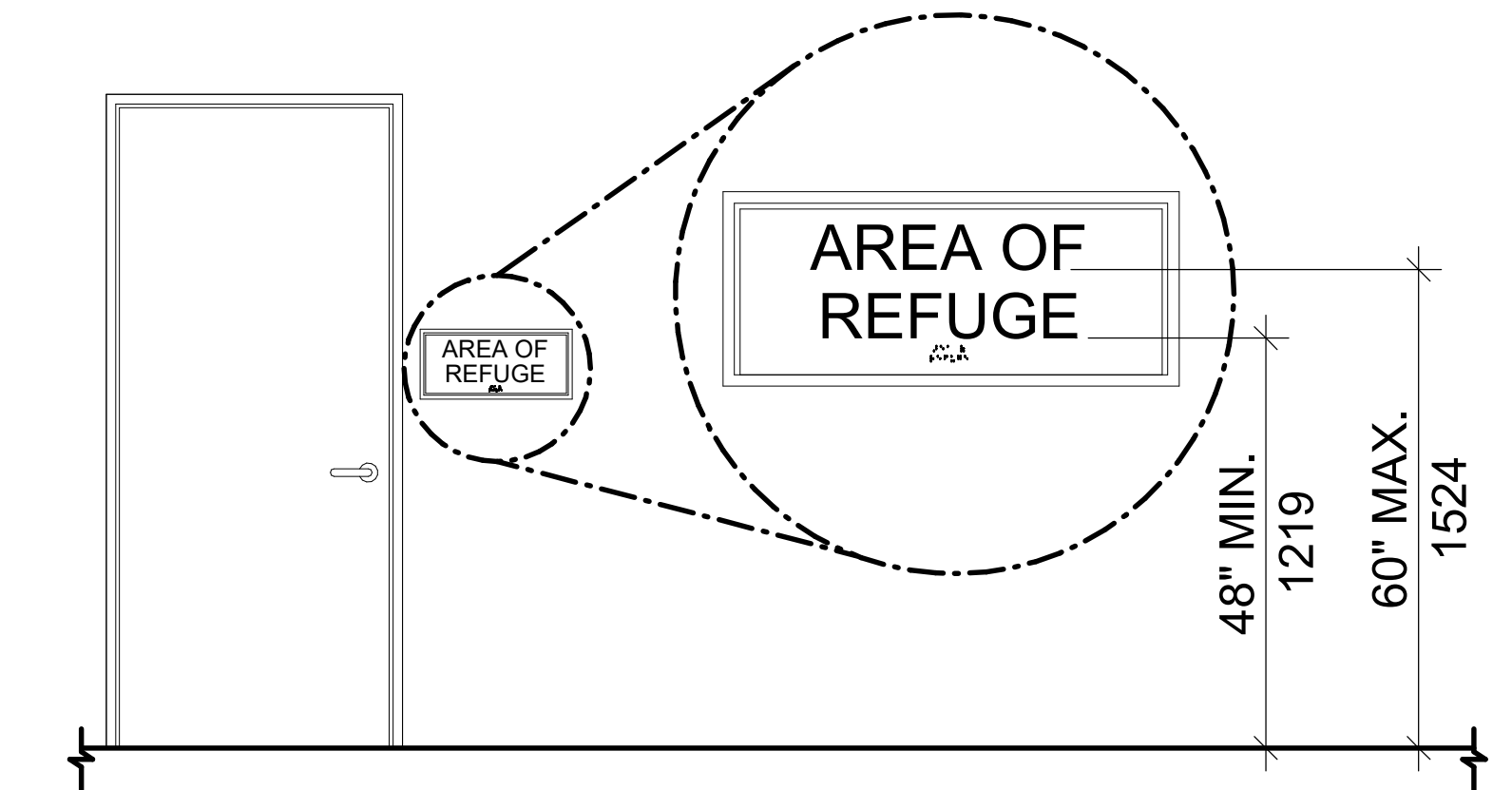
C2 FIRE EXTINGUISHER CABINET DETAIL  
G003 1 1/2" = 1'-0"

3



C3 BUILDING SIGNAGE  
G003 1/2" = 1'-0"

4



C4 TACTILE SIGN  
G003 1/2" = 1'-0"

AREA OF REFUGE

48" MIN.  
1219  
60" MAX.  
1524

NMSU FS RESTROOMS RENOVATIONS

1530 Wells St, Las Cruces, NM 88003

ABBREVIATION LEGEND

MI:	MIRROR
TP:	TOILET PAPER DISPENSER
SND:	SANITARY NAPKIN DISPOSAL
GB42:	GRAB BAR - 42" LONG
GB36:	GRAB BAR - 36" LONG
GB18:	VERTICAL GRAB BAR - 18" LONG
EHD:	ELECTRIC HAND DRYER
SD:	SOAP DISPENSER
PD:	PAPER TOWEL DISPENSER
DF:	DRINKING FOUNTAIN
FE:	FIRE EXTINGUISHER
WC:	WATER CLOSET
UR:	URINAL

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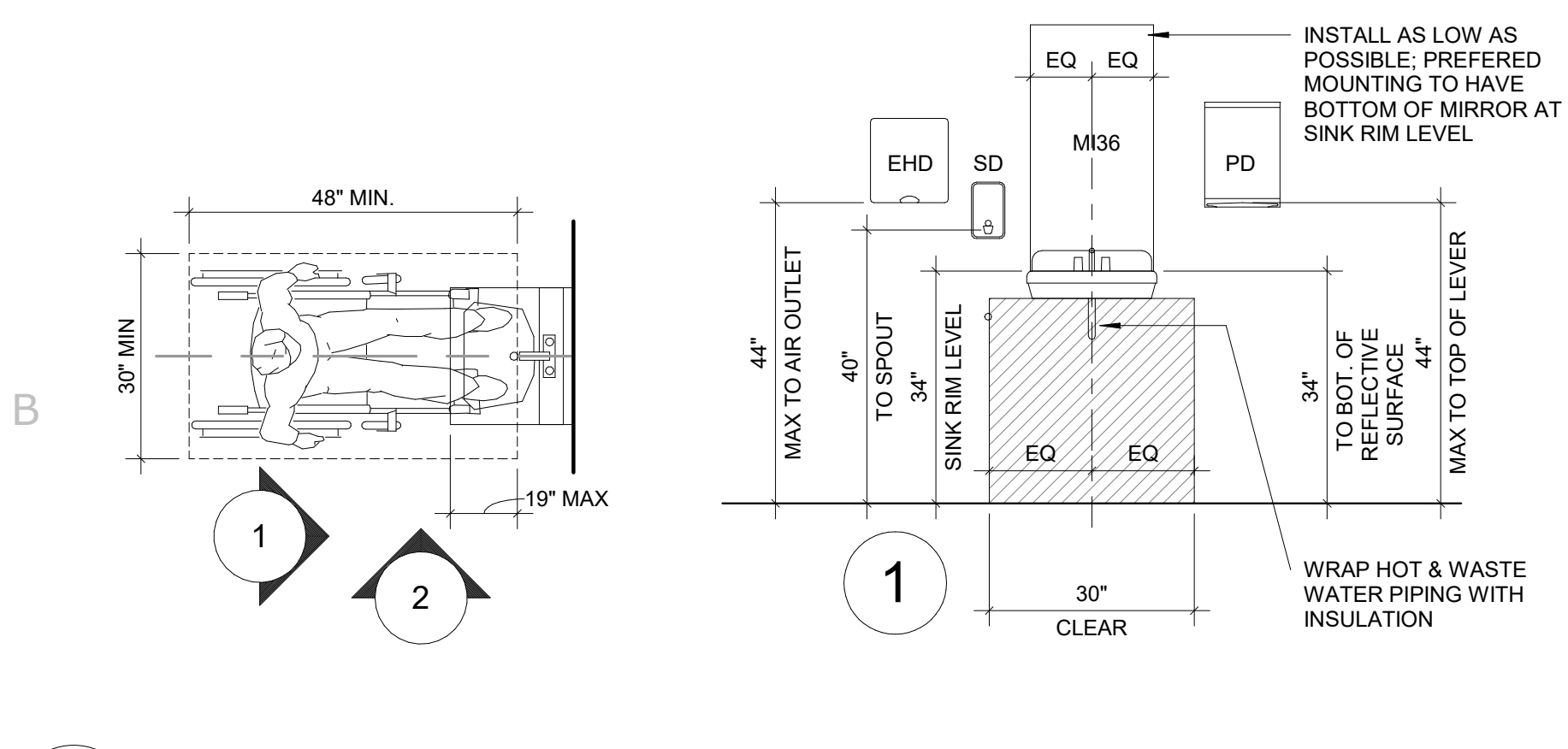
SHEET TITLE

ACCESSIBLE MOUNTING HEIGHTS

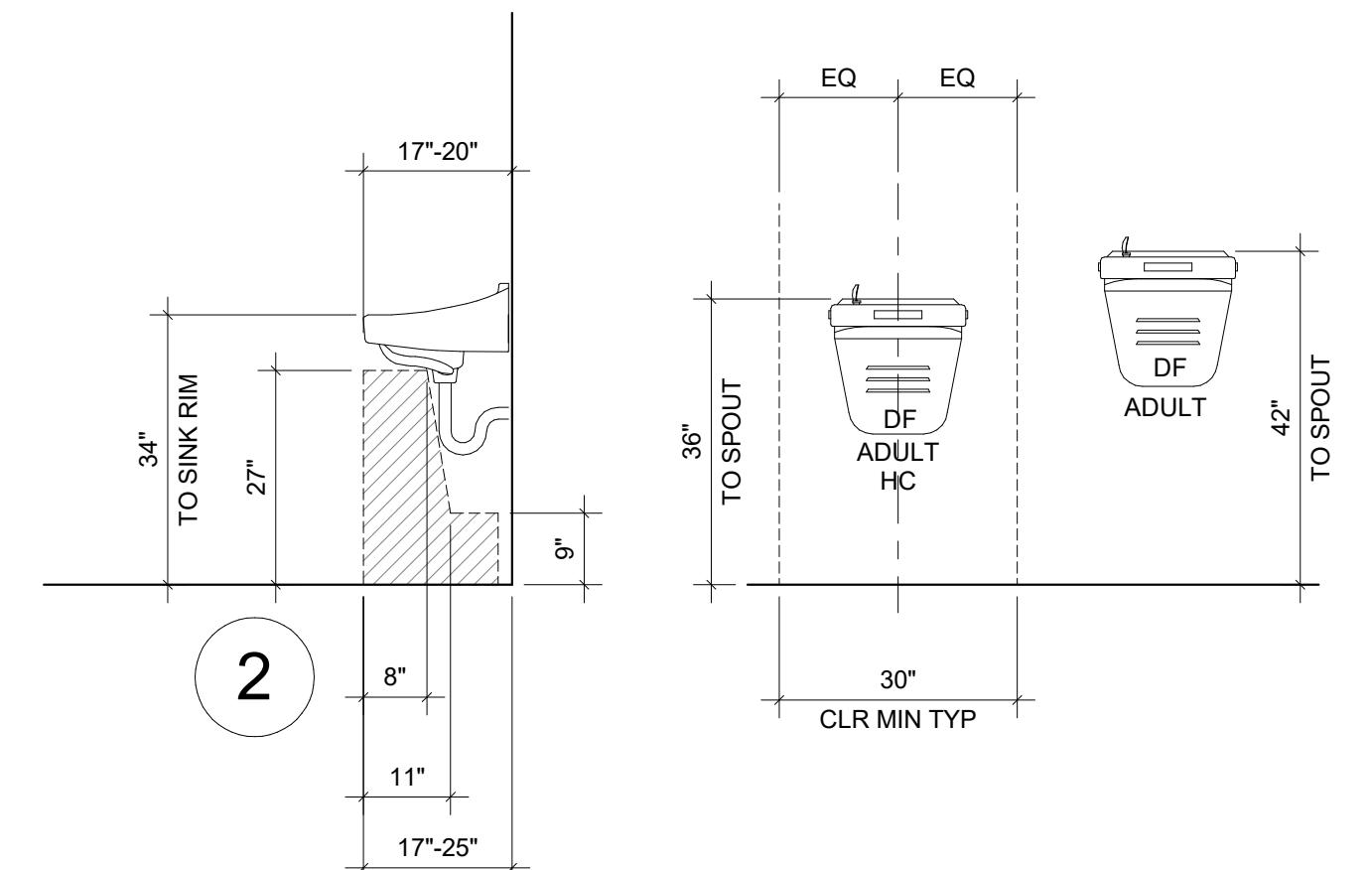
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G003

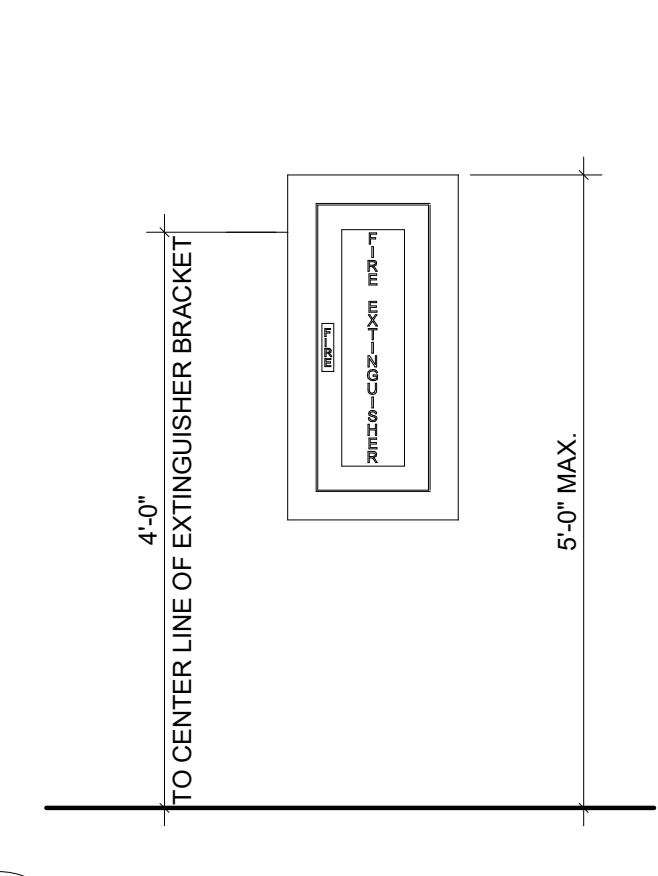
B1 TYPICAL ADA MOUNTING HEIGHTS (ADULT)  
G003 1/2" = 1'-0"



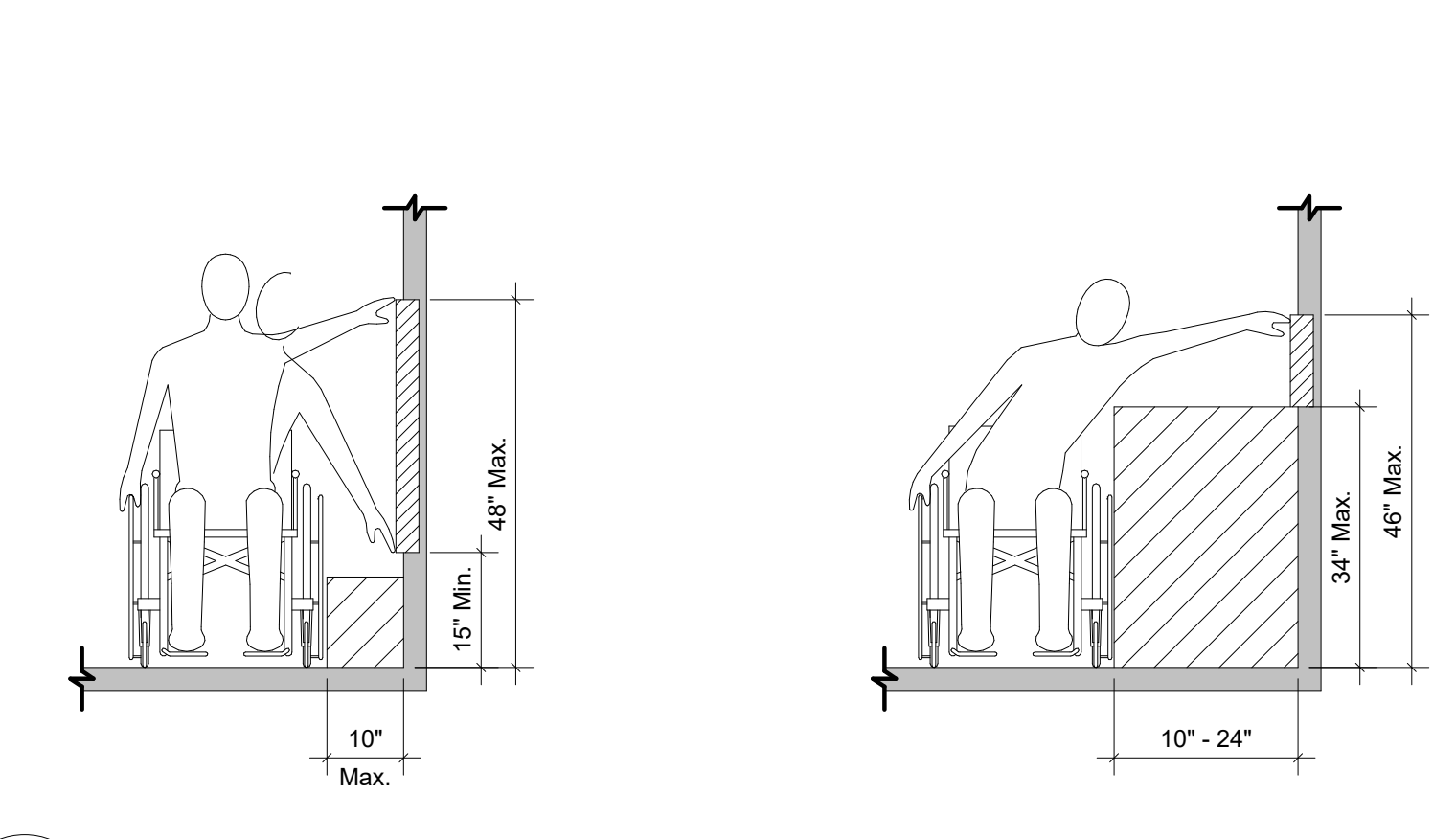
B2 TYPICAL ADA MOUNTING HEIGHTS (ADULT)  
G003 1/2" = 1'-0"



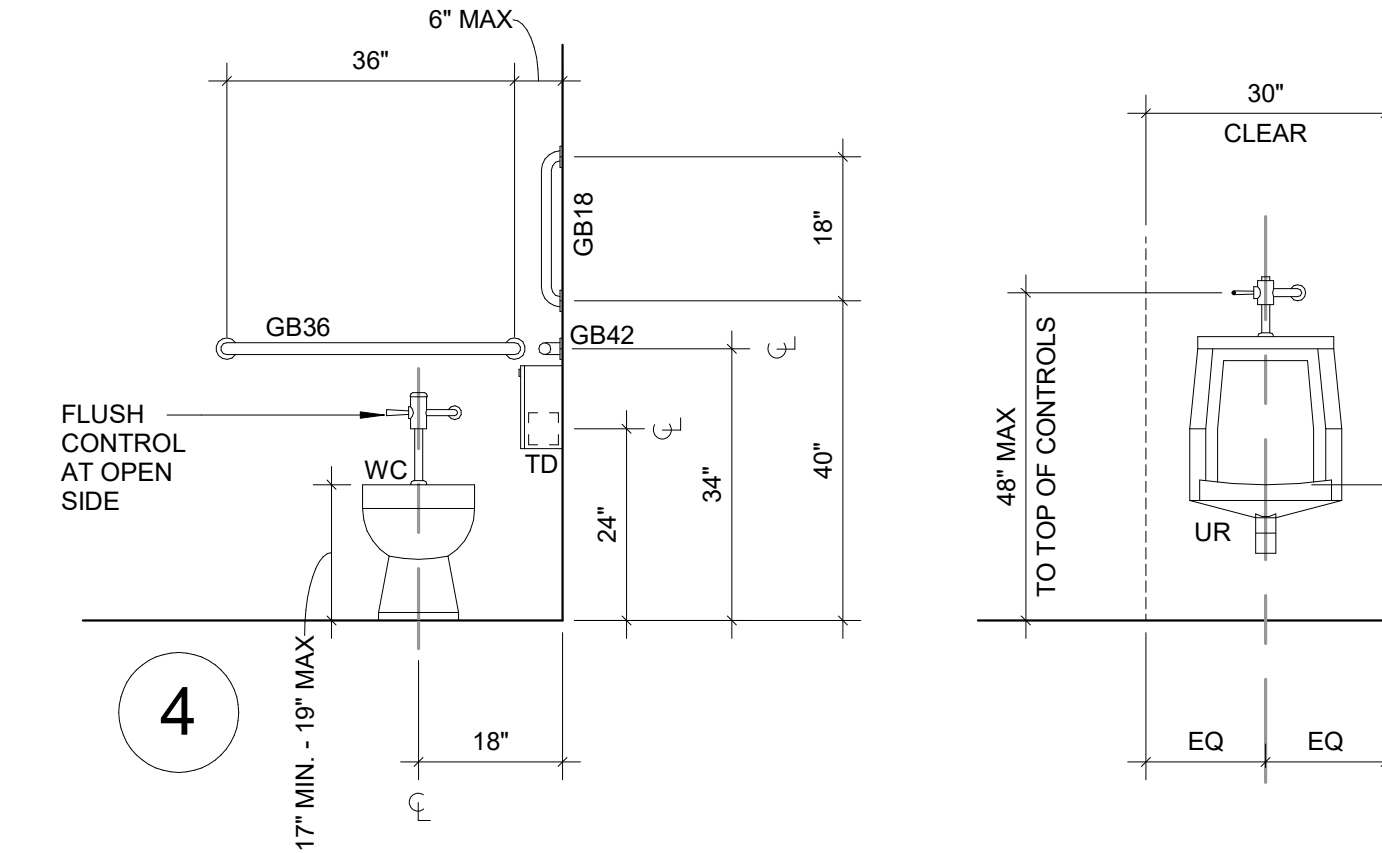
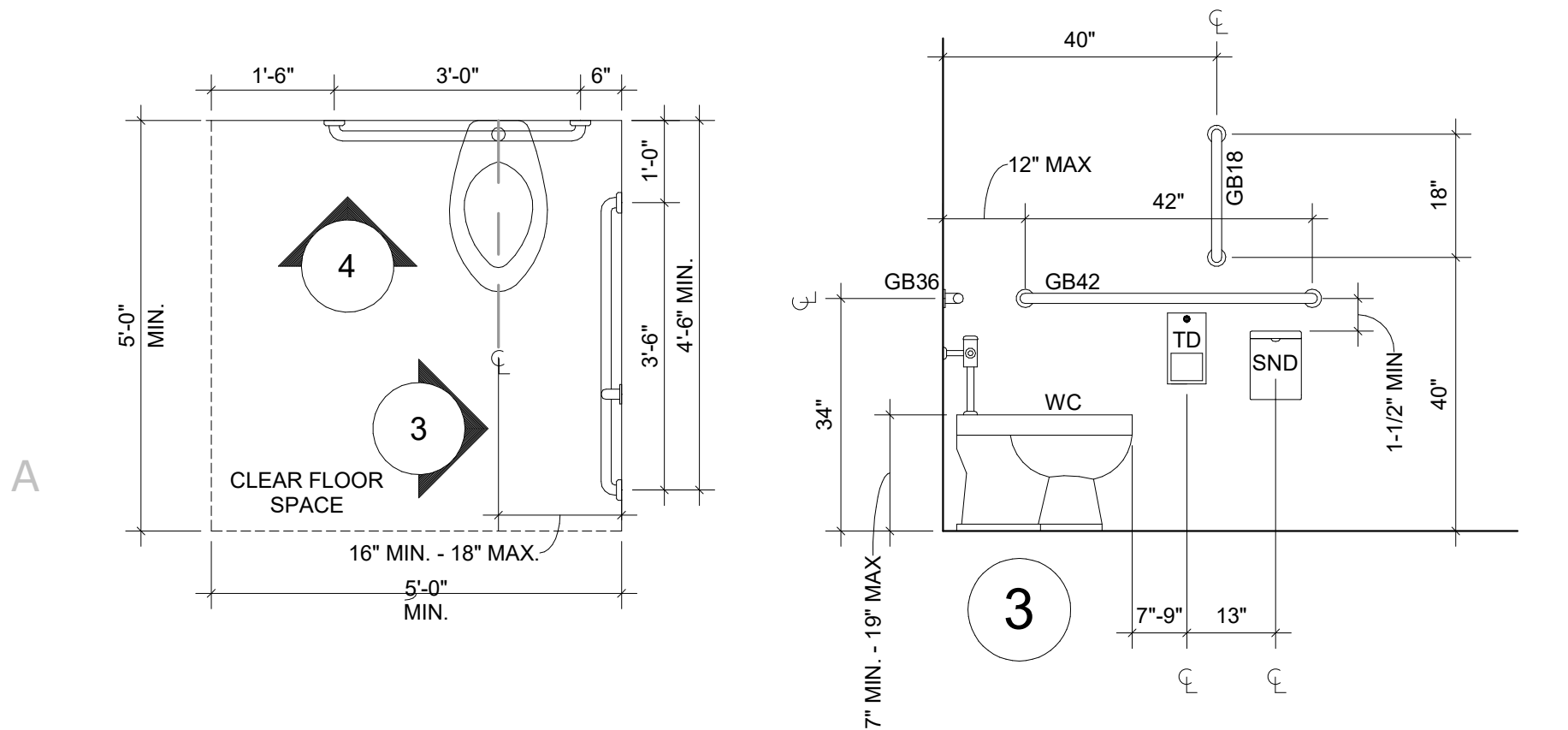
B3 FEC MOUNTING DETAIL  
G003 3/4" = 1'-0"



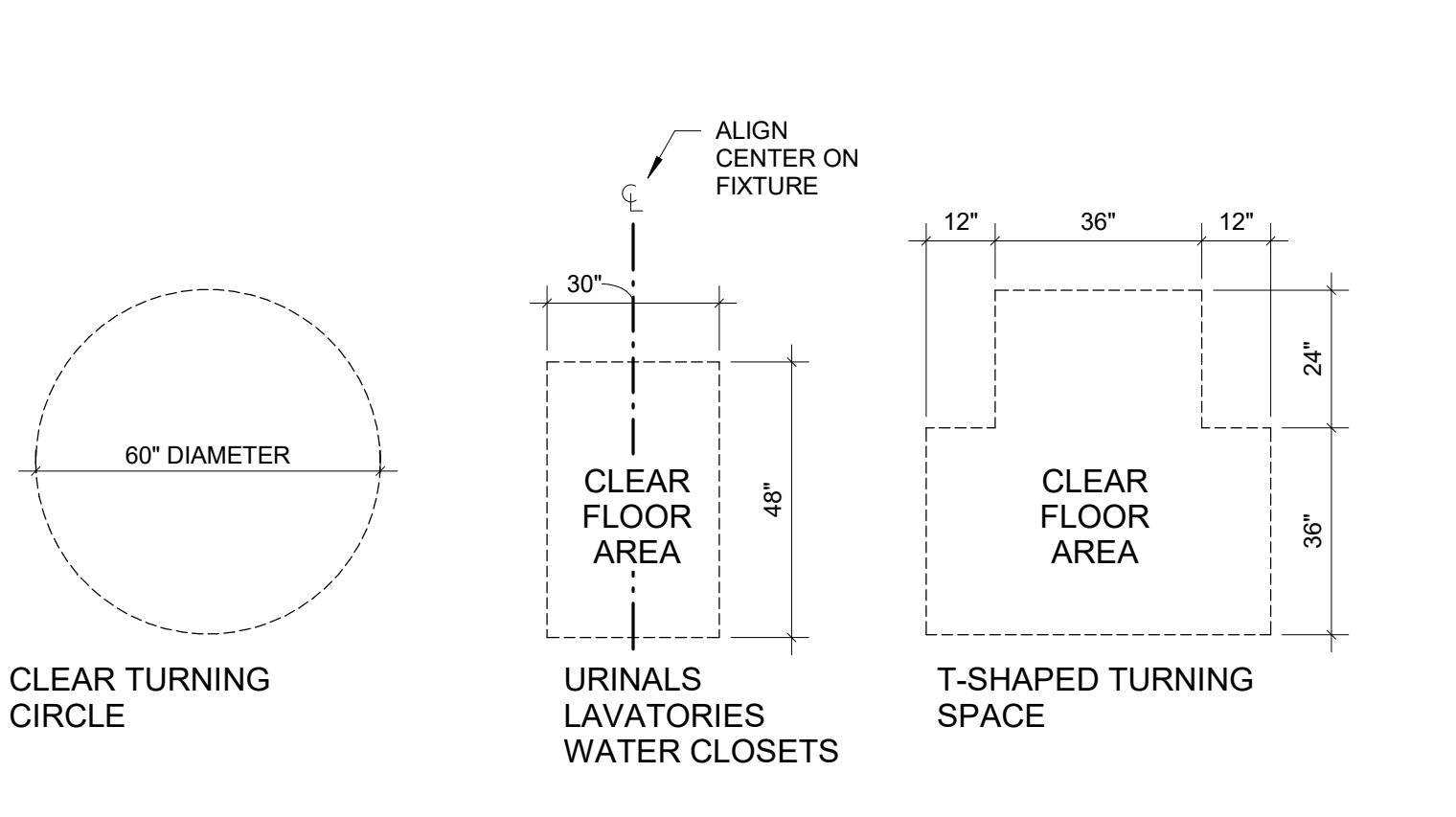
B4 TYPICAL ADA MOUNTING HEIGHTS (ADULT)  
G003 1/2" = 1'-0"



A1 TYPICAL ADA MOUNTING HEIGHTS (ADULT)  
G003 1/2" = 1'-0"



A4 01 FLOOR AREA DIAGRAMS  
G003 3/8" = 1'-0"



## GENERAL NOTES - DEMOLITION

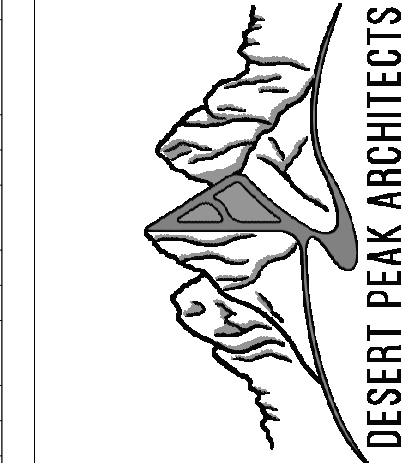
- A. ALL DIMENSIONS ARE TO FACE OF EXISTING FINISHES OR FINISHED FLOOR U.N.O.
- B. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- C. CONTRACTOR SHALL PROVIDE TEMPORARY BARRIERS DURING CONSTRUCTION TO PROVIDE DUST AND DEBRIS CONTROL. CONTRACTOR TO COORDINATE BARRIER LOCATIONS WITH OWNER/ARCHITECT.
- D. CONTRACTOR SHALL PROTECT ALL EXISTING TO REMAIN ITEMS WITHIN THE WORK AREA TO PREVENT DAMAGE. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING/REPLACING ANY DAMAGE DONE TO EXISTING CONDITIONS TO REMAIN. CONTRACTOR SHALL COORDINATE SITE ACCESS AND STAGING AREA WITH OWNER/ARCHITECT.
- E. THE CONTRACTOR SHALL REPAIR AND REPLACE ANY ITEM OR SURFACE DAMAGED BY THE WORK, OR AS REQUIRED BY NEW INSTALLATION.
- F. ALL DEMOLISHED MATERIALS TO BE REMOVED FROM SITE U.N.O.
- G. CONTRACTOR SHALL KEEP ALL EXISTING EXIT WAYS CLEAR AND OPEN DURING CONSTRUCTION TO EXTENT POSSIBLE. COORDINATE SCHEDULE FOR CLOSURE OF EGRESS ROUTES WITH OWNER PRIOR TO COMMENCING THE WORK.
- H. HAZARDOUS MATERIALS - IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED DURING THE WORK. UPON DISCOVERY OF HAZARDOUS MATERIALS, CONTRACTOR SHALL STOP WORK AND INFORM THE OWNER/ARCHITECT REFER TO ELECTRICAL AND MECHANICAL FOR FULL SCOPE OF DEMOLITION.
- I.
- J.

## KEYNOTE LEGEND

1	DEMOLISH AND REMOVE PORTION OF EXISTING METAL STUD AND GYPSUM WALL BOARD PARTITION.
2	DEMOLISH AND REMOVE EXISTING METAL STUD AND GYPSUM WALL BOARD PARTITION.
3	SAW-CUT AND REMOVE PORTION OF EXISTING SLAB ON GRADE AS REQUIRED FOR INSTALLATION OF NEW PLUMBING IN NEW WORK. REFER TO PLUMBING.
4	DEMOLISH AND REMOVE EXISTING DOOR AND DOOR FRAME.
5	SAW-CUT AND REMOVE PORTION OF CMU BLOCK BELOW WINDOW AS REQUIRED FOR INSTALLATION OF NEW DOOR IN NEW WORK.
6	DEMOLISH AND REMOVE EXISTING URINAL SCREEN.
7	DEMOLISH AND REMOVE EXISTING TOILET COMPARTMENT.
8	DEMOLISH AND REMOVE EXISTING VCT FLOORING AS SHOWN.
9	DEMOLISH AND REMOVE EXISTING RESILIENT BASE IN WORK AREA.
10	DEMOLISH AND REMOVE EXISTING VANITY.
11	DEMOLISH AND REMOVE EXISTING LAVATORY.
12	DEMOLISH AND REMOVE EXISTING WATER CLOSET.
13	DEMOLISH AND REMOVE EXISTING URINAL.
14	DEMOLISH AND REMOVE EXISTING ELECTRICAL PANEL. REFER TO ELECTRICAL.
15	DEMOLISH AND REMOVE EXISTING COUNTERTOP, BASE CABINETRY AND UPPER CABINETRY.
16	DEMOLISH AND REMOVE EXISTING DRINKING FOUNTAIN.
17	REMOVE AND RE-LOCATE EXISTING FIRE ALARM MANUAL PULL STATION. REFER TO ELECTRICAL.
18	REMOVE AND RE-LOCATE EXISTING FIRE EXTINGUISHER AND ASSOCIATED SIGNAGE. REFER TO NEW WORK PLAN FOR NEW LOCATION.
19	DEMOLISH AND REMOVE EXISTING LIGHT FIXTURE. REFER TO ELECTRICAL.
20	REMOVE AND RE-LOCATE EXISTING SMOKE DETECTOR. REFER TO NEW WORK PLAN FOR NEW LOCATION.
21	EXISTING GYPSUM BOARD CEILING TO REMAIN. PATCH / REPAIR AS REQUIRED BY NEW WORK. FLOAT ENTIRE CEILING AND APPLY NEW TEXTURE FOR A UNIFORM APPEARANCE. PRIME AND PAINT.
22	DEMOLISH AND REMOVE PORTION OF EXISTING ACOUSTICAL TILE CEILING AS SHOWN.
23	DEMOLISH AND REMOVE PORTION OF EXISTING GYPSUM BOARD CEILING.
24	DEMOLISH AND REMOVE EXISTING EXIT LIGHT. REFER TO ELECTRICAL.
25	REMOVE AND RE-LOCATE EXISTING FIRE STROBE. REFER TO NEW WORK PLAN AND ELECTRICAL FOR NEW LOCATION.
26	REMOVAL AND RE-LOCATION OF EXISTING ACCESS CONTROL MODULES AND POWER SUPPLY BY OTHERS, N.I.C.
27	DEMOLISH AND REMOVE PORTION OF EXISTING GYPSUM WALL BOARD AS REQUIRED FOR NEW IN-WALL PLUMBING IN NEW WORK. REFER TO PLUMBING.
28	DEMOLISH AND REMOVE EXISTING RETURN GRILLE. REFER TO MECHANICAL.
29	DEMOLISH AND REMOVE EXISTING SUPPLY DIFFUSER. REFER TO MECHANICAL.
30	DEMOLISH AND REMOVE PORTION OF EXISTING GYPSUM WALL BOARD AS REQUIRED FOR NEW IN-WALL BLOCKING AND ELECTRICAL DEMOLITION. REFER TO NEW WORK PLAN AND ELECTRICAL.
31	REMOVAL AND RE-LOCATION OF EXISTING CARD READER BY OTHERS N.I.C.
32	EXISTING DIFFUSER TO REMAIN.
33	DEMOLISH AND REMOVE CONCRETE CURB AND STEEL ACCESS PANEL ON EXISTING FOOTING. PREP FOR NEW CONCRETE SIDEWALK IN NEW WORK.
34	DEMOLISH AND REMOVE EXISTING WATER HEATER AND ENCLOSURE. REFER TO PLUMBING.
35	EXISTING SIDE WALK TO REMAIN.
36	DEMOLISH AND REMOVE EXISTING BRICK PAVERS. INFILL WITH CONCRETE TO MEET ADA ACCESS REQUIREMENTS.
37	EXISTING BRICK PAVERS TO REMAIN.
38	DEMOLISH AND REMOVE EXISTING KN 29 DIFFUSERS.
39	CAREFULLY REMOVE EXISTING STEEL AWNING. KEEP IN CLEAN, SAFE LOCATION FOR RE-USE IN NEW WORK.

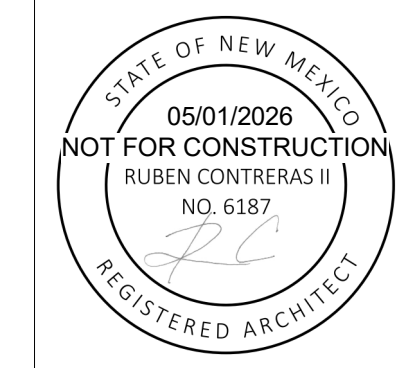
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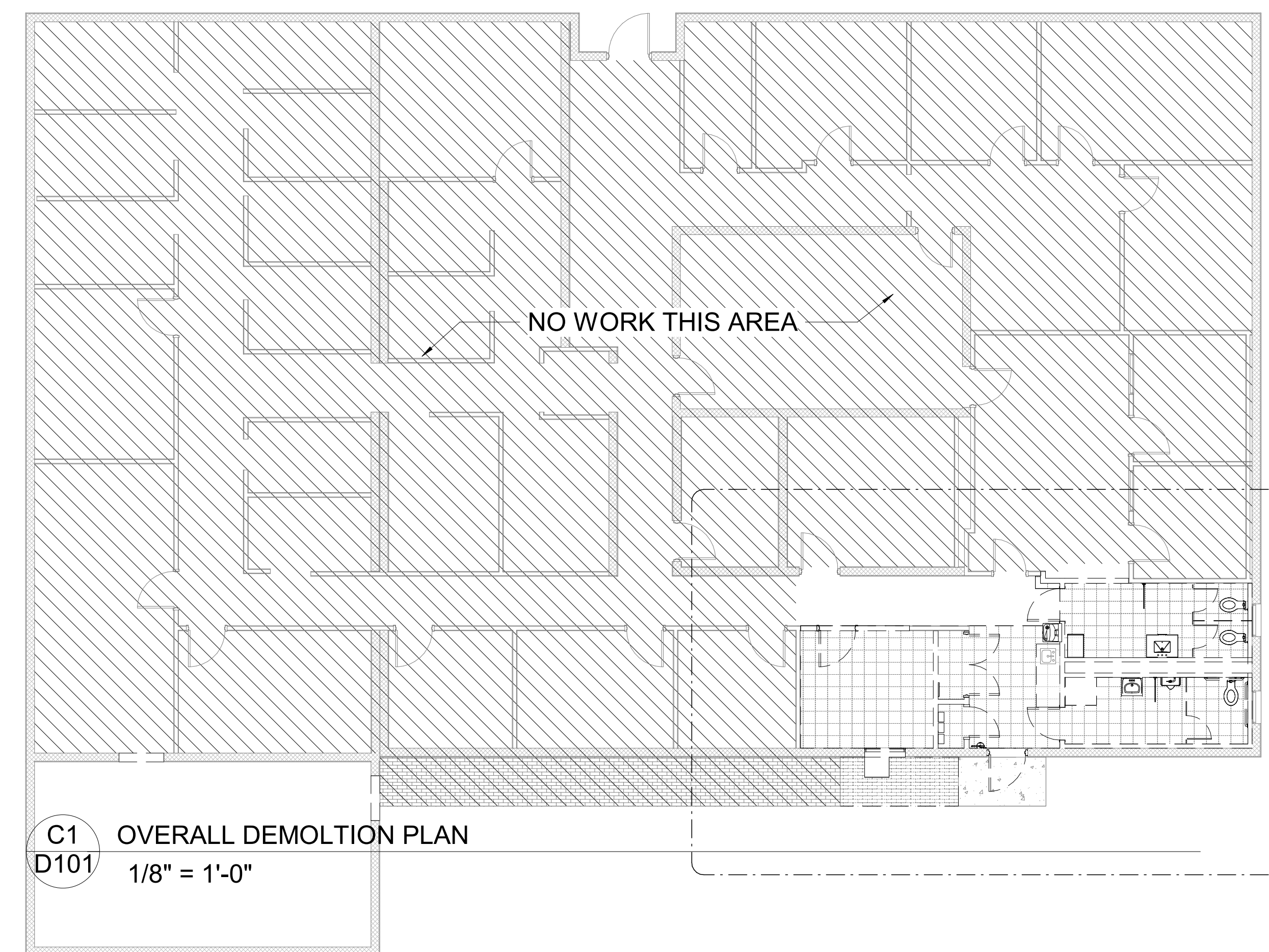


PROJECT NO. 206-137

SHEET TITLE  
DEMOLITION PLAN AND DEMOLITION REFLECTED CEILING PLAN

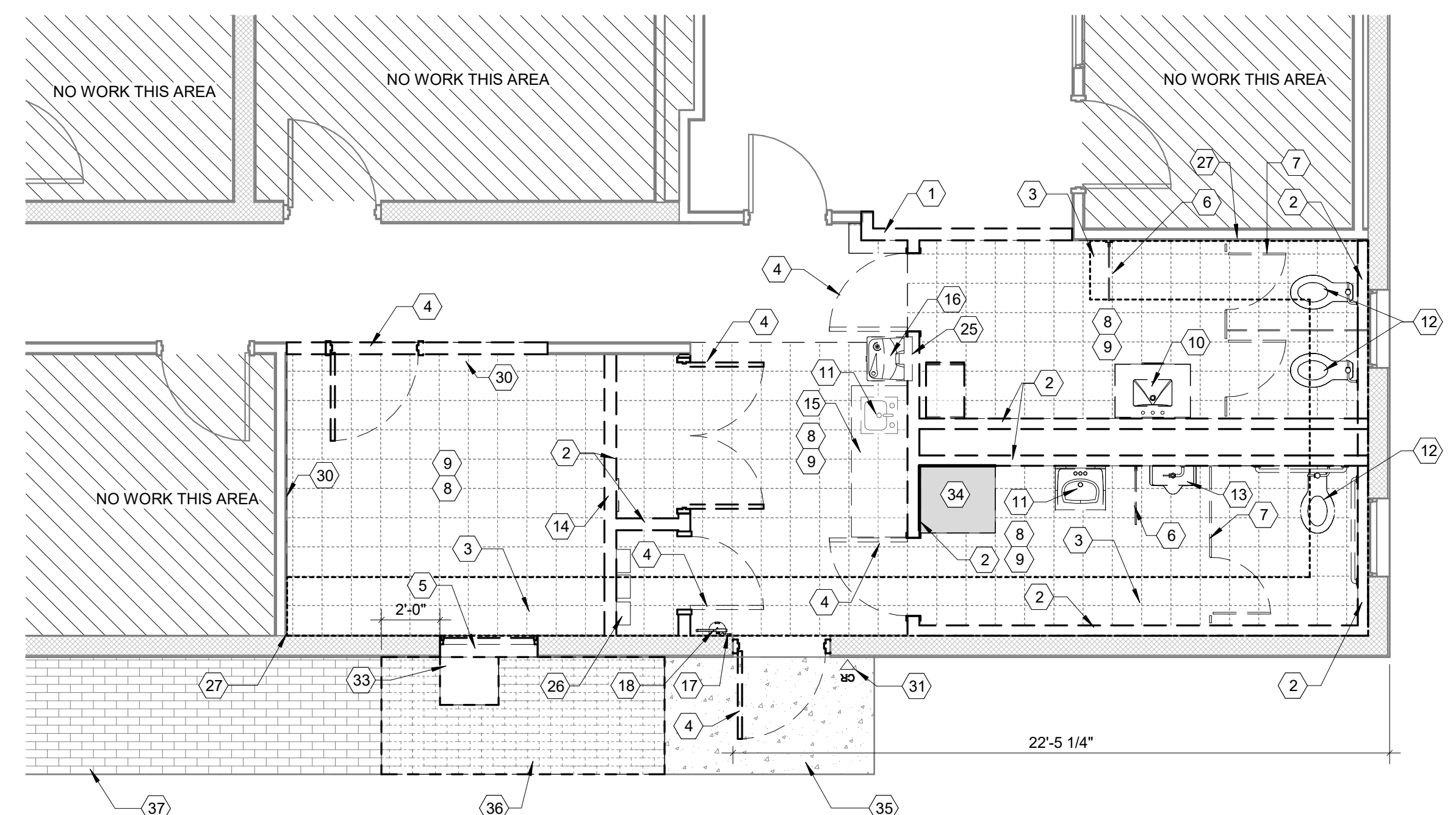
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**D101**

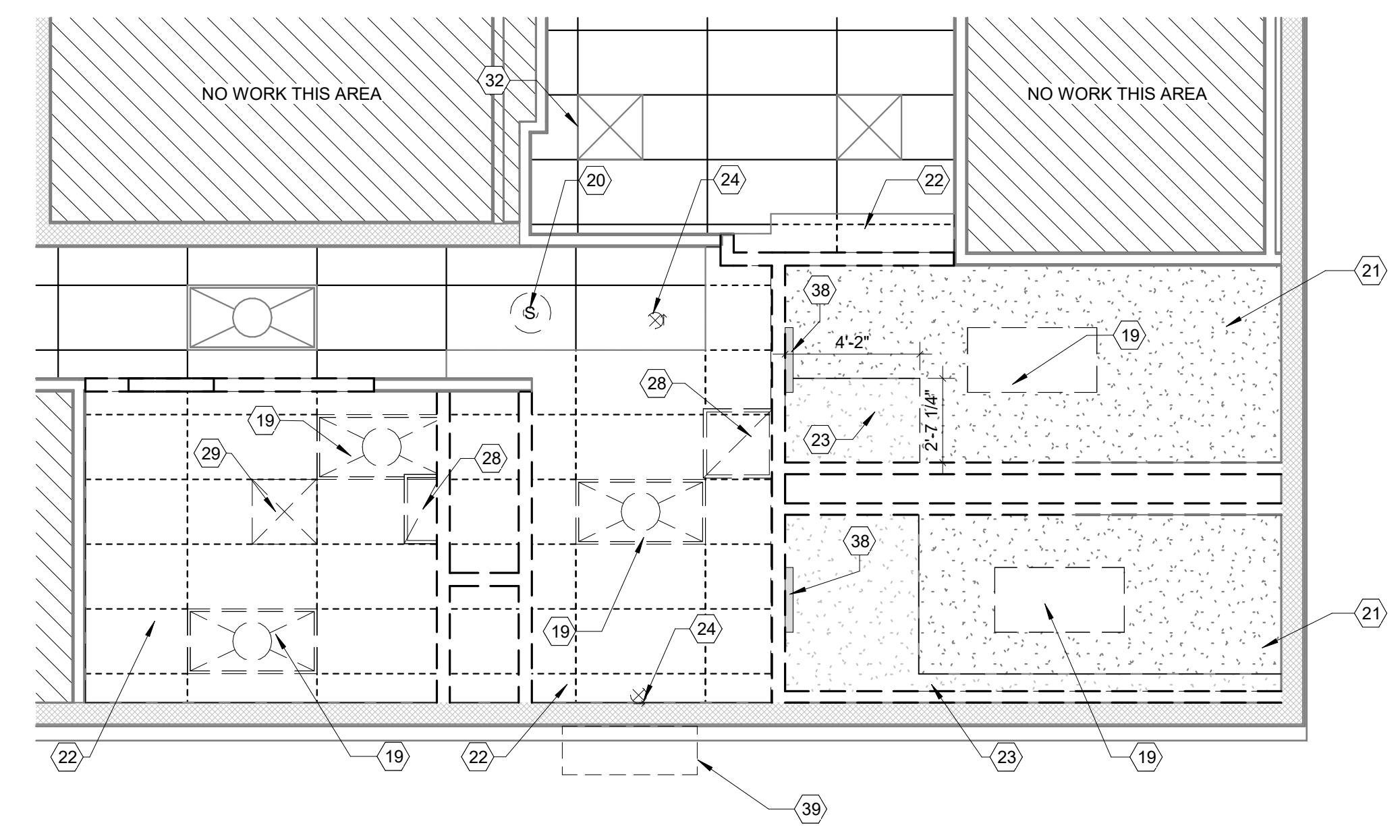


**C1 OVERALL DEMOLITION PLAN**  
1/8" = 1'-0"

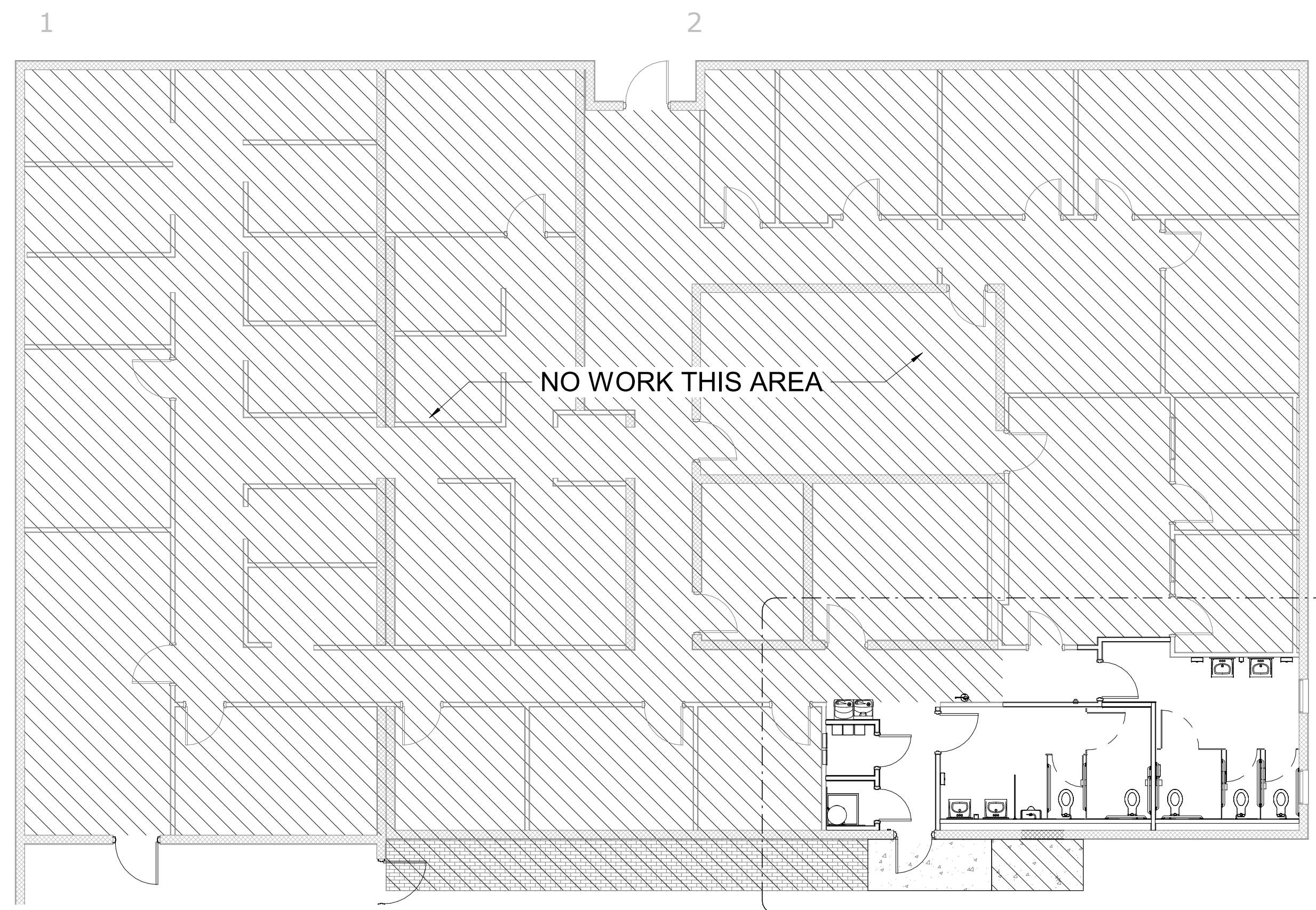
A1 D101



**A1 ENLARGED DEMOLITION PLAN**  
1/4" = 1'-0"



**A2 FIRST FLOOR REFLECTED CEILING PLAN**  
1/4" = 1'-0"



**D1** OVERALL FLOOR PLAN  
**A101** 1/8" = 1'-0"

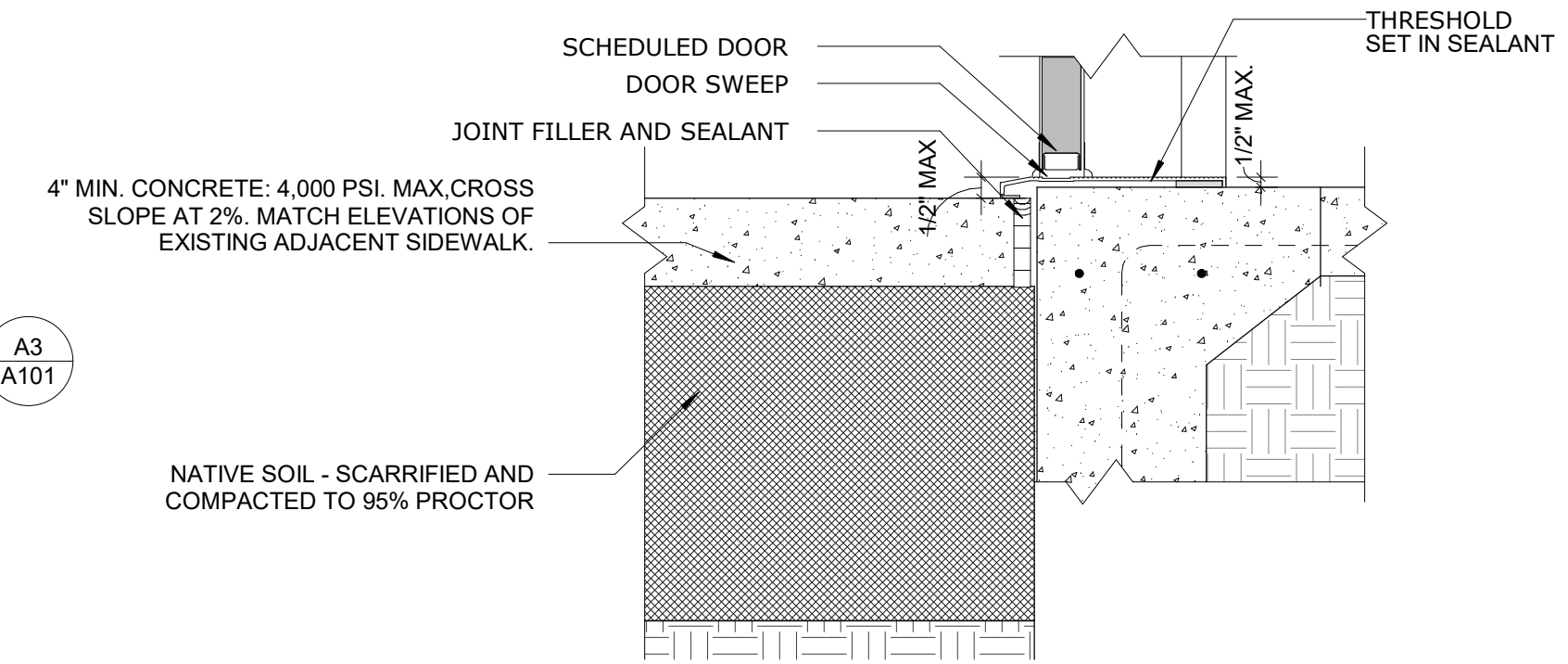
TOILET ACCESSORY SCHEDULE				
TYPE	NAME	MANUFACTURER	MODEL	COMMENTS
GB18	18" Vertical Grab Bar	BRADLEY CORPORATION	812 SERIES	CONTRACTOR FURNISHED AND INSTALLED
GB36	36" GRAB BAR	BRADLEY CORPORATION	812 SERIES	CONTRACTOR FURNISHED AND INSTALLED
GB42	42" GRAB BAR	BRADLEY CORPORATION	812 SERIES	CONTRACTOR FURNISHED AND INSTALLED
MI	24" X 36" MIRROR	BRADLEY CORPORATION	780 SERIES	CONTRACTOR FURNISHED AND INSTALLED
PT	PAPER TOWEL DISPENSER	-	-	OWNER FURNISHED, OWNER INSTALLED
SD	SOAP DISPENSER	-	-	OWNER FURNISHED, OWNER INSTALLED
SN	SANITARY NAPKIN DISPOSAL	-	-	OWNER FURNISHED, OWNER INSTALLED
TP	TOILET PAPER DISPENSER	-	-	OWNER FURNISHED, OWNER INSTALLED

**GENERAL NOTES - FLOOR PLAN**

- A. PROVIDE WOOD BLOCKING BETWEEN STUDS AT ALL WALL MOUNTED EQUIPMENT, BOARDS, GRAB BARS, CASEWORK, ETC.
- B. REFER TO WALL PARTITION TYPES FOR GENERAL PARTITION NOTES
- C. REFER TO REFLECTED CEILING PLAN SHEETS FOR CEILING-MOUNTED EQUIPMENT, CEILING TRANSITIONS AND DETAIL INFORMATION.
- D. REFER TO WINDOW TYPE LEGEND FOR WINDOW SIZES.
- E. REFER TO PLUMBING SHEETS FOR PLUMBING FIXTURE LOCATIONS AND SCHEDULES.
- F. SEAL ALL PENETRATIONS AT EXTERIOR WALLS WITH CLOSED CELL MEDIUM DENSITY FOAM INSULATION.
- G. ALL DIMENSIONS ARE TO FACE OF STUD OR MASONRY OR TO FACE OF EXISTING FINISHES TO REMAIN U.N.O. COLUMNS ARE TO CENTERLINE OF COLUMN. WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE OF OPENING IN STUD WALLS.
- H. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS WITH FIRE STOPPING THAT MEETS OR EXCEEDS THE FIRE RATING OF THE WALLS.

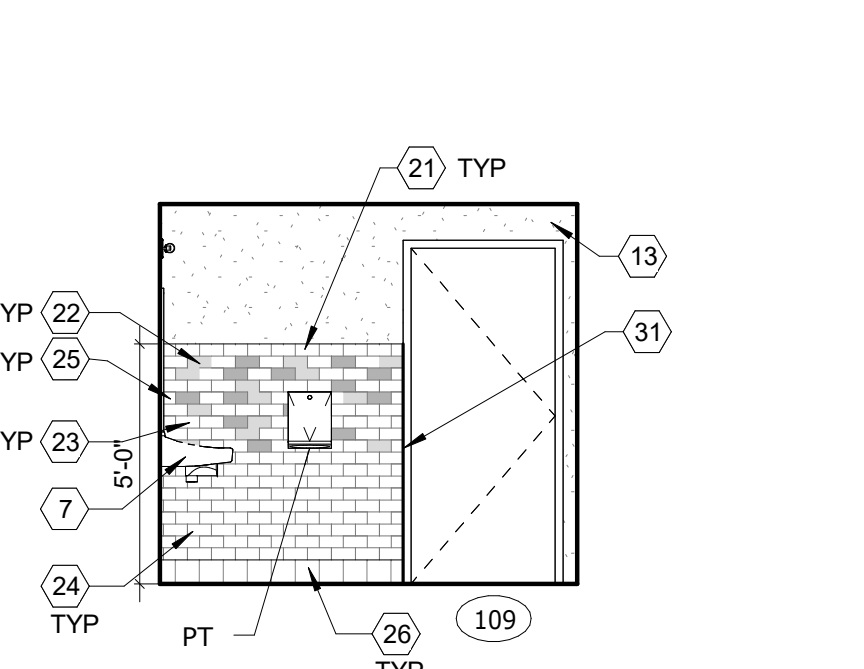
**KEYNOTE LEGEND**

- 1 DOOR SWEEP
- 2 THRESHOLD
- 3 SCHEDULED DOOR
- 4 JOINT FILLER AND SEALANT
- 5 RE-LOCATED ACCESS CONTROL PANELS AND POWER SUPPLY BY OTHERS. PROVIDE CONDUIT / RACEWAYS AS REQUIRED. REFER TO ELECTRICAL.
- 6 ELECTRICAL PANEL - REFER TO ELECTRICAL
- 7 OWNER PROVIDED, CONTRACTOR INSTALLED SINK - PROVIDE ADA PIPE GUARD AT ALL EXPOSED PIPING - REFER TO PLUMBING
- 8 OWNER PROVIDED, CONTRACTOR INSTALLED URINAL - REFER TO PLUMBING
- 9 INFILL EXISTING OPENING WITH NEW CONCRETE MASONRY UNITS TO MATCH EXISTING. FINISH EXTERIOR TO MATCH EXISTING.
- 10 OWNER FURNISHED, CONTRACTOR INSTALLED WATER CLOSET - REFER TO PLUMBING
- 11 LIGHT FIXTURE - REFER TO ELECTRICAL
- 12 EXISTING GYPSUM WALL BOARD TO REMAIN. PATCH / REPAIR AS REQUIRED. PAINT ALL EXPOSED.
- 13 GYPSUM BOARD, 5/8", TAPE, BED, TEXTURE AND PAINT.
- 14 EXISTING WINDOW TO REMAIN. PREP AND PAINT WINDOW SILL.
- 15 EXISTING CONCRETE MASONRY UNIT WALL TO REMAIN. PATCH / REPAIR AS REQUIRED. PREP AND PAINT ALL EXPOSED.
- 16 MOP SINK - REFER TO PLUMBING
- 17 TOILET COMPARTMENT - REFERENCE ALTERNATE SCHEDULE ON SHEET A650
- 18 RE-INSTALL EXISTING FIRE ALARM MANUAL PULL STATION IN NEW LOCATION. REFER TO ELECTRICAL.
- 19 RE-INSTALL EXISTING FIRE ALARM STROBE IN NEW LOCATION. REFER TO ELECTRICAL.
- 20 NEW CARD READER IN THIS LOCATION. REFER TO ELECTRICAL
- 21 BULL NOSED (1 SIDE) CERAMIC WALL TILE, ACCENT COLOR #1. BASIS OF DESIGN: DALTILE COLOR WHEEL LINEAR COLLECTION. COLOR: K711 BLACK MATTE
- 22 3" X 6" POLISHED CERAMIC WALL TILE, ACCENT COLOR #2. BASIS OF DESIGN: DALTILE COLOR WHEEL LINEAR COLLECTION. COLOR: 0182 SUEDE GRAY
- 23 3" X 6" POLISHED CERAMIC WALL TILE, FIELD COLOR #3. BASIS OF DESIGN: DALTILE COLOR WHEEL LINEAR COLLECTION. COLOR: 1467 SPA
- 24 3" X 6" POLISHED CERAMIC WALL TILE, FIELD COLOR #1. BASIS OF DESIGN: DALTILE COLOR WHEEL LINEAR COLLECTION. COLOR: K175 BUSCUIT
- 25 3" X 6" MATTE CERAMIC WALL TILE, ACCENT COLOR #1. BASIS OF DESIGN: DALTILE COLOR WHEEL LINEAR COLLECTION. COLOR: K711 BLACK MATTE
- 26 6" X 6" POLISHED CERAMIC COVE TILE BASE, FIELD COLOR #1. BASIS OF DESIGN: DALTILE COLOR WHEEL LINEAR COLLECTION. COLOR: K175 BISCUIT
- 27 RELOCATED FIRE EXTINGUISHER ON WALL BRACKET
- 28 EXISTING GYPSUM WALL BOARD TO REMAIN. PATCH/REPAIR. TAPE AND TEXTURE REPAIRED PORTIONS TO MATCH EXISTING. PAINT.
- 29 WATER HEATER SUSPENDED OVER MOP SINK. REFER TO PLUMBING.
- 30 4,000 PSI MIN. MAX CROSS SLOPE AT 2%. MATCH ELEVATIONS OF EXISTING ADJACENT SIDEWALK. REFER TO DETAIL THIS SHEET.
- 31 TERMINATION SCHLUTER STRIP AS SCHEDULED
- 32 RE-INSTALL EXISTING STEEL AWNING ABOVE NEW DOOR
- 33 EXISTING PAVERS TO REMAIN
- 34 BI-LEVEL DRINKING FOUNTAIN WITH INTEGRAL BOTTLE FILLING STATION - REFER TO PLUMBING

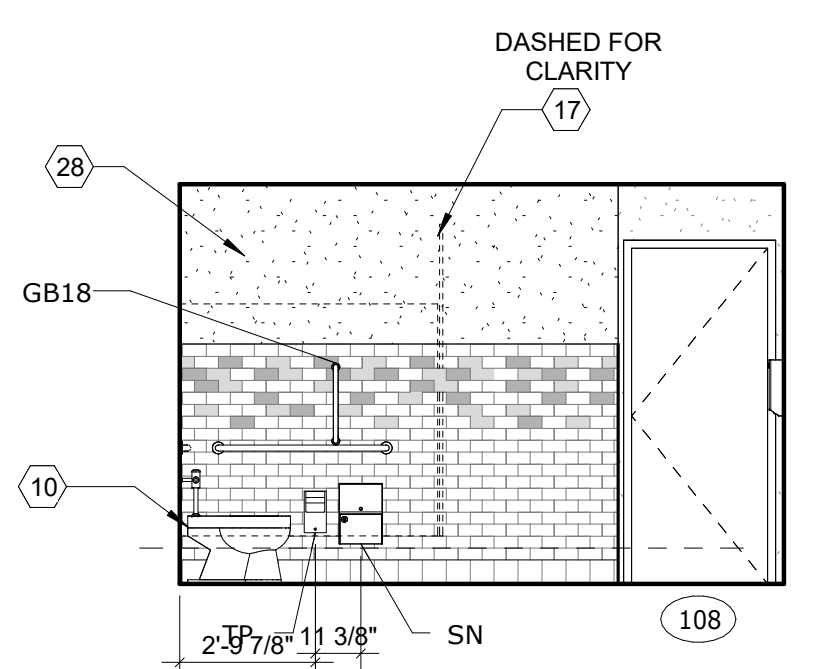


**D3** SIDEWALK DETAIL  
**A101** 1 1/2" = 1'-0"

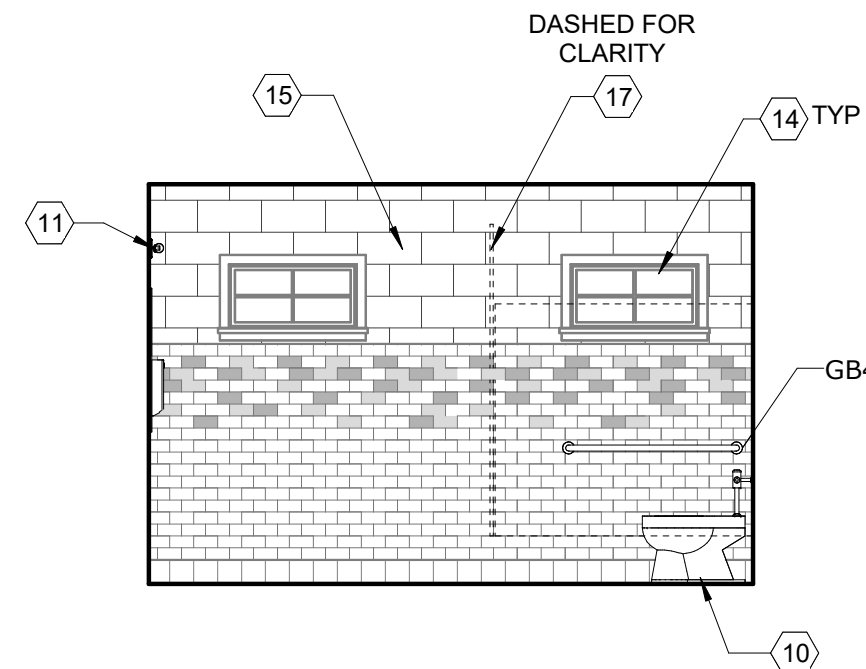
NOTE: TYPICAL KEYNOTE FOR ALL RESTROOM TILE



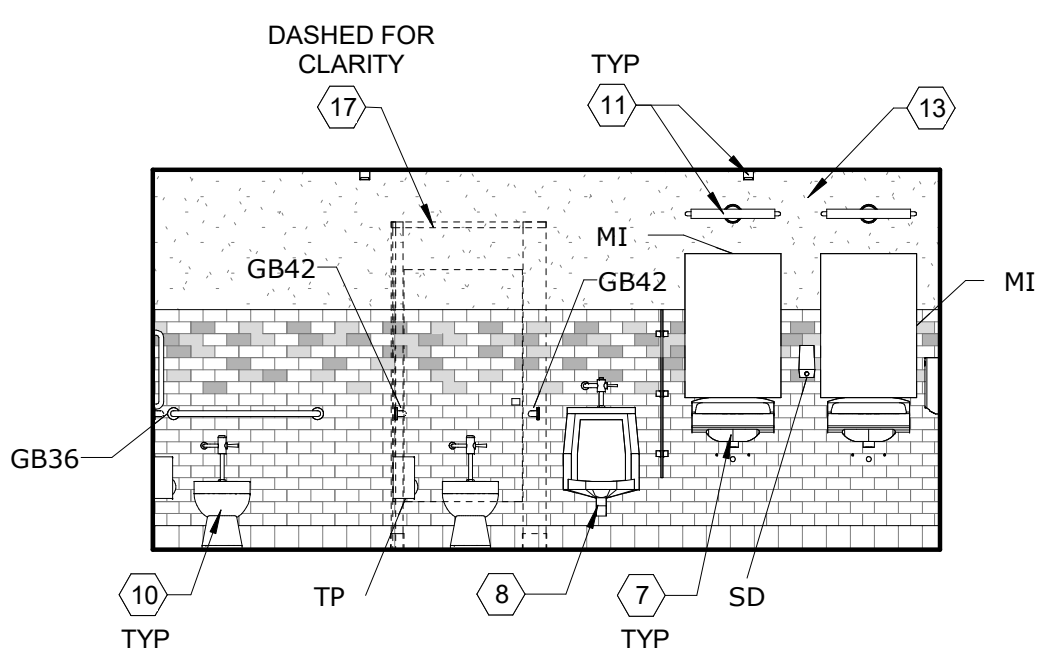
**C1** MEN'S RESTROOM LOOKING WEST  
**A101** 1/4" = 1'-0"



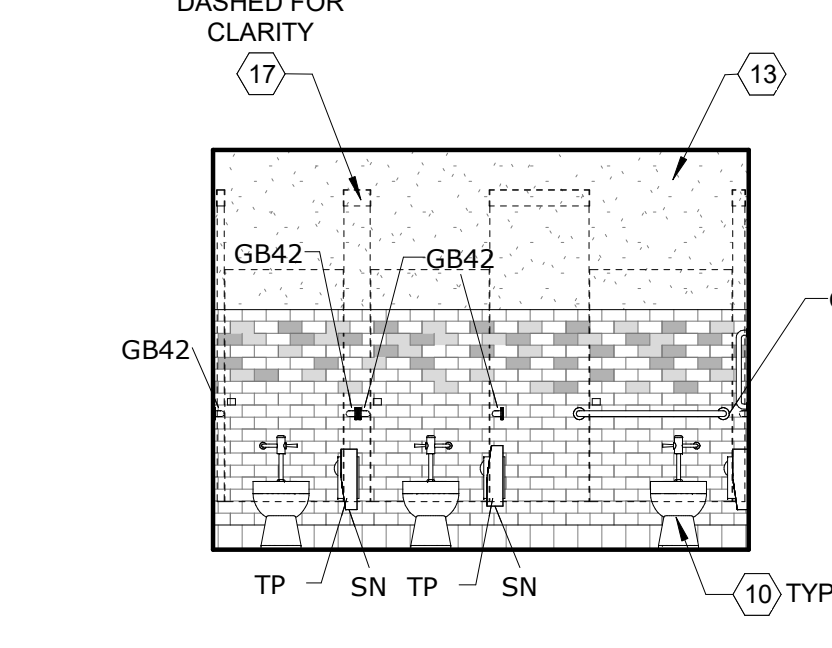
**C2** WOMEN'S RESTROOM LOOKING WEST  
**A101** 1/4" = 1'-0"



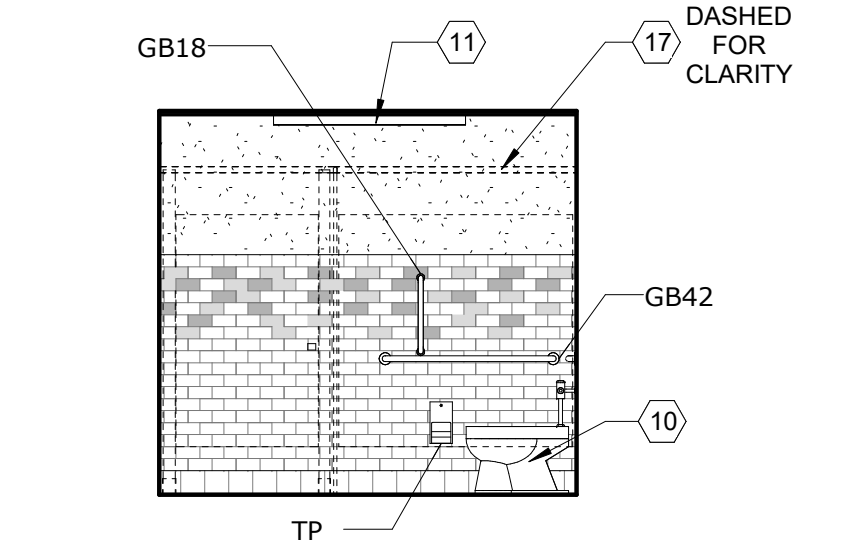
**C3** WOMEN'S RESTROOM LOOKING EAST  
**A101** 1/4" = 1'-0"



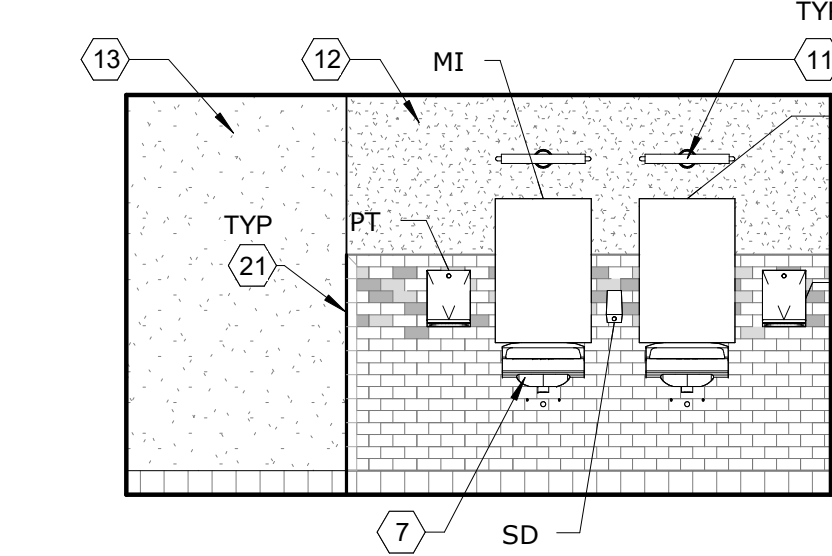
**B1** MEN'S RESTROOM LOOKING SOUTH  
**A101** 1/4" = 1'-0"



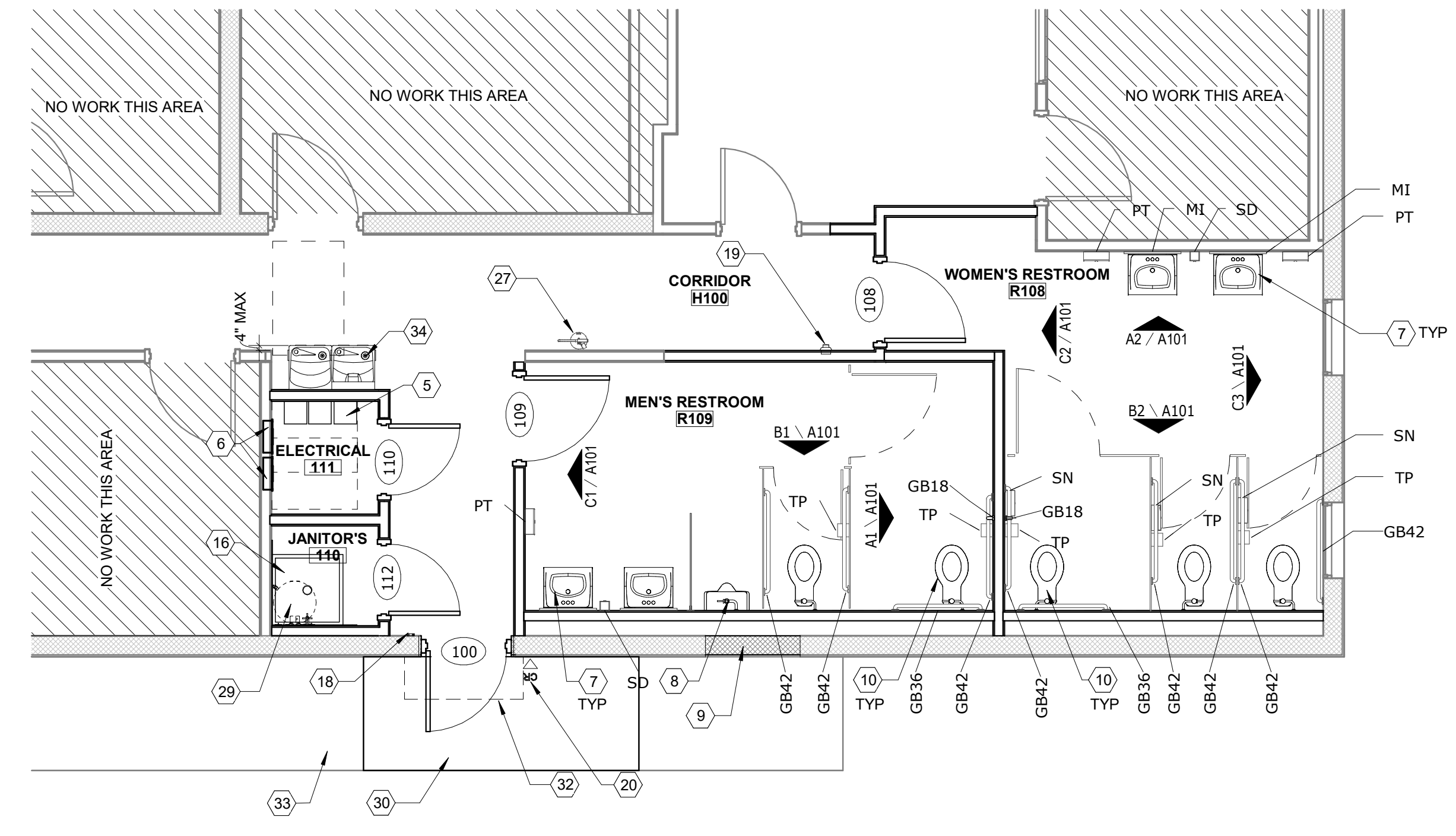
**B2** WOMEN'S RESTROOM LOOKING SOUTH  
**A101** 1/4" = 1'-0"



**A1** MEN'S RESTROOM LOOKING EAST  
**A101** 1/4" = 1'-0"



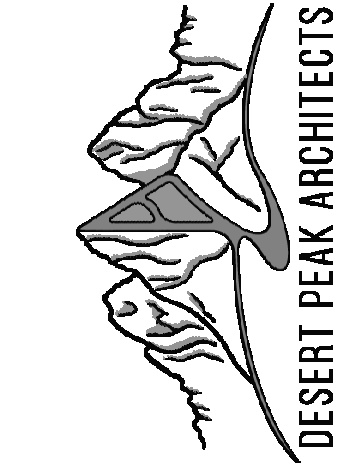
**A2** WOMEN'S RESTROOM LOOKING NORTH  
**A101** 1/4" = 1'-0"



**A3** ENLARGED FLOOR PLAN  
**A101** 1/4" = 1'-0"

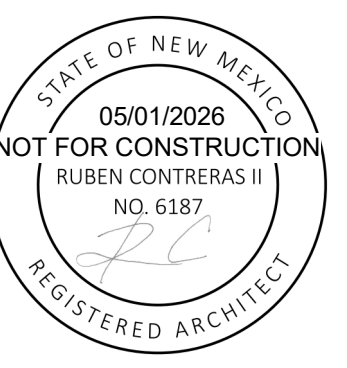
**NMSU FS RESTROOMS RENOVATIONS**  
 1530 Wells St, Las Cruces, NM 88003

Mark	Date	Description
ISSUE:	05/01/2026	95% CONSTRUCTION DOCUMENTS



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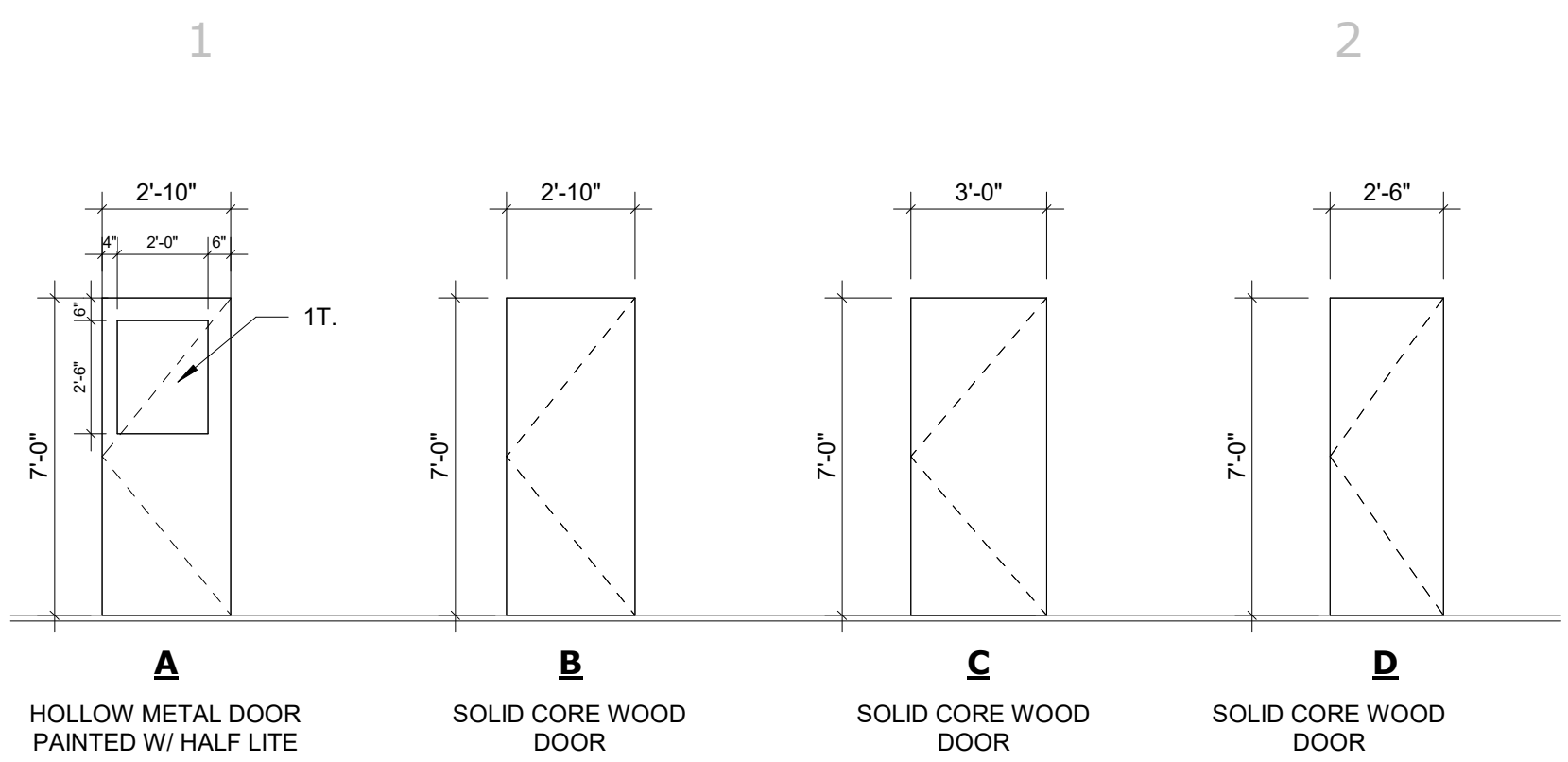


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206-137

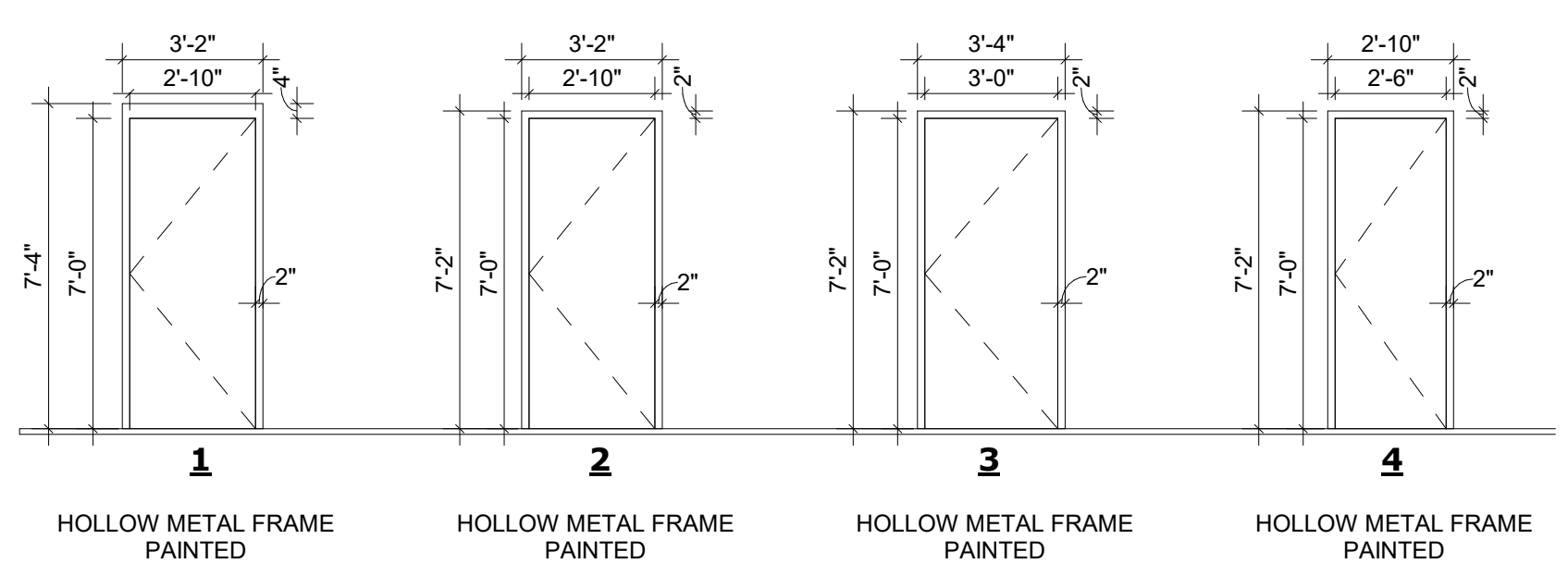
SHEET TITLE  
FLOOR PLANS AND INTERIOR ELEVATIONS

SHEET NO.

**A101**



**DOOR TYPES**  
1/4" = 1'-0"



**HM FRAME TYPES**  
1/4" = 1'-0"

**GENERAL NOTES - FLOOR PLAN**

- A. PROVIDE WOOD BLOCKING BETWEEN STUDS AT ALL WALL MOUNTED EQUIPMENT, BOARDS, GRAB BARS, CASEWORK, ETC.
- B. REFER TO WALL PARTITION TYPES FOR GENERAL PARTITION NOTES
- C. REFER TO REFLECTED CEILING PLAN SHEETS FOR CEILING-MOUNTED EQUIPMENT, CEILING TRANSITIONS AND DETAIL INFORMATION.
- D. REFER TO WINDOW TYPE LEGEND FOR WINDOW SIZES
- E. REFER TO PLUMBING SHEETS FOR PLUMBING FIXTURE LOCATIONS AND SCHEDULES.
- F. SEAL ALL PENETRATIONS AT EXTERIOR WALLS WITH CLOSED CELL MEDIUM DENSITY FOAM INSULATION.
- G. ALL DIMENSIONS ARE TO FACE OF STUD OR MASONRY OR TO FACE OF EXISTING FINISHES TO REMAIN U.N.O. COLUMNS ARE TO CENTERLINE OF COLUMN, WINDOW AND DOOR DIMENSIONS ARE TO CENTERLINE OF OPENING IN STUD WALLS.
- H. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS WITH FIRE STOPPING THAT MEETS OR EXCEEDS THE FIRE RATING OF THE WALLS.

**ABBREVIATION LEGEND**

HM:	HOLLOW METAL
ALUM:	ALUMINUM
SC WD:	SOLID CORE WOOD DOOR
1T:	1" INSULATED AND TEMPERED GLAZING

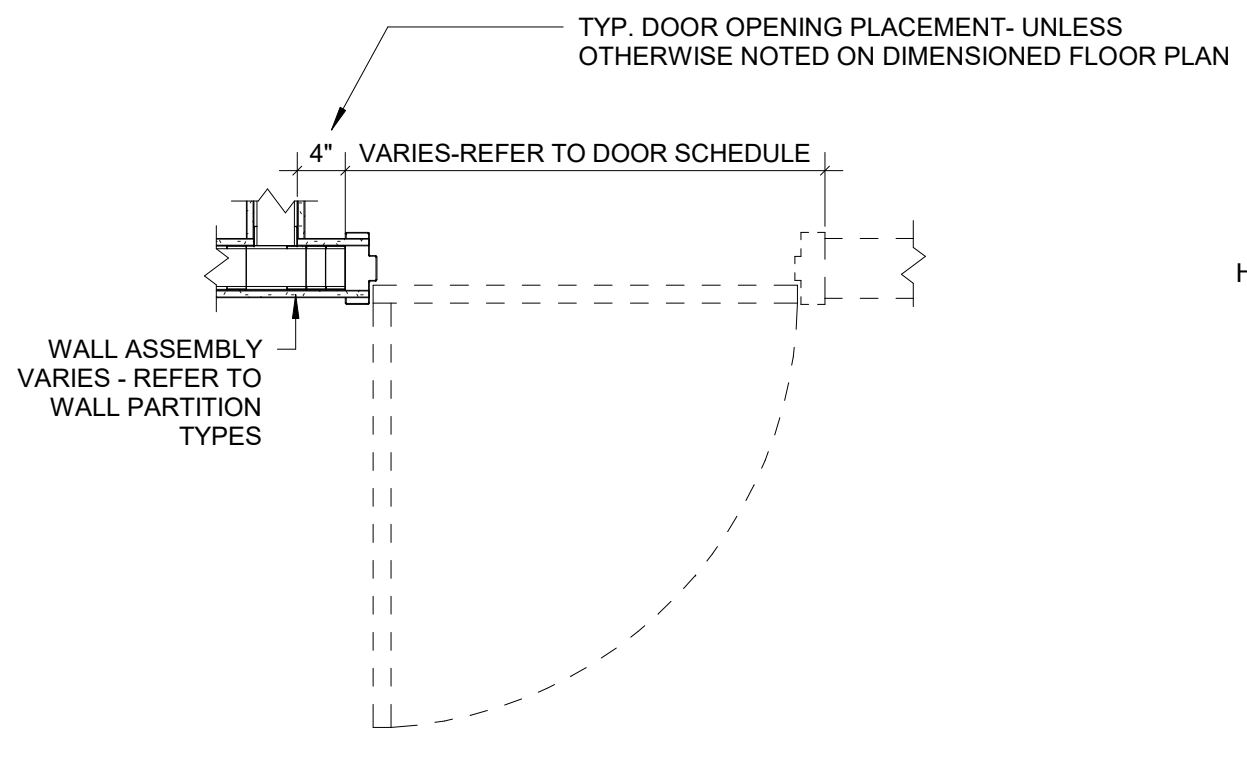
**DOOR AND FRAME SCHEDULE**

MARK	DOOR				FRAME		HDW SET	MISC	COMMENTS	
	WIDTH	HT	THK	ELEV	MATL	GLZ				
100	2'-10"	7'-0"	1 3/4"	A	HM	1T	1	HM	1	PANIC HARDWARE, ACCESS CONTROL (BY OTHERS) REFER TO ELECTRICAL
108	2'-10"	7'-0"	1 3/4"	B	SC WD	-	2	HM	2	
109	3'-0"	7'-0"	1 3/4"	C	SC WD	-	3	HM	2	
110	2'-6"	7'-0"	1 3/4"	D	SC WD	-	4	HM	3	STOREROOM LOCKSET
112	2'-6"	7'-0"	1 3/4"	D	SC WD	-	4	HM	4	STOREROOM LOCKSET

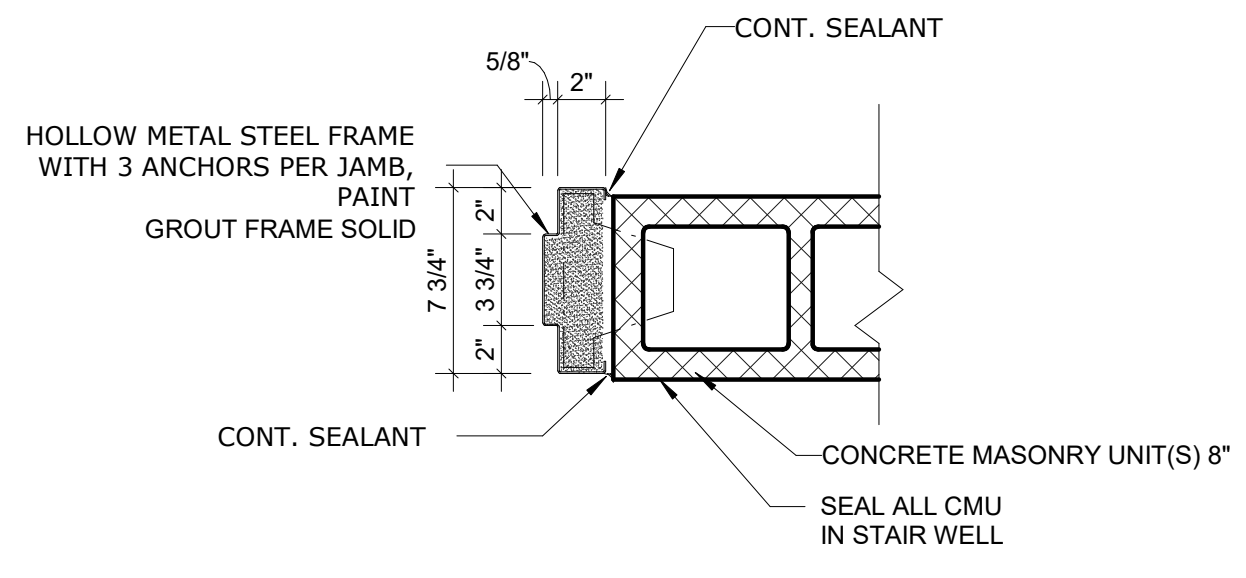
**GLAZING SCHEDULE**

1T. LOW-E-COATED, 1" TEMPERED INSULATED GLASS EXTERIOR - TINTED

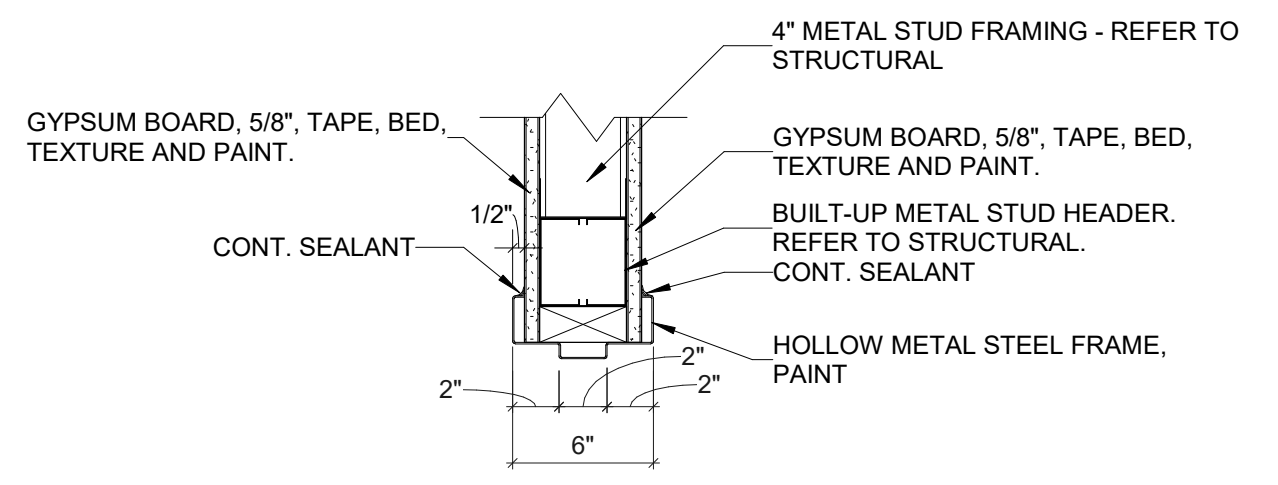
NOTE: ALL EXTERIOR FENESTRATION TO COMPLY WITH NEW MEXICO ENERGY CONSERVATION CODE.



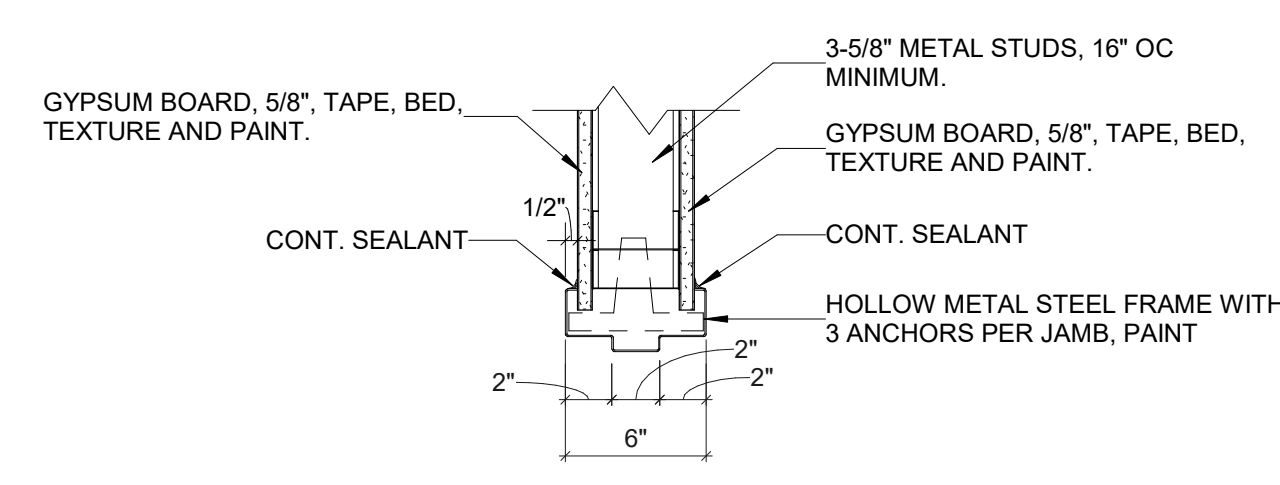
**C3** TYP DOOR PLACEMENT DETAIL  
**A600** 3/4" = 1'-0"



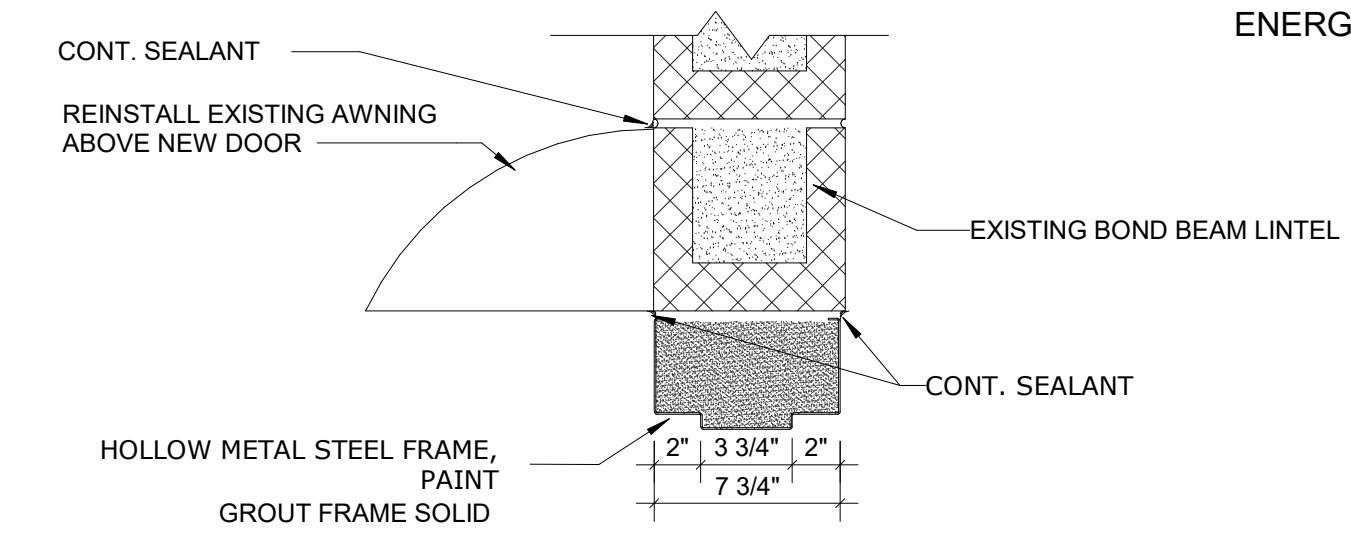
**C4** HM DOOR JAMB  
**A600** 1 1/2" = 1'-0"



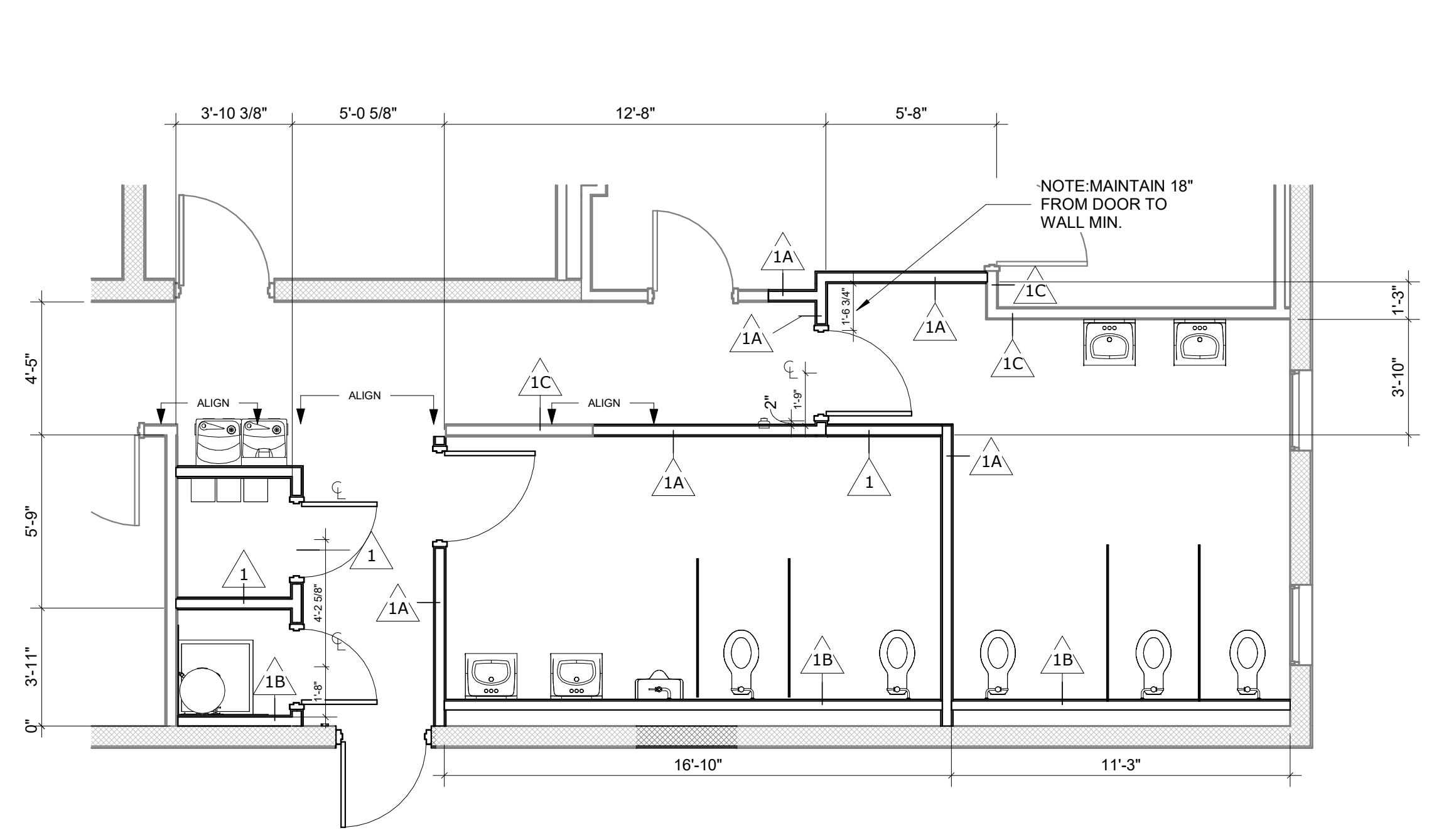
**B1** HM HEAD DETAIL - INTERIOR  
**A600** 1 1/2" = 1'-0"



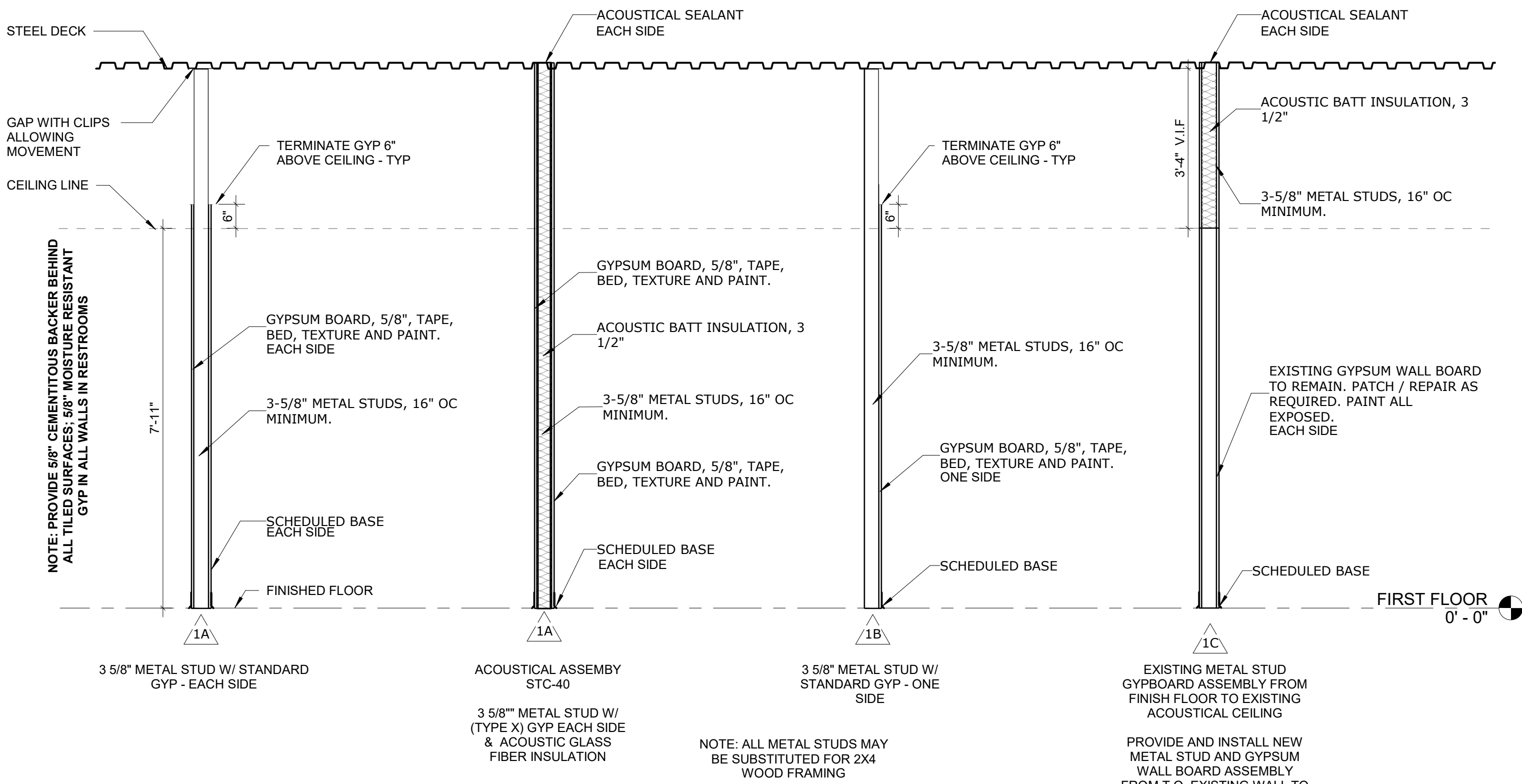
**B2** HM JAMB DETAIL - INTERIOR 3 5/8"  
**A600** 1 1/2" = 1'-0"



**B4** HM DOOR HEAD CMU EXTERIOR  
**A600** 1 1/2" = 1'-0"



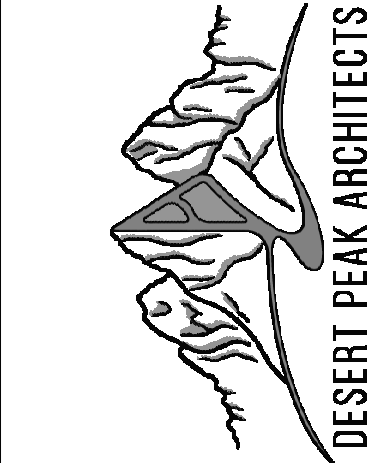
**A1** FIRST FLOOR DIMENSIONED PLAN  
**A600** 1/4" = 1'-0"



**A3** WALL PARTITION TYPES  
**A600** 1/2" = 1'-0"

**NMSU FS RESTROOMS RENOVATIONS**  
 1530 Wells St, Las Cruces, NM 88003

Mark	Description	Date	Issue
		05/01/2026	



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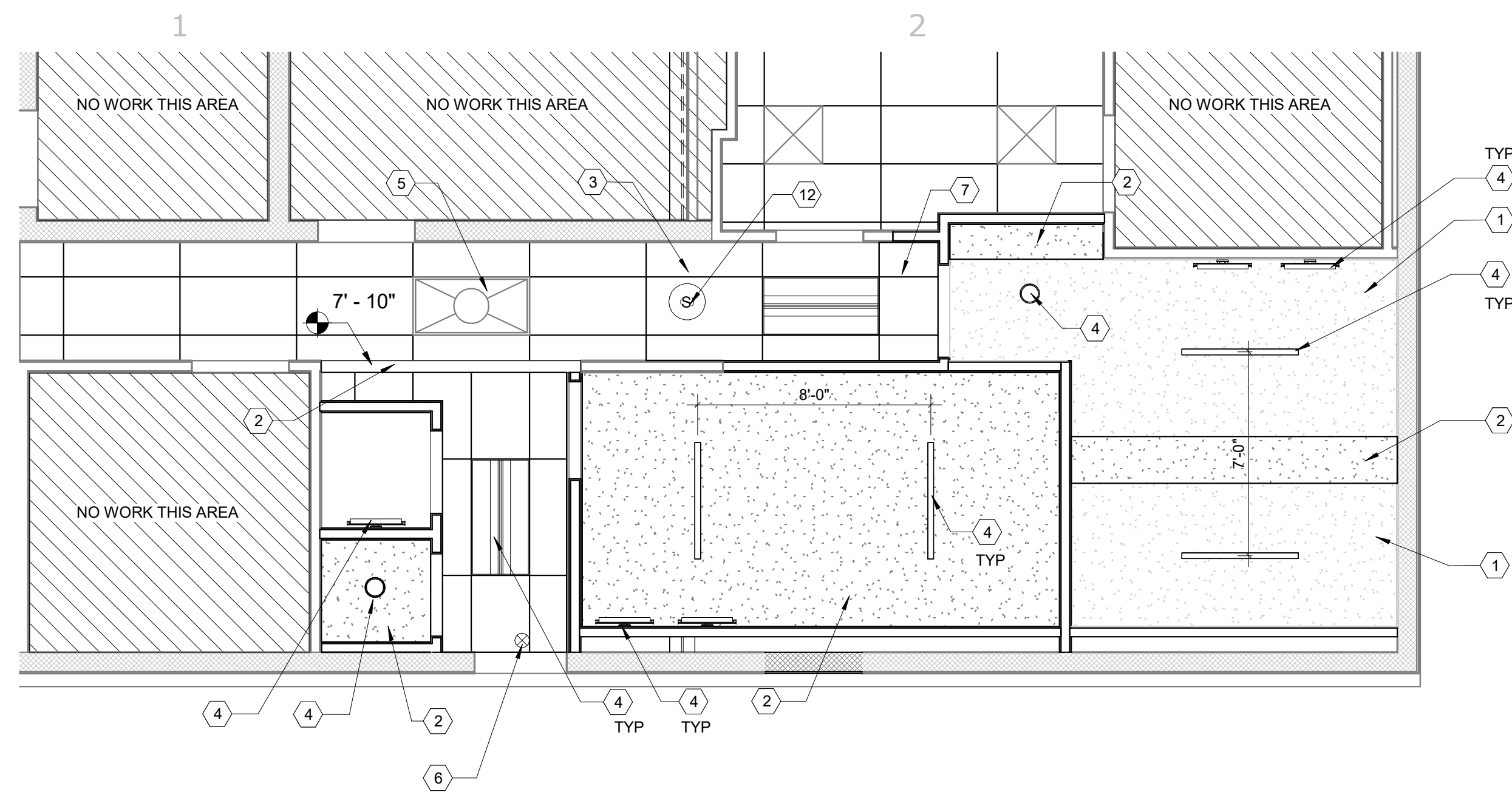


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206-137

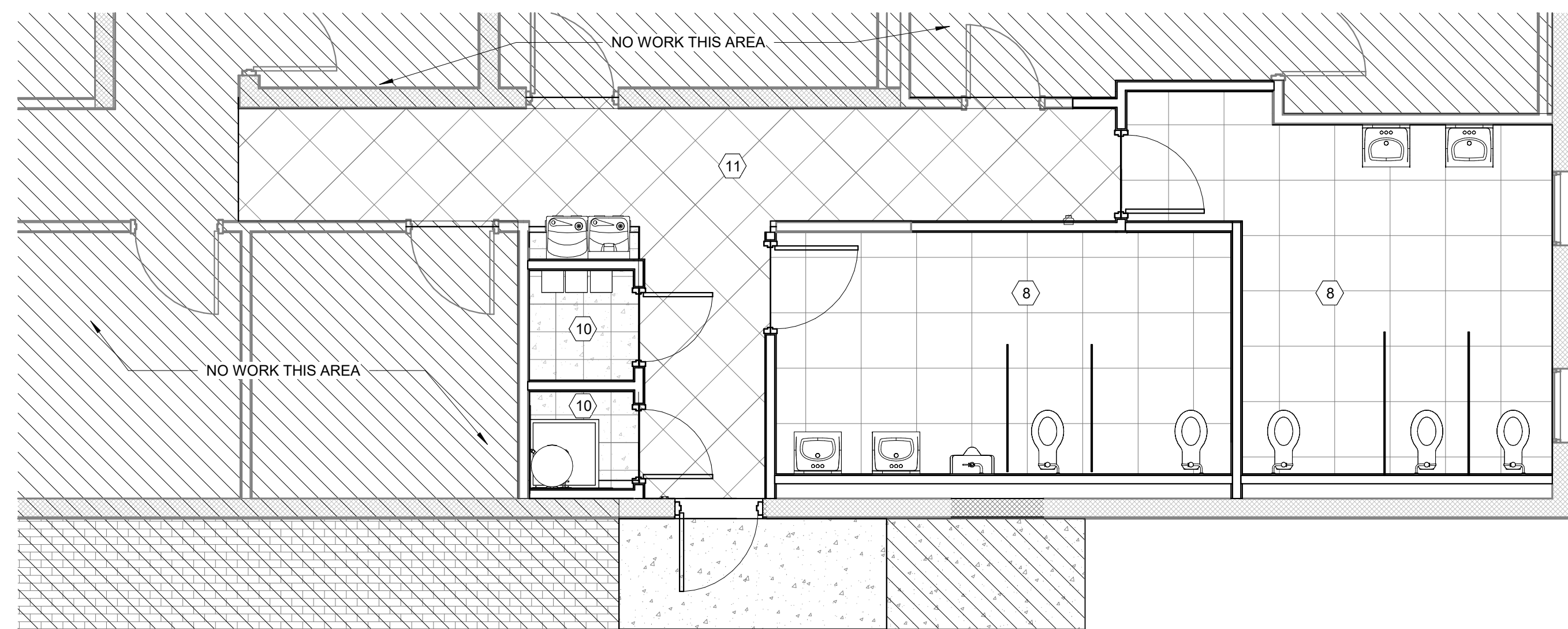
SHEET TITLE  
DIMENSION PLAN, WALL PARTITION TYPES, DOOR SCHEDULE AND DETAILS

SHEET NO.

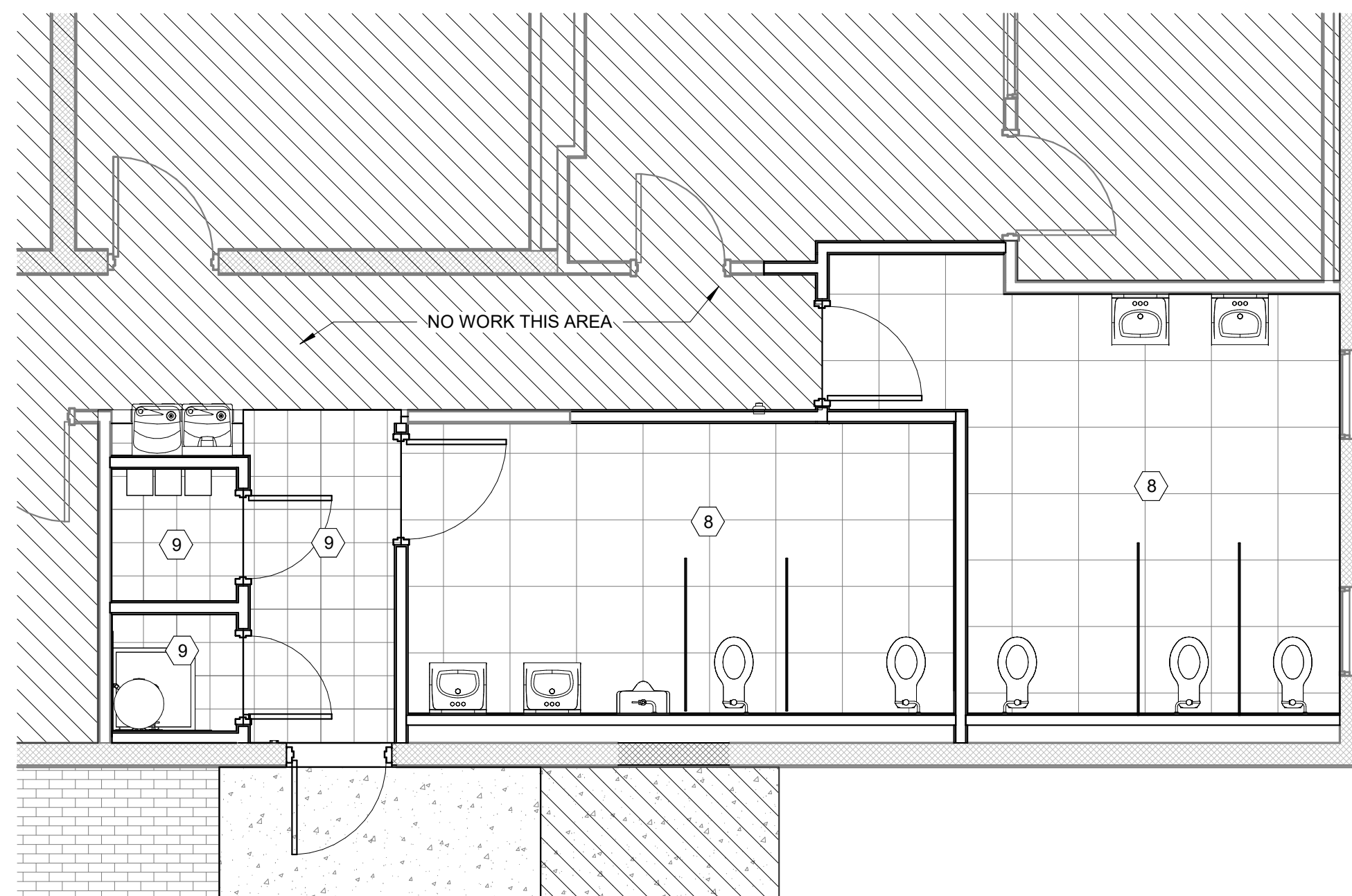
**A600**



**D1 REFLECTED CEILING PLAN**  
**A650** 1/4" = 1'-0"



**B1 FLOOR FINISH PLAN - FIRST FLOOR ALT 1**  
**A650** 1/4" = 1'-0"



**A1 FLOOR FINISH PLAN - FIRST FLOOR**  
**A650** 1/4" = 1'-0"

**GENERAL NOTES - FLOOR FINISH PLAN**

- A. COORDINATE EXACT FLOORING LAYOUT PATTERNS AND MATERIALS WITH THE ARCHITECT PRIOR TO COMPLETING ANY FLOORING WORK.
- B. CONTRACTOR TO PROVIDE TRANSITIONS AT ALL INTERSECTIONS BETWEEN DISSIMILAR MATERIALS WHERE NECESSARY. COORDINATE THESE LOCATIONS WITH THE ARCHITECT PRIOR TO COMPLETING ANY FLOORING WORK.
- C. REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION ON THE ACCEPTABLE FLOORING PRODUCTS AND APPLICATIONS.
- D. INSTALL FLOOR FINISHES PER MANUFACTURER'S RECOMMENDATIONS. PREPARATION OF SUBSTRATES FOR PROPER INSTALLATION OF FINISHES, AS RECOMMENDED BY THE MANUFACTURER, SHALL BE CONSIDERED INCIDENTAL TO THE WORK. THIS INCLUDES TESTING OF SUBSTRATES AS REQUIRED.

**KEYNOTE LEGEND**

1	EXISTING GYPSUM BOARD CEILING TO REMAIN. PATCH / REPAIR AS REQUIRED BY NEW WORK. FLOAT ENTIRE CEILING AND APPLY NEW TEXTURE FOR A UNIFORM APPEARANCE. PRIME AND PAINT.
2	GYPSUM BOARD, 5/8", TAPE, BED, TEXTURE AND PAINT.
3	EXISTING ACOUSTICAL TILE CEILING TO REMAIN.
4	LIGHT FIXTURE - REFER TO ELECTRICAL
5	EXISTING LIGHT FIXTURE TO REMAIN.
6	NEW EXIST LIGHT - REFER TO ELECTRICAL
7	PROVIDE AND INSTALL NEW SUSPENDED TILE CEILING TO MATCH EXISTING, 2' X 4'.
8	MATTE PORCELAIN FLOOR TILE, TYPE PT-1, BASIS OF DESIGN: DAL TILE COLOR COHESION COLLECTION. COLOR: CO27 BLACK
9	VCT RESILIENT TILE FLOORING
10	CONCRETE SEALER
11	ALTERNATE #1 NEW CARPET TILE IN THIS AREA TO MATCH EXISTING
12	RE-INSTALL EXISTING SMOKE DETECTOR IN NEW LOCATION.

**ALTERNATE SCHEDULE**

**ALTERNATE NO.1: CARPET TILE WITHIN CORRIDOR H100**

BASE BID:  
 INSTALL OWNER FURNISHED, CONTRACTOR INSTALLED VCT TILE WITHIN PORTION OF CORRIDOR H100 AS INDICATED ON THE FLOOR FINISH PLAN.

- ALTERNATE:  
 A. DEMOLISH AND REMOVE ALL REMAINING EXISTING VCT WITHIN CORRIDOR H100.  
 B. PROVIDE AND INSTALL NEW CARPET TILE WITHIN CORRIDOR H100 TO MATCH EXISTING CORRIDOR CARPET.

**ALTERNATE NO. 2: TOILET PARTITION TYPE**

BASE BID:  
 PROVIDE AND INSTALL NEW POWDER COATED STEEL, OVERHEAD BRACED TOILET PARTITIONS AND POWDER COATED STEEL URINAL SCREEN.

- ALTERNATE:  
 A. PROVIDE AND INSTALL NEW PHENOLIC, OVERHEAD BRACED TOILET PARTITIONS AND PHENOLIC URINAL SCREEN.

**ROOM FINISH LEGEND**

**FLOOR FINISH**

- PT-1: PORCELAIN FLOOR TILE - BASIS OF DESIGN; DAL TILE. COLOR ATTACHE COLLECTION. DELEGATE - BLACK DL28, 24" X 24"
- VCT-1: VINYL COMPOSITION TILE - TO MATCH EXISTING
- SC-1: SEALED CONCRETE
- CT-1: CARPET TILE 1. BASIS OF DESIGN; INTERFACE, OPEN AIR 404 TRANSITION, NICKELU PEARL

\*NOTE: PROVIDE TRANSITION STRIPS AT JOINTS BETWEEN DISSIMILAR MATERIALS.

**CEILING FINISH**

- A24: 2' X 4' ACOUSTICAL TILE CEILING TO MATCH EXISTING
- P: GYPSUM CEILING BOARD, TEXTURE TO MATCH EXISTING. PRIME AND PAINT.
- O: OPEN STRUCTURE - EXPOSED METAL UNPAINTED

**WALL FINISH**

- P-1: GYPSUM WALL BOARD, TEXTURE TO MATCH EXISTING. PRIME AND PAINT.
- CT-1: POLISHED CERAMIC WALL TILE - (FIELD)- BASIS OF DESIGN; DAL TILE. COLOR WHEEL COLLECTION, CLASSIC - BISCUIT K175, 3" X 6" WALL TILE. REFERENCE INTERIOR ELEVATIONS FOR PATTERN.
- CT-2: POLISHED CERAMIC WALL TILE - (ACCENT)- BASIS OF DESIGN; DAL TILE. COLOR WHEEL COLLECTION, CLASSIC - BLACK K111, 3" X 6" WALL TILE. REFERENCE INTERIOR ELEVATIONS FOR PATTERN
- CT-3: POLISHED CERAMIC WALL TILE - (ACCENT)- BASIS OF DESIGN; DAL TILE. COLOR WHEEL COLLECTION, CLASSIC - SUEDE GRAY 0182, 3" X 6" WALL TILE. REFERENCE INTERIOR ELEVATIONS FOR PATTERN
- CT-4: POLISHED CERAMIC WALL TILE - (ACCENT)- BASIS OF DESIGN; DAL TILE. COLOR WHEEL COLLECTION, CLASSIC - PLUM CRAZY1178, 3" X 6" WALL TILE. REFERENCE INTERIOR ELEVATIONS FOR PATTERN.

**WALL BASE**

- RB: 4" RUBBER COVED BASE - JOHNSONITE 259 - TERRA FIRMA
- CTB: POLISHED CERAMIC WALL TILE - (FIELD)- DAL TILE. COLOR WHEEL COLLECTION, CLASSIC - BISCUIT K175, 6" X 6" WALL TILE

**FLOORING LEGEND**

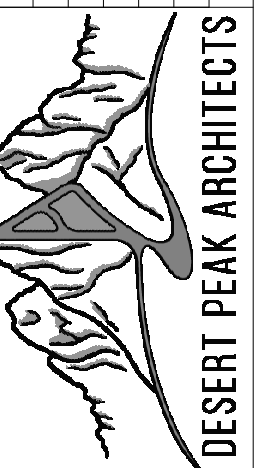
- PT-1 DAL TILE DELEGATE - BLACK DL28 - 24" X 24" STACKED
- VCT-1 TO MATCH EXISTING 12" X 12" STACKED
- EXISTING TO REMAIN
- CT-1 CARPET TILE - ALT.1
- SC-1 SEALED CONCRETE - ALT.1

**ROOM FINISH SCHEDULE**

ROOM NO	ROOM ID	ROOM NAME	FLOOR		WALLS				CEILING	COMMENTS
			FLOOR	BASE	NORTH	SOUTH	EAST	WEST	MATL	
110	JANITOR'S		VCT-1	RB	P-1	P-1	P-1	P-1	P	REFERENCE ALT.1 FOR FLOORING OPTIONS
111	ELECTRICAL		VCT-1	RB	P-1	P-1	P-1	P-1	O	REFERENCE ALT.1 FOR FLOORING OPTIONS
H100	CORRIDOR		VCT-1	RB	P-1	P-1	P-1	-	A24	CEILING TO MATCH AND ALIGN WITH EXISTING. REFERENCE ALT.1 FOR FLOORING OPTIONS
R108	WOMEN'S RESTROOM		PT-1	CTB	P-1, CT-1, CT-2, CT-3, CT-4	P-1, CT-1, CT-2, CT-3, CT-4	P-1, CT-1, CT-2, CT-3, CT-4	P-1, CT-1, CT-2, CT-3, CT-4	P	WAINSCOT TO EXTEND UP TO 5'-0" ON DESIGNATED WALLS. NEW WALLS SHALL BE CONSTRUCTED WITH WATER-RESISTANT GYPSUM BOARD ABOVE THE WAINSCOT.
R109	MEN'S RESTROOM		PT-1	CTB	P-1	P-1, CT-1, CT-2, CT-3, CT-4	P-1, CT-1, CT-2, CT-3, CT-4	P-1, CT-1, CT-2, CT-3, CT-4	P	WAINSCOT TO EXTEND UP TO 5'-0" ON DESIGNATED WALLS. NEW WALLS SHALL BE CONSTRUCTED WITH WATER-RESISTANT GYPSUM BOARD ABOVE THE WAINSCOT.

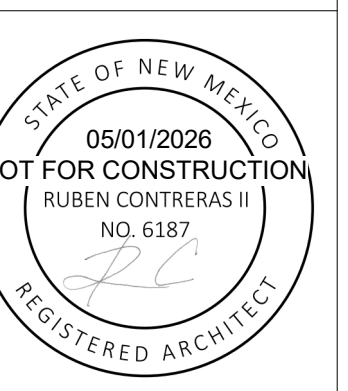
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PROJECT NO.  
206-137

SHEET TITLE  
 INTERIOR FINISH PLAN AND REFLECTED CEILING PLAN

SHEET NO.

**A650**

# MECHANICAL SYMBOLS AND ABBREVIATIONS

[SOME SYMBOLS MAY NOT BE USED ON THIS PROJECT]

## GENERAL PIPING SYMBOLS

SYMBOL	DESCRIPTION
	VENTURI
	AUTOMATIC AIR VENT
	BACK FLOW PREVENTER
	BALL JOINT
	BASKET STRAINER ASSEMBLY
	BLIND FLANGE
	STEAM TRAP
	CAP
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	EXPANSION JOINT
	FLEXIBLE CONNECTION (PIPE)
	FLOW DIRECTION
	PRESSURE SWITCH
	FLOW SWITCH
	GAUGE COCK CONNECTION
	GAUGE COCK & PRESSURE GAUGE
	PIPE ANCHOR
	PIPE DROP
	PIPE RISER
	PIPING GUIDE
	REFRIGERANT SITE GLASS
	STRAINER (Y TYPE) W/ BLOWDOWN & CAP
	THERMOMETER IN WELL
	DIAL THERMOMETER
	TEST PLUG
	TEST WELL
	UNION
	CONDENSATE DRAIN
	EXISTING PIPING
	FUEL OIL FILL
	FUEL OIL RETURN
	FUEL OIL SUPPLY
	FUEL OIL VENT
	SPRING ISOLATOR - PIPE OR EQUIPMENT
	VIBRATION ISOLATOR
	NEW EQUIPMENT
	EXISTING EQUIPMENT
	NEW PIPING
	PIPING TO REMAIN
	PIPING TO BE REMOVED
	PUMP (SCHEMATIC)
	TURBINE METER ASSEMBLY
	ORIFICE ASSEMBLY
	NEW CONNECTION TO EXISTING
	UNDERGROUND PIPING

## AIR CONDITIONING

SYMBOL	DESCRIPTION
	CHILLED/HEATING WATER RETURN
	CHILLED/HEATING WATER SUPPLY
	CHILLED WATER RETURN
	CHILLED WATER SUPPLY
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	REFRIGERANT DISCHARGE
	MAKE-UP WATER
	CONDENSATE DRAIN
	PUMPED CONDENSATE DRAIN

## GENERAL DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
	ROUND DUCT SECTION
	FLAT OVAL DUCT SECTION
	12" DIA. ROUND DUCT
	12" BY 24" FLAT OVAL DUCT
	SUPPLY DUCT SECTION, POSITIVE PRESS.
	EXH., RET., O.A. DUCT SECTION NEGATIVE PRESS.
	DUCTWORK, FIRST NO. IS VISIBLE DIM.
	EXISTING DUCTWORK (LIGHT LINES)
	BRANCH DUCT
	"Y" BRANCH
	MEDIUM PRESSURE DUCT BRANCH
	ACOUSTICALLY LINED DUCT
	DUCT ACCESS DOOR
	FLEXIBLE CONNECTION (DUCT)
	CHANGE OF ELEVATION IN DIRECTION SHOWN R-RISE D-DROP
	FIRE DAMPER TYPE "A"
	SMOKE DAMPER
	FIRE & SMOKE DAMPER
	BRANCH DUCT WITH VOLUME DAMPER
	SIDEWALL REGISTER
	DUCT WITH TURNING VANES
	SPLITTER DAMPER
	DAMPER TYPE INDICATED (OBD, PBD)
	MOTORIZED DAMPER TYPE INDICATED (OBD, PBD)
	VANED ELBOW (PROVIDE ALL SQUARE ELBOWS W/ VANES EVEN IF SYMBOL IS MISSING)
	VANED ELBOW (SHORT RADIUS)
	STANDARD RADIUS ELBOW
	LOUVER
	SUPPLY AIR DIFFUSER - ARROWS INDICATE DIRECTION OF THROW
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	LINEAR SUPPLY AIR DEVICE
	LINEAR RETURN AIR DEVICE
	FLEXIBLE DUCT (SINGLE LINE DUCT)
	FLEXIBLE DUCT
	FAN (SCHEMATIC)
	DIFFERENTIAL PRESSURE GAUGE
	NEW CONNECTION TO EXISTING

## DRAWING SYMBOLS

SYMBOL	DESCRIPTION
	EQUIPMENT MARK NUMBER - CHP
	KEYED NOTE 2
	AIR DEVICE MARK
	SECTION ARROW - SECTION 1, SHEET M-2
	TYPE 'A' AIR DEVICE, 500 CFM W/ 15" X 15" NECK, WHEN NOT INDICATED ON DRAWING REFER TO SCHEDULE.
	TYPE 'A' AIR DEVICE, 500 CFM W/ 15" X 15" FACE, 14" NECK, WHEN NOT INDICATED ON DRAWING REFER TO SCHEDULE.
	TYPE 'A' LINEAR AIR DEVICE, 400 CFM, 48" LONG, PROVIDE WITH PLENUM BOX.

## HEATING PIPING SYMBOLS

SYMBOL	DESCRIPTION
	HIGH PRESSURE STEAM CONDENSATE
	LOW PRESSURE STEAM CONDENSATE
	STEAM SUPPLY (PRESS. AS NOTED)
	PUMPED CONDENSATE RETURN
	HOT WATER RETURN
	HOT WATER SUPPLY
	BOILER FEED WATER
	THERMOSTATIC TRAP
	FLOAT & THERMOSTATIC TRAP

## VALVES

SYMBOL	DESCRIPTION
	CIRCUIT BALANCING VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	EXPANSION VALVE
	FLOAT VALVE
	GATE VALVE
	GLOBE VALVE
	LIQUID SOLENOID VALVE
	MANUAL 3-WAY CONTROL VALVE
	MOTOR OPERATED, STRAIGHT THRU VALVE
	MOTOR OPERATED, 3-WAY CONTROL VALVE
	O.S. & Y. GATE VALVE
	PLUG VALVE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	PRESSURE & TEMP. RELIEF VALVE
	THERMOSTATIC EXPANSION VALVE
	VALVE W/ HOSE THREAD

## CONTROLS

SYMBOL	DESCRIPTION
	THERMOSTAT - REMOTE BULB
	THERMOSTAT SERVING ZONE X
	HUMIDISTAT SERVING ZONE X
	FIRESTAT
	TEMPERATURE SENSOR
	HUMIDITY SENSOR
	REMOTE TEMPERATURE SENSOR
	REMOTE DUCT DETECTOR
	HVAC CONTROL MODULE

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
ABV	ABOVE	EA	EACH
AC	ABOVE CEILING	EAT	ENTERING AIR TEMPERATURE
A/C	AIR CONDITIONED	EDH	ELECTRIC DUCT HEATER
ACCH	AIR COOLED CHILLER	EF	EXHAUST FAN
AD	ACCESS DOOR	ELEC	ELECTRICAL
AF	AIR FOIL	ELEV	ELEVATION
AFF	ABOVE FINISHED FLOOR	EG	EXHAUST GRILLE
AFMS	AIR FLOW MEASURING STATION	ENT	ENTERING
AHU	AIR HANDLING UNIT	EQUIP	EQUIPMENT
AMCA	AIR MOVING AND CONDITIONING ASSOCIATION, INC.	ER	EXHAUST REGISTER
AP	ACCESS PANEL	ESP	EXTERNAL STATIC PRESSURE
APPROX	APPROXIMATE	ET	EXPANSION/ COMPRESSION TANK
ARCH	ARCHITECTURAL	EW	ENTERING WATER TEMPERATURE
ARI	AIR CONDITIONING REFRIGERATION INSTITUTE	EXH	EXHAUST
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE	EXIST	EXISTING
AS	AIR SEPARATOR	F	DEGREES FAHRENHEIT
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	FC	FAN COIL
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	FD	FIRE DAMPER
AV	AUTOMATIC AIR VENT ASSEMBLY	FLEX	FLEXIBLE
B	BOILER	FLG	FLANGE
BDD	BACK DRAFT DAMPER	FLR	FLOOR
BHP	BRAKE HORSEPOWER	FM	FACTORY MUTUAL
BI	BACKWARD INCLINED	FO	FLAT OVAL DUCT
BLDG	BUILDING	FFM	FEET PER MINUTE
BOD	BOTTOM OF DUCT	FT	FEET, FOOT
BOP	BOTTOM OF PIPE	FS	FLOW SWITCH
BSMT	BASEMENT	FSM	FIRE SMOKE DAMPER
BTU	BRITISH THERMAL UNIT	GAL	GALLON
CDP	CONDENSATE DRAIN PUMP	GALV	GALVANIZED
CFM	CUBIC FEET PER MINUTE	GFPM	GALLONS PER MINUTE
CHP	CHILLED WATER PUMP	HB	HOSE BIBB
CLG	CEILING	HP	HORSEPOWER
CWP	CONDENSER WATER PUMP	HR	HOUR
CO	CLEANOUT	H	HIGH, HEIGHT
COND	CONDENSATE	HVAC	HEATING/VENTILATING/ AIR CONDITIONING
CONN	CONNECTION	HWP	HOT WATER PUMP
CONT	CONTINUATION	HZ	HERTZ
CP	CONTROLLABLE PITCH	ID	INSIDE DIAMETER
CT	COOLING TOWER	IE	INVERT ELEVATION (FLOW LINE)
CU	CONDENSING UNIT	IH	INTAKE HOOD
CW	COLD WATER	IN	INCHES
CL	CENTER LINE	INSUL	INSULATION
D	DRAIN	IN WG	INCHES OF WATER
DB	DRY BULB	KA	KILOWATT(S)
DOP	DATA COLLECTION PANEL	SW	SCHEDULE
DC	DOOR GRILLE	SCH	SECONDARY CHILLED WATER PUMP
DIA	DIAMETER	SD	SMOKE DAMPER
DIFF	DIFFUSER	SEC	SECOND
DN	DOWN	SF	SUPPLY FAN
DWG	DRAWING	SMACNA	SHEET METAL AND AIR CONDITIONING
DX	DIRECT EXPANSION	SP	STATIC PRESSURE
L	LONG, LENGTH	SPEC	SPECIFICATION
LAT	LEAVING AIR TEMPERATURE	SF	SQUARE FOOT
LB	POUND	STD	STANDARD
LVR	LOUVER	STL	STEEL
MAX	MAXIMUM	SW	SWITCH
MD	MANUAL DAMPER	TEMP	TEMPERATURE
MECH	MECHANICAL	THL	TEMPERATURE HIGH LIMIT
MIN	MINIMUM	TLL	TEMPERATURE LOW LIMIT
MS	MOTOR STARTER	TN	TRUE NORTH
NA	NOT APPLICABLE	T'STAT	THERMOSTAT
NC	NORMALLY CLOSED	TU	TERMINAL UNIT
NTS	NOT IN CONTRACT	TVX	THERMOSTATIC EXPANSION VALVE
NIC	NORMALLY OPEN	TYP	TYPICAL
NO	NORMALLY OPEN	UF	UNDER FLOOR
NTS	NOT TO SCALE	UH	UNIT HEATER
OA	OUTSIDE AIR	UL	UNDERWRITERS LABORATORIES
OAH	OUTSIDE AIR INTAKE HOOD	V-12	CONTROL VALVE NUMBER
OBD	OPPOSED BLADE DAMPER	VAV	VARIABLE AIR VOLUME
OB	ON CENTER	VB	VALVE BOX
PBD	PARALLEL BLADE DAMPER	VEL	VELOCITY
PCHP	PRIMARY CHILLED WATER PUMP	VENT	VENTILATE
PRESS	PRESSURE	VF	VENTILATION FAN
PRV	PRESSURE REDUCING VALVE	VFD	VARIABLE FREQUENCY DRIVE
PSIG	POUNDS PER SQUARE INCH (GAUGE)	VOL	VOLUME
PHL	PRESSURE HIGH LIMIT	VOLT	VOLTAGE
R-22	REFRIGERANT (TYPE AS NOTED)	W	WIDE, WIDTH
RA	RETURN AIR	W/	WITH
RE: 4M7.01	REFER TO DETAIL 4, SHEET M7.01	WB	WET BULB
RET	RETURN	W/O	WITHOUT
RG	RETURN GRILLE		
RH	RELATIVE HUMIDITY		
RM	RELIEF HOOD		
RPM	REVOLUTIONS PER MINUTE		
RTU	ROOF TOP UNIT		

## MECHANICAL GENERAL NOTES

- NOTE: FOR THE PURPOSE OF CLARITY AND LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH SIZES AND LOCATIONS OF EQUIPMENT ARE DRAWN TO SCALE WHEREVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION PRIOR TO ORDERING, FABRICATING OR INSTALLING ANY MATERIALS.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE COMPLETE INFORMATION AND COOPERATE WITH THE OTHER CONTRACTORS AND TRADES AS REQUIRED FOR THE COMPLETION AND COORDINATION OF THE COMPLETE PROJECT. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE PRIME CONTRACTOR, ENGINEER AND, AS NECESSARY, THE OWNER.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADMINISTERING ALL WARRANTIES ON EQUIPMENT WHICH THEY FURNISH AND INSTALL.
- GUARDS SHALL BE PROVIDED WHERE APPLIANCES, EQUIPMENT, FANS OR OTHER COMPONENTS THAT REQUIRE SERVICE AND ROOF HATCH OPENING ARE LOCATED WITHIN 10' OF A ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE AND SUCH EDGE OR OPEN SIDE IS LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR, ROOF OR GRADE BELOW.
- TURNOVER ALL EQUIPMENT AND MATERIAL OWNING, OPERATING AND MAINTENANCE (OM) MANUALS TO OWNER AFTER INSTALLATION IS COMPLETE.
- ALL ITEMS PROJECTING THROUGH THE ROOF SHALL BE FLASHED THROUGH CURBS OR PIPE SEALS A MINIMUM OF 12" ABOVE THE ROOF. THE PIPE CURBS AND SEALS SHALL BE INSTALLED BY THE ROOFING CONTRACTOR. ENSURE THAT AMPLE BOOT OPENINGS ARE PROVIDED TO ACCOMMODATE ANY ELECTRICAL CONDUIT PENETRATIONS REQUIRED FOR POWER.
- ALL OUTDOOR AIR INTAKES BY MECHANICAL EQUIPMENT SHALL HAVE A MINIMUM 10'-0" HORIZONTAL CLEARANCE FROM THE DISCHARGE OF ANY EXHAUST FAN, COMBUSTION EXHAUST OR PLUMBING VENT.
- COORDINATE THE INSTALLATION AND FINISH OF ALL SUPPLY AND RETURN AIR DEVICES. ALL INTERIOR FACES OF DUCTWORK BEHIND RETURN AIR GRILLES SHALL BE PAINTED FLAT BLACK FOR LINE OF SIGHT.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCT AND OFFUSER LOCATIONS WITH LIGHT FIXTURES AS WELL AS SPRINKLER PIPING AND HEADS (WHERE INCLUDED IN THE PROJECT) FOR A COMPLETE INSTALLATION, WHERE THE ALTERATION OF DUCT SIZES ARE NECESSARY, MAINTAIN MANHOLE-SECTIONAL AREAS.
- ROOFTOP UNITS SHALL BE SET TO RUN IN "FAN CONTINUOUS" MODE DURING OCCUPIED HOURS, DURING NIGHT SET-BACK HOURS, THE ROOFTOP UNITS SHALL RUN IN "FAN AUTO" MODE.
- MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL 4" HIGH BLACK OVER WHITE LAMINATE NAMEPLATE WITH 2" LETTERS VISIBLE ADJACENT TO DISCONNECT SWITCH FOR ALL MECHANICAL EQUIPMENT.
- ALL CONDUITS, DISCONNECT SWITCHES AND FINAL CONNECTIONS FOR LINE VOLTAGE WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR. LOW VOLTAGE CONDUIT, WIRING AND FINAL CONNECTION BY MECHANICAL CONTRACTOR.
- PROVIDE VIBRATION ISOLATION DEVICES AND FLEXIBLE DUCT/ PIPING CONNECTIONS TO ALL MOVING MACHINERY NOT INTERNALLY ISOLATED.
- SUPPLY, RETURN AND RESTROOM EXHAUST DUCT CONSTRUCTION SHALL BE GALVANIZED STEEL, ANY REQUIRED GAUGES, SHAKY BRACING AND SUSPENSION SHALL CONFORM TO SMACNA STANDARDS, SEAL ALL SEAMS AND JOINTS AIR AND WATER TIGHT.
- FLEXIBLE ALUMINUM DUCTWORK OR FIBERGLASS DUCTBOARD CAN BE ALLOWED WITH ENGINEER'S PRIOR APPROVAL.
- ALL RECTANGULAR, ROUND, AND FLEXIBLE DUCTWORK SHALL BE SIZED WITH CLEAR HOSE DIMENSIONS AS SHOWN ON THESE DRAWINGS, AND SHALL BE FABRICATED AND INSTALLED ACCORDING TO THE MOST RECENTLY PUBLISHED SMACNA STANDARDS. ALL JOINTS, SEAMS, AND CONNECTIONS MUST BE SECURELY FASTENED & SEALED.
- ALL HVAC SUPPLY AND RETURN CONCEALED DUCTWORK TO BE EXTERNALLY WRAPPED AND SECURED WITH MINIMUM R-5.0, 2" INSULATION WITH VAPOR BARRIER PER APPLICABLE MECHANICAL CODES, WITH LOCAL JURISDICTION CODE AMENDMENTS. INSULATION SHALL HAVE MAXIMUM RATINGS OF 25 FLAME SPREAD, 50 SMOKE DEVELOPED.
- ALL PENETRATIONS IN FIRE RATED WALL ASSEMBLIES SHALL BE SEALED WITH UL LISTED FIRE STOPPING MATERIAL.
- THE WALL MOUNTED TYPE-1 KITCHEN EXHAUST HOODS SHALL BE INSTALLED WITH TOP OF HOOD HEIGHTS AS NOTED IN THE HOOD SCHEDULE OR AS PER MANUFACTURER'S INSTRUCTIONS, COORDINATE THEIR COMPLETE INSTALLATION AND PLACEMENT IN THE FIELD.
- REFER TO MANUFACTURER SHEETS FOR THE HOOD CONTROL WIRING DIAGRAM, FOR OPERATION OF THE KITCHEN HOOD EQUIPMENT.
- FITCH ALL HORIZONTAL GREASE DUCTWORK UNIFORM BACK TOWARDS THE RESPECTIVE HOOD AT A MINIMUM 1/4" PER FOOT.
- ROOF CURBS FOR EXHAUST FANS SHALL BE PER DETAILS SECTION, AND FURNISHED WITH THE FAN BASE, HOOD, AND FAN PACKAGE. THE GENERAL CONTRACTOR SHALL FLASH ROOF CURBS AND SHIM DEAD LEVEL, COORDINATE EXACT SIZE AND LOCATION OF ROOF OPENINGS WITH THE STRUCTURAL FRAMING. CUTTING OF STRUCTURAL MEMBERS IS NOT PERMITTED.
- ROOF CURBS FOR ROOFTOP UNITS SHALL BE FACTORY FABRICATED OF GALVANIZED STEEL CONSTRUCTION WITH WOOD NAEL, AND FURNISHED WITH THE HVAC EQUIPMENT PACKAGE. VERIFY REQUIREMENTS FOR THE ROOF CURBS WITH THE EQUIPMENT SUPPLIER. THE GENERAL CONTRACTOR SHALL FIELD ASSEMBLE THE ROOF CURBS, FLASH AND SHIM DEAD LEVEL, COORDINATE EXACT SIZE AND LOCATION OF ROOF OPENINGS WITH THE STRUCTURAL FRAMING. CUTTING OF STRUCTURAL MEMBERS IS NOT PERMITTED.
- KEEP DUCTWORK AND PIPING INTERIOR CLEAN AND FREE OF DEBRIS THROUGHOUT THE PROJECT. CAP ALL PIPING AND DUCTWORK EXPOSED TO THE ELEMENTS. DO NOT COVER ANY MECHANICAL OR PLUMBING WORK IN WALLS, ABOVE CEILING, ETC. PRIOR TO REQUESTING OBSERVATION BY THE ENGINEER. ALL WORK COVERED WITHOUT OBSERVATION BY THE ENGINEER SHALL BE UNCOVERED FOR OBSERVATION.
- PER APPLICABLE MECHANICAL CODES, WITH LOCAL JURISDICTION CODE AMENDMENTS WHEN REQUIRED, EACH SINGLE SYSTEM PROVIDING HEATING OR COOLING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF. AUTOMATIC SHUTOFF SHALL BE ACCOMPLISHED BY INTERRUPTING THE POWER SOURCE OF THE AIR MOVING EQUIPMENT DEVICES WHICH WILL DETECT PRODUCTS OF COMBUSTION OTHER THAN HEAT, AND WHICH COMPLY WITH THE IBC, SHALL BE LABELLED BY AN APPROVED AGENCY FOR AIR DUCT INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. SMOKE DEVICES SHALL BE COMPATIBLE WITH THE OPERATING VOLTAGES, PRESSURES, TEMPERATURES AND HUMIDITIES OF THE SYSTEM WHERE FIRE DETECTION OR ALARM SYSTEMS ARE PROVIDED FOR THE BUILDING. SMOKE DETECTORS SHALL BE SUPERVISED BY SUCH SYSTEMS.
- CONTRACTOR SHALL HAVE A THIRD PARTY CERTIFIED TEST AND BALANCE REPORT PERFORMED AT COMPLETION OF PROJECT. THIRD PARTY TAB CONTRACTOR TO BE SELECTED BY OWNER. ANY DIFFERENCES ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING THE AIR FILTERS AT THE ROOFTOP UNITS WITH AS PER MANUFACTURER RECOMMENDATIONS AT THE COMPLETION OF CONSTRUCTION AND PRIOR TO AIR BALANCE.
- MECHANICAL CONTRACTOR SHALL BE ON SITE AND PRESENT AT THE DATE OF PROJECT TURNOVER.
- AIR DEVICE SIZES SHOWN ON SCHEDULES ARE NEOS SIZES.
- BOTTOM OF DUCT ELEVATION INDICATED ON THE DRAWING INDICATES THE APPROXIMATE HEIGHT ABOVE FINISHED FLOOR LEVEL TO THE UNDERSIDE OF THE DUCT. THIS INFORMATION IS PROVIDED AS AN AID TO COORDINATION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON SITE.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LOCAL STATE AND FEDERAL CODES AND STANDARDS. CRAFTSMANSHIP AND MATERIAL SHALL BE OF THE FINEST QUALITY.
- UNLESS NOTED OTHERWISE, ALL CAPACITIES INDICATED ARE AT SITE CONDITIONS. ALL EQUIPMENT SHALL BE ADJUSTED, MODIFIED AND ORDERED TO ACCOMMODATE SITE CONDITIONS.
- THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS FULLY PRIOR TO THE SUBMITTAL PHASE OF THE PROJECT. CONFLICTS WITHIN AND BETWEEN THE CONTRACTOR DOCUMENTS SHALL BE NOTED IN WRITING TO THE ENGINEER PRIOR TO SUBMITTING DATA SHEETS FOR REVIEW.
- REFRIGERANT LINES & DUCTS IN FINISH ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR INSTALLED ABOVE SUSPENDED CEILING UNLESS NOTED DIFFERENT.
- INSTALL EQUIPMENT TO AVOID SOUND OR NOISE TRANSMISSION TO OCCUPIED SPACES.
- CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS LISTED ON THE DRAWINGS AND SPECIFICATIONS INCLUDING THOSE LISTED UNDER THE ENERGY COMPLIANCE REPORT. ALL EQUIPMENT INSTALLED SHALL BE PROVIDED WITH THE MANUFACTURER'S RECOMMENDED MAINTENANCE AND OPERATING CLEARANCES.
- TEST, ADJUST AND BALANCE ALL AIR AND WATER SYSTEMS AFTER INSTALLATION IS COMPLETE. SUBMIT REPORTS TO ENGINEER FOR REVIEW AND APPROVAL. TESTS SHALL BE PERFORMED AT PROJECT BY A THIRD PARTY TABS CERTIFIED CONTRACTOR.

RENOVATIONS  
1530 Wells St., Las Cruces, NM 88003

Mark	Date	Description
03/26/2026		CONSTRUCTION DOCUMENTS



DESERT PEAK ARCHITECTS P.C.  
311 N MAIN STREET  
LAS CRUCES  
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NOT FOR CONSTRUCTION

PROJECT NO.  
2026-034

SHEET TITLE  
MECHANICAL SYMBS.  
AND ABBREVIATIONS

SHEET NO.

M100

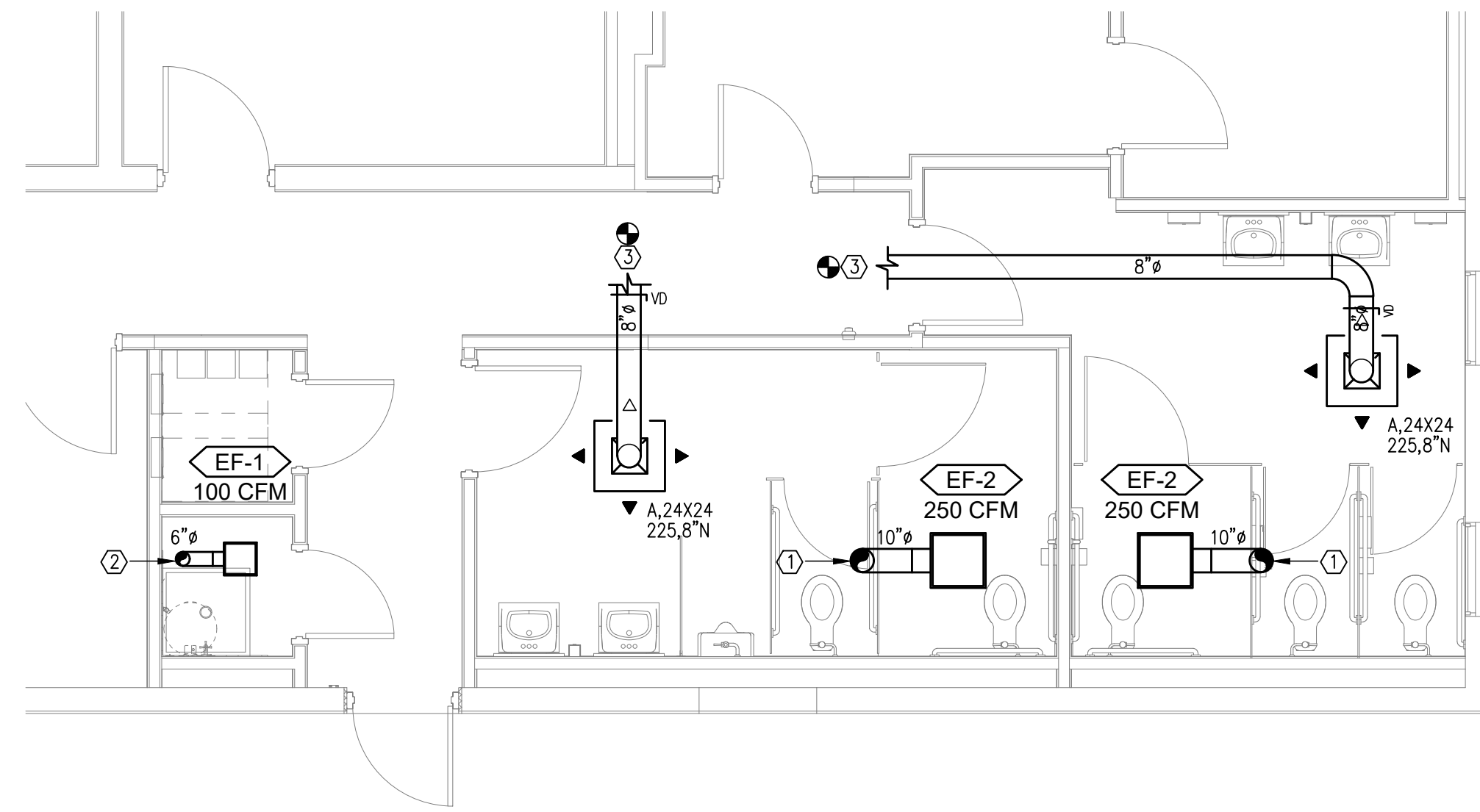


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**M1**  
**M200** OVERALL MECHANICAL PLAN  
1/4" = 1'-0"



**M2**  
**M200** WASTE AND VENT PLUMBING PLAN  
1/4" = 1'-0"

**GENERAL NOTES**

1. ALL SUPPLY DUCTS PENETRATIONS MUST DROP BETWEEN ROOF JOISTS. COORDINATE WITH STRUCTURAL DRAWINGS AND VERIFY BEFORE INSTALLING.
2. DUCT CONSTRUCTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA HVAC CONSTRUCTION STANDARDS.
3. MATERIAL AND CONSTRUCTION SHALL CONFORM WITH ALL LOCAL CODES ORDINANCES, REGULATIONS AND ASHRAE AND SMACNA STANDARDS.
4. PERFORM TEST AND BALANCE AS PER AABC STANDARDS.
5. VERIFY AND COORDINATE STRUCTURAL JOIST AND NEW DUCTWORK TO FIT IN EXISTING CONDITIONS.
6. ANY PLASTIC PIPING (PVC PIPE) LOCATED IN A RETURN CEILING SPACE OR PLENUM SHALL BE ENCLOSED IN SHEETROCK OR WRAPPED WITH 3M FIREMASTER BLANKET OR UL910 STANDARD COVER.
7. PROVIDE AND INSTALL A 2-HR FIRE RESISTANCE BLANKET AROUND THE NEW EXHAUST WHEN THE MINIMUM CLEARANCE TO ANY COMBUSTIBLE MATERIAL OF 6" IS NOT MET.
8. PROVIDE AND INSTALL SMOKE DETECTORS WITH REMOTE TEST SWITCH AND AUDIBLE ALARM WITH RESET STATION ON ALL UNITS OVER 2,000 CFM.

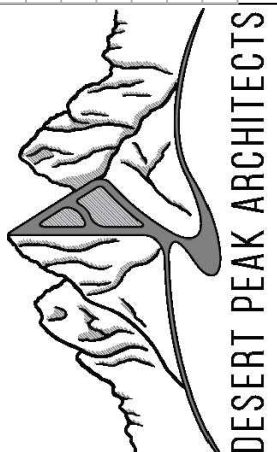
**NEW WORK KEYED NOTES**

- ① 10" ROUND DUCT UP THRU ROOF TO WEATHER PROOF GOOSENECK. PROVIDE INSECT SCREEN.
- ② 6" ROUND DUCT UP THRU ROOF TO WEATHER PROOF GOOSENECK. PROVIDE INSECT SCREEN.
- ③ EXTEND AND CONNECT NEW SUPPLY DUCTWORK TO EXISTING DUCTWORK MAIN TRUNK, PROVIDE VOLUME DAMPER AT NEW SADDLE.

**RENOVATIONS**  
1530 Wells St., Las Cruces, NM 88003

Description  
CONSTRUCTION DOCUMENTS

Date  
03/26/2026  
Mark  
Issue



DESERT PEAK ARCHITECTS P.C.  
311 N MAIN STREET  
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PROJECT NO.  
2026-034

SHEET TITLE  
MECHANICAL FLOOR PLANS

SHEET NO.

**M200**



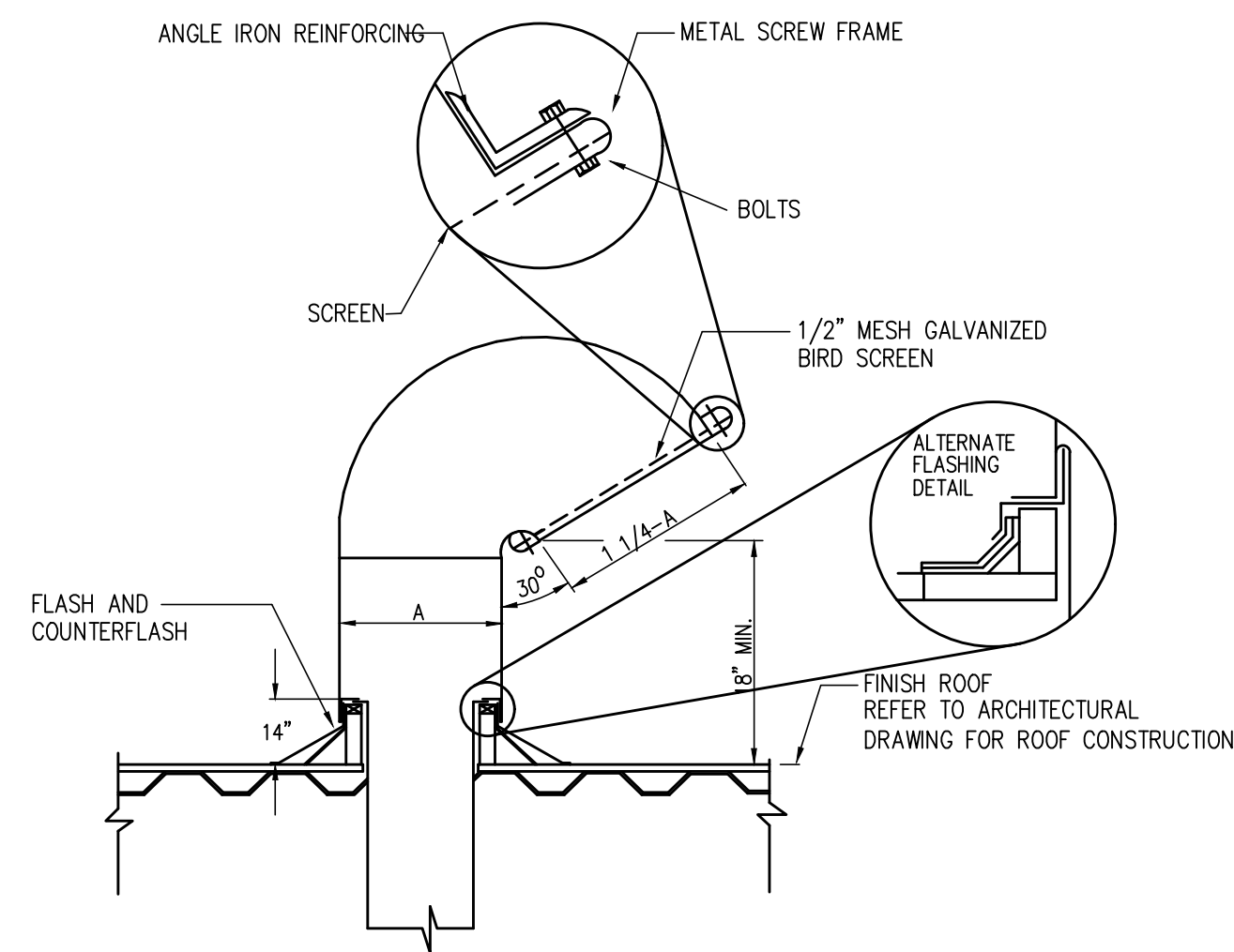
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301 E. Yonahli Dr. | El Paso | Texas | 79902 | 915-222-5331 | arete-engineering.com

AIR DEVICE SCHEDULE							OR APPROVED EQUAL
MARK	MANUFACTURER	MODEL	SERVICE	FACE APPEARANCE	THROW PATTERN	MATERIAL	REMARKS
A	PRICE	SCD	SUPPLY	SQUARE - LOUVERED	4-WAY	ALUMINUM	1,2,3
B	PRICE	80	RETURN	EGGCRATE	N/A	ALUMINUM	1,2
C	PRICE	80	EXHAUST	EGGCRATE	N/A	ALUMINUM	1,2

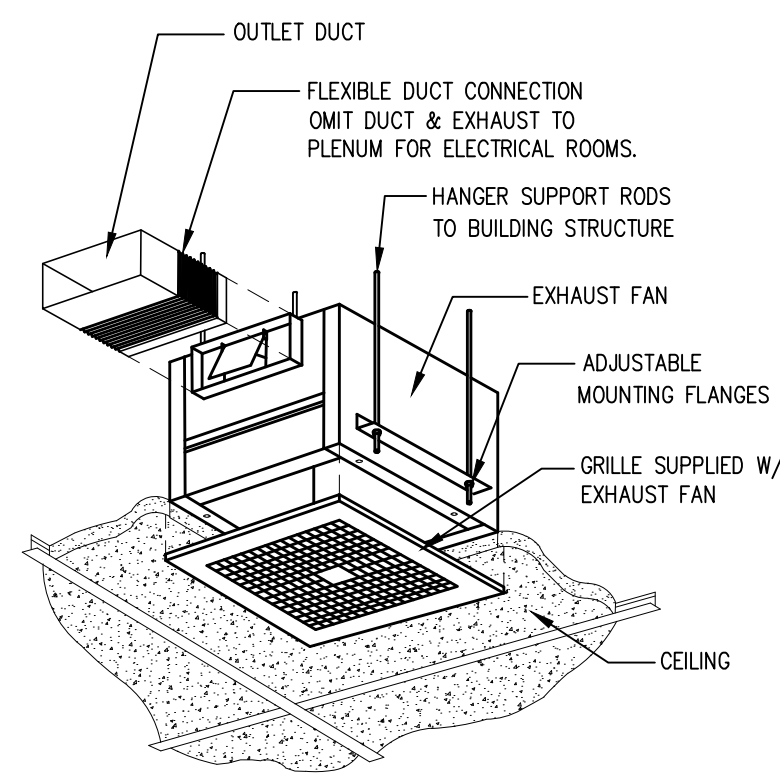
REMARKS:  
 1 - FRAMES SHALL BE SUITABLE FOR SECURING TO THE CONSTRUCTION MATERIAL. 4 - PROVIDE YOUNG MANUAL DAMPER REGULATOR.  
 2 - COLOR TO BE COORDINATED WITH ARCHITECT 5 - PROVIDE PLENUM BOX TO TOP OF DIFFUSER, NECK SIZE AS INDICATED.  
 3 - PROVIDE AND INSTALL OPPOSED BLADE DAMPER, MODEL D-75 6 - PROVIDE UNIT HEPA FILTER & INTEGRATED LIGHT FIXTURES.

FAN SCHEDULE														OR APPROVED EQUAL									
TAG	SERVICE	AIR FLOW (CFM)	WHEEL DIAMETER (IN.)	EXTERNAL STATIC PRESSURE (IN.W.G.)	FAN TYPE	OUTLET VELOCITY (FPM)	SOUND POWER BY OCTAVE BAND INLET/RATIATED						DRIVE TYPE	FAN SPEED (RPM)	MOTOR MAX OPERATING AMPS	HEATER (W)	VOLTS/PHASE	APPROX. OPERATING WEIGHT(LB.)	MANUFACTURER	MODEL	REMARKS		
							63	125	250	500	1,000	2,000										4,000	8,000
EF-1	RESTROOM	100	N/A	0.25	CEILING	504	55	60	50	51	47	40	31	27	DIRECT	950	1.14	N/A	120 / 1	15	GREENHECK	SP-B110	1,2,3,4,5
EF-2	RESTROOM	250	N/A	0.25	CEILING	720	55	60	50	51	47	40	31	27	DIRECT	950	.47	N/A	120 / 1	18	GREENHECK	SP-A200	1,2,3,4,5

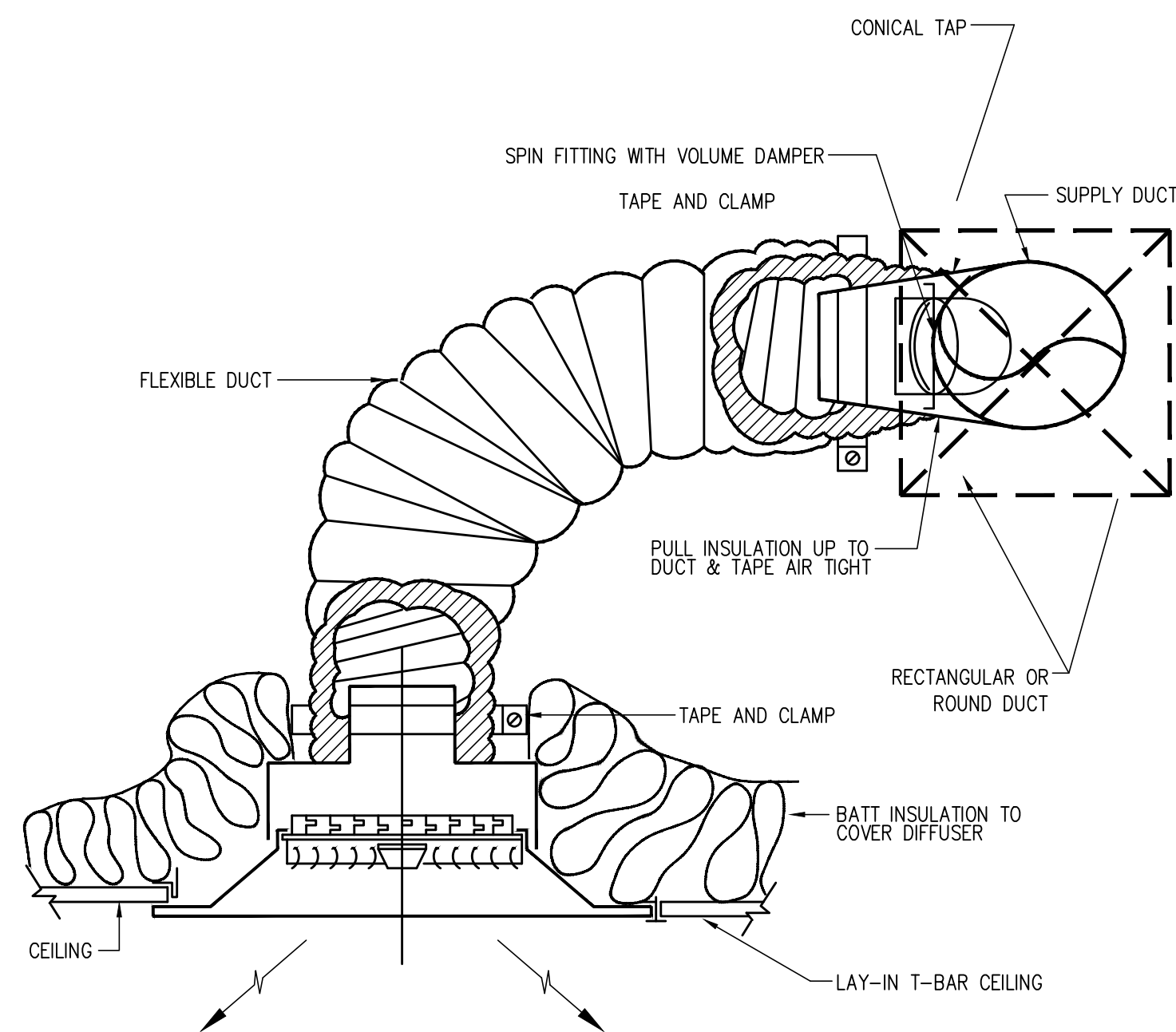
REMARKS:  
 1 - PROVIDE 6" IN ROUND DUCT THRU ROOF TO GOOSENECK WITH BIRD SCREEN.  
 2 - FAN TO BE INTERLOCK WITH LIGHTS  
 3 - PROVIDE AND INSTALL CORROSION RESISTANT GALVANIZED STEEL SCROLL AND HOUSING  
 4 - PROVIDE SOUND-ABSORBING ACOUSTIC INSULATION INSIDE  
 5 - SOUND LEVEL SHALL NOT BE EXCEEDED BY MORE THAN 3 DB AT EACH OVTAVE BAND



1 GOOSENECK DETAIL SCALE: NONE



2 EXHAUST FAN DETAIL SCALE: NONE



3 FLEXIBLE DUCT AND CEILING DIFFUSER DETAIL SCALE: NONE

D

C

B

A

Mark	Date	Description
ISSUE:	03/26/2026	CONSTRUCTION DOCUMENTS

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PROJECT NO. 2026-034

SHEET TITLE MECHANICAL DETAILS AND SCHEDULES

SHEET NO.

M300

# PLUMBING SYMBOLS AND ABBREVIATIONS

[SOME SYMBOLS MAY NOT BE USED ON THIS PROJECT]

D

GENERAL PIPING SYMBOLS	
SYMBOL	DESCRIPTION
	90 DEGREE ELBOW
	FLANGE CONNECTION
	CAP
	BLIND FLANGE
	PLUMBING FIXTURE & DESIGNATION SEE FIXTURE CONNECTION SCHEDULE
	PLANDetail NUMBER SHEET NUMBER
	PIPE DROP
	PIPE RISE
	TEE FITTING - SIDE BRANCH CONNECTION
	TEE FITTING - BOTTOM BRANCH CONNECTION
	TEE FITTING - TOP BRANCH CONNECTION
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	BALL JOINT
	EXPANSION JOINT
	FLEXIBLE CONNECTION (PIPE)
	FLOW DIRECTION
	PIPE ANCHOR
	PIPING GUIDE
	NEW CONNECTION TO EXISTING
	FIRE HYDRANT
	GAS PRESSURE REGULATOR
	GAS METER
	WATER METER OFFICE 3
	THERMOMETER

C

DOMESTIC WATER SUPPLY	
SYMBOL	DESCRIPTION
	PIPING TO BE REMOVED
	NEW COLD WATER PIPE
	NEW HOT WATER (120°)
	NEW HOT WATER RETURN (120°)
	NEW FIRE PIPE
	HOT WATER @ 140°
	SHOCK ABSORBER SEE PLUMBING FIXTURE CONNECTION SCHEDULE

B

UTILITIES	
WATER / SEWER CONTACT: _____	
NATURAL GAS CONTACT: _____	

A

GENERAL PIPING SYMBOLS – VALVES	
SYMBOL	DESCRIPTION
	VALVE IN BOX
	BALL VALVE
	CHECK VALVE
	GATE VALVE
	PRESSURE & TEMP. RELIEF VALVE
	PETE'S PLUG (TYPICAL)
	REDUCED PRESSURE BACK FLOW PREVENTER (RPBP)
	PRESSURE REDUCING VALVE
	VALVE IN BOX

SANITARY SEWER/WASTE/VENT	
SYMBOL	DESCRIPTION
	CLEANOUT
	FLOOR DRAIN & P-TRAP (RISER)
	3" FLOOR DRAIN (SIZE & TYPE NOTED)
	HUB DRAIN & P-TRAP
	2-WAY COUNTERSUNK CLEANOUT PLUGS MOUNT IN CONCRETE PAD FLUSH WITH FINISHED GRADE
	SANITARY COMBINATION FITTING
	VENT PIPE (PLUMBING)
	INDIRECT DRAIN
	3" FLOOR DRAIN TYPE 1
	DEGREES FAHRENHEIT
	FLOOR CLEANOUT
	ROOF DRAINAGE
	SECONDARY ROOF DRAINAGE
	NEW PIPING (WASTE, WATER, ETC)
	EXISTING PIPING (WASTE, WATER, ETC)(LIGHT LINES)
	EXISTING WATER PIPE
	EXISTING SANITARY SEWER PIPE
	EXISTING VENT PIPE
	NEW VENT PIPE

NATURAL GAS	
SYMBOL	DESCRIPTION
	PIPING TO BE REMOVED
	EXISTING MED PRESS GAS PIPE
	EXISTING LOW PRESS GAS PIPE
	GAS (MEDIUM PRESSURE)
	GAS (LOW PRESSURE PRESSURE)
	PLUG VALVE

## PLUMBING ABBREVIATIONS

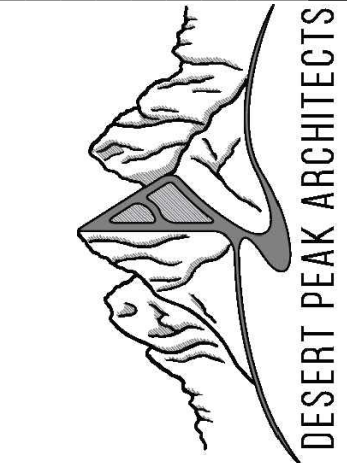
ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
ABV	ABOVE	ID	INSIDE DIMENSION
AC	ABOVE CEILING	IE	INVERT ELEVATION (FLOW LINE)
AD	ACCESS DOOR	IN	INCHES
AFF	ABOVE FINISHED FLOOR	INSUL	INSULATION
AP	ACCESS PANEL	IN WG	INCHES OF WATER
APPROX	APPROXIMATE	KW	KILOWATT(S)
ARCH	ARCHITECTURAL	L	LONG, LENGTH
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	L-#	LAVATORY – REF. PLUMB. FIXT. SCHEDULE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	LB	POUND
AV	ACID VENT	MAX	MAXIMUM
AW	ACID WASTE	MECH	MECHANICAL
BHP	BRAKE HORSEPOWER	MIN	MINIMUM
BLDG	BUILDING	MS	MOTOR STARTER
BOP	BOTTOM OF PIPE	MTD	MOUNTED
BSMT	BASEMENT	NA	NOT APPLICABLE
BTU	BRITISH THERMAL UNIT	NIC	NOT IN CONTRACT
BW-#	BACKWATER VALVE	NTS	NOT TO SCALE
CA	COMPRESSED AIR	OC	ON CENTER
CC	CENTER TO CENTER	OH	OVERHEAD
CAP.	CAPACITY	PCT	PERCENT
CD	CONDENSATE	PLBG	PLUMBING
CDP	CONDENSATE DRAIN PUMP	PRESS	PRESSURE
CI	CAST IRON	PRV	PRESSURE REDUCING VALVE
CL	CEILING	PSIG	POUNDS PER SQUARE INCH (GAUGE)
CO	CLEANOUT	PVC	POLYVINYL CHLORIDE
CONN	CONNECTION	PW-#	PRESSURE WASHER – REF. PLUMB. FIXT. SCHED.
CONT	CONTINUATION	RD	ROOF DRAIN
CW	COLD WATER	REF: 4/P-500	REFER TO DETAIL 4, SHEET P-500
CL	CENTER LINE	REQ'D	REQUIRED
D	DRAIN	RPBP-#	REDUCED PRESSURE BACKFLOW PREVENTER
DCO	DOUBLE CLEANOUT	S-#	SINK – REF. PLUMB. FIXT. SCHEDULE
DIA	DIAMETER	SCHED.	SCHEDULE
DN.	DOWN	SD	STORM DRAIN
DN-#	DOWNSPOUT NOZZLE	SEC	SECOND
DWG	DRAWING	SH-#	SHOWER HEAD – REF. PLUMB. FIXT. SCHED.
EA	EACH	SPEC	SPECIFICATION
EQ	EQUAL	SP	SUMP PUMP
EQUIP	EQUIPMENT	SRD	SECONDARY ROOF DRAIN
EXIST	EXISTING	SS	SERVICE SINK/MOP SINK
EXIST-#	3" FLOOR DRAIN TYPE 1	STD	STANDARD
F	DEGREES FAHRENHEIT	STL	STEEL
FCO	FLOOR CLEANOUT	SW	SWITCH
FIXT	FIXTURE	TEMP	TEMPERATURE
FF	FINISHED FLOOR	TP-#	TRAP PRIMER – REF. PLUMB. FIXT. SCHED.
FG	FINISHED GRADE	TYP	TYPICAL
FLG	FLANGE	U-#	URINAL – REF. PLUMB. FIXT. SCHED.
FLR	FLOOR	UF	UNDER FLOOR
FM	FACTORY MUTUAL	UG	UNDER GROUND
FPM	FEET PER MINUTE	UL	UNDERWRITERS LABORATORIES
FT	FEET, FOOT	UTIL	UTILITY
FS	FLOOR SINK	VB	VALVE BOX
GA	GAUGE	VCP	VITRIFIED CLAY PIPE
GAL	GALLON	VEL	VELOCITY
GALV	GALVANIZED	VOLUME	VOLUME
GCO	GROUND CLEANOUT	VOLT	VOLTAGE
GPH	GALLONS PER HOUR	VTR	VENT THRU ROOF
GPM	GALLONS PER MINUTE	W	WIDE, WIDTH
GW	GREASE WASTE	WB-#	WASHER BOX – REF. PLUMB. FIXT. SCHED.
GV	GREASE VENT	WD-#	WATER DEVICE – REF. PLUMB. FIXT. SCHED.
H	HIGH, HEIGHT	W/	WITH
HB-#	HOSE BIBB – REF. PLUMB. FIXT. SCHED.	W/O	WITHOUT
HP	HORSEPOWER	WC-#	WATER CLOSET – REF. PLUMB. FIXT. SCHED.
HR	HOUR	WCO	WALL CLEANOUT
HTR	HEATER	WD-#	WATERING DEVICE – REF. PLUMB. FIXT. SCHEDULE
HWRP	HOT WATER RECIRCULATING PUMP	WH-#	WATER HEATER – REF. PLUMB. FIXT. SCHED.
HZ	HERTZ	WS-#	WATER SOFTENER – REF. SPECIFICATIONS
		WTD-#	WIDE TRENCH DRAIN – REF. PLUMB. FIXT. SCHED.
		WTR	WATER

## PLUMBING GENERAL NOTES

- NOTE: FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH SIZES AND LOCATIONS OF EQUIPMENT ARE DRAWN TO SCALE WHEREVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION PRIOR TO ORDERING, FABRICATING OR INSTALLING ANY MATERIALS.
- THE PLUMBING SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL CONFORM TO ALL FEDERAL, STATE AND LOCAL CODES AND AUTHORITIES HAVING JURISDICTION.
- PLUMBING QUALITY, WEIGHTS OF MATERIALS AND ALTERNATE METHODS OF CONSTRUCTION SHALL CONFORM TO THE APPLICABLE PLUMBING CODES WITH LOCAL JURISDICTION CODE AMENDMENTS.
- CONTRACTOR SHALL COORDINATE ALL WORK SHOWN ON THESE DRAWINGS AND SPECIFICATIONS WITH ALL DISCIPLINES AND TRADES PRIOR TO SUBMITTAL OF BID AND INSTALLATION OF SYSTEM.
- CONTRACTOR SHALL VISIT SITE PRIOR TO BID TO VERIFY ALL EXISTING CONDITIONS, INCLUDE IN BID THE RELOCATION OF ALL EXISTING UTILITIES THAT WILL OBSTRUCT NEW CONSTRUCTION, INCLUDE IN BID ALL DEVELOPMENT FEES, DEPOSITS, MEASURING DEVICE FEES, AND ALL OTHER FEES RELIANT TO THE ESTABLISHMENT OF UTILITY SERVICES FOR THE NEW STRUCTURE.
- CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS AND SHALL PAY FOR ALL FEES, CHARGES, PERMITS AND METERS.
- THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND LABOR (INCLUDING THE COMPLETE PLUMBING SYSTEM) FOR A PERIOD OF ONE YEAR FROM WRITTEN ACCEPTANCE BY THE TENANT. ANY DEFECTS IN MATERIALS AND OR LABOR FOUND WITHIN THE GUARANTEE PERIOD SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR IN A TIMELY FASHION, AT NO COST TO THE TENANT.
- CONTRACTOR TO FIELD VERIFY INVERT ELEVATION OF EXISTING GREASE WASTE AND SANITARY SEWER BEFORE COMMENCING ANY WORK.
- ALL PLUMBING FIXTURE LOCATIONS (WATER CLOSETS, LAVATORIES ETC) ARE DIAGRAMMATIC. CONTRACTOR SHALL REFER TO FOOD SERVICE AND ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT AND MOUNTING HEIGHTS.
- ANY DEVIATIONS FROM THE DRAWINGS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.
- CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTAL OF BID AND FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS. SUBMITTAL OF BID WILL VERIFY THAT THE CONTRACTOR HAS VISITED THE SITE.
- PIPING SHALL BE INSTALLED PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. THE INSTALLATION SHALL MEET ALL CONSTRUCTION CONDITIONS AND ALLOW FOR THE INSTALLATION OF OTHER TRADES.
- SUPPORT PIPING WITH CLEVIS OR SPLIT RING TYPE PIPE HANGERS WITH 3/8" ALL THREAD ROD AND BEAM CLAMPS. PLUMBERS TAPE AND WIRE NOT PERMITTED.
- TRAP PRIMERS FOR FLOOR DRAINS AND FLOOR SINKS AND WATER HAMMER ARRESTORS TO BE INSTALLED AS PER APPLICABLE PLUMBING CODES WITH LOCAL JURISDICTION CODE AMENDMENTS AND THE LATEST EDITION OF THE AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE 1010) SIZING AND INSTALLATION REQUIREMENTS.
- ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILING SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
- ALL SERVICE WATER HEATING EQUIPMENT TO BE IN COMPLIANCE WITH THE APPLICABLE PLUMBING CODES, WITH LOCAL JURISDICTION CODE AMENDMENT REQUIREMENTS AND LABELED AS SUCH.
- ALL ITEMS PROJECTING THROUGH THE ROOF SHALL BE FLASHED THROUGH CURBS OR PIPE SEALS A MINIMUM OF 12" ABOVE THE ROOF. THE PIPE CURBS AND SEALS SHALL BE INSTALLED BY THE ROOFING CONTRACTOR. ENSURE THAT AMPLE BOOT OPENINGS ARE PROVIDED TO ACCOMMODATE ANY ELECTRICAL CONDUIT PENETRATIONS REQUIRED FOR POWER.
- CONTRACTOR SHALL PROVIDE: FAUCETS, TRAPS, STOPS, BALL VALVES, BACKFLOW DEVICES FOR KITCHEN EQUIP, GASCOOKS, WATER HAMMER ARRESTORS, CLEANOUT COVERS AND INDIRECT WASTE TO AN APPROVED RECEPTOR AND ALL NECESSARY TRIM FOR A COMPLETELY CONNECTED PLUMBING SYSTEM. (SEE SCHEDULES).
- ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE AND LOCATED AS PER CODE REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE ALL CLEAN OUT LOCATIONS WITH EQUIPMENT, MILLWORK, ETC. PRIOR TO INSTALLATION.
- ALL PLUMBING FIXTURES SHALL BE INSTALLED A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10'-0" FROM OR 3'-0" ABOVE ANY MECHANICAL EQUIPMENT OUTSIDE AIR INTAKE.
- ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS CONNECTED SUPPLY LINE UNLESS OTHERWISE NOTED ON DRAWINGS.
- UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SPORE-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
- PIPING SHALL BE INSTALLED COMPLETE WITH DIELECTRIC UNIONS BETWEEN CONNECTIONS OF NON-FERROUS MATERIALS.
- PROVIDE DIELECTRIC INSULATION FOR COPPER PIPE ANYWHERE IT CONTACTS DISSIMILAR METAL. THIS INCLUDES THE WATER HEATER CONNECTIONS.
- PROVIDE ACCESSIBLE WATER SUPPLY STOP VALVE(S) AT EACH PLUMBING FIXTURE.
- PROVIDE A LINE SIZED PRESSURE REDUCING VALVE AT THE BUILDING SERVICE CONNECTION SHOULD THE SUPPLY PRESSURE EXCEED 80 PSI.
- ALL UNDERGROUND METALLIC PIPE AND FITTINGS SHALL BE PROTECTED IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS.
- NO PIPING SHALL BE DIRECTLY EMBEDDED IN CONCRETE, MASONRY WALLS, OR CONCRETE FOOTINGS.
- THE PLUMBING CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS FOR ALL POINTS OF CONNECTION WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO START OF WORK.
- VERIFY EXACT LOCATIONS, DEPTH AND SIZE OF ALL PIPING TO WHICH CONNECTIONS ARE REQUIRED. COORDINATE ALL CONNECTIONS WITH SITE CONDITIONS AND SITE UTILITY CONTRACTOR/ REPRESENTATIVE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL WORK RELATED TO PLUMBING UTILITIES INCLUDING: TRENCHING, BACKFILL, SUPPORTS, CLEAN-OUT PADS, SERVICE VALVES AND BOXES, SERVICE LINES, TESTING, CLEANING, AND STERILIZING.
- ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATIONS AND NOT LESS THAN 6" ABOVE THE FLOOR TO PROVIDE CLEARANCE FOR CLEANING.
- ALL CUTTING OF EXISTING PAVING, WALLS AND/OR FLOORS SHALL UTILIZE MACHINE SAW CUTTING EQUIPMENT. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL UTILIZE CORE DRILLING EQUIPMENT. COORDINATE WITH ARCHITECTURAL DETAILS FOR FLOOR CUTTING AND PATCHING.
- THE PLUMBING CONTRACTOR IS TO PROVIDE ALL ADDITIONAL STEEL HANGER MATERIALS, RODS AND CLAMPS AS REQUIRED FOR COORDINATION WITH WORK OF OTHER TRADES.
- PIPING LAYOUT IS SCHEMATIC ONLY. EXACT ROUTING AND INSTALLATION OF PIPES TO BE COORDINATED WITH THE BUILDING STRUCTURE AND THE WORK OF OTHER CONTRACTORS. NO WATER OR DRAIN LINES ARE PERMITTED TO BE INSTALLED OVER OR UNDER ELECTRICAL PANELS.
- NO LIQUID TRANSMISSION PLUMBING SHALL BE INSTALLED ABOVE ELECTRICAL SWITCH GEAR, EQUIPMENT, OR PANELS. MAKE ADJUSTMENTS NECESSARY TO REROUTE PIPING FOR ACTUAL INSTALLATION OF ELECTRICAL EQUIPMENT.
- WHENEVER FOUNDATION WALLS, EXTERIOR WALLS, ROOFS, ETC. ARE PENETRATED FOR THE INSTALLATION OF PLUMBING SYSTEMS, THEY SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION AND SEALED WEATHER TIGHT.
- ANY EXPOSED PIPING IN QUEST OF PUBLIC AREAS SHALL BE PAINTED TO MATCH THE WALL COLOR. ANY EXPOSED GAS PIPING IN KITCHENS SHALL BE PAINTED WHITE.
- DURING THE PROCESS OF THE WORK, MAINTAIN AN ACCURATE RECORD OF ALL CHANGES MADE IN THE PLUMBING SYSTEMS. THE RECORD DRAWING SHALL SHOW CHANGES IN MANUFACTURER (WITH NUMBERS AND TRADE NAMES), MATERIALS, SIZES, LOCATIONS AND HOOK-UP POINTS. AS-BUILTS SHALL BE GIVEN TO OWNER'S CONSTRUCTION MANAGER AT COMPLETION OF JOB.
- UPON COMPLETION OF JOB, THE CONTRACTOR SHALL INSPECT ALL EXPOSED PORTIONS OF THE PLUMBING INSTALLATION AND COMPLETELY REMOVE ALL EXPOSED LABELS, SOL, MARKINGS AND FOREIGN MATERIAL EXCEPT PRODUCT LABELS AND THOSE REQUIRED BY LAW.
- PLUMBING CONTRACTOR SHALL BE ON SITE AND PRESENT AT THE DATE OF THE PROJECT TURNOVER.
- PLUMBING CONTRACTOR SHALL PROVIDE MANUFACTURER'S OPERATION LITERATURE FOR ALL INSTALLED EQUIPMENT AND FIXTURES AT THE DATE OF PROJECT TURNOVER.
- ALL PLUMBING FIXTURES SHALL MEET AND BE INSTALLED AT DIMENSIONS REQUIRED BY ACCESSIBILITY STANDARDS FOR HANDICAPPED PERSONS.
- ANY PLASTIC PIPING (PVC PIPE) LOCATED IN A RETURN CEILING SPACE (OPEN CEILING) OR PLENUM SHALL BE ENCLOSED IN OPB OR WRAPPED UNDERGROUND WATER PIPING SHALL BE SOFT COPPER PIPING. THERE SHALL NOT BE ANY UNDERGROUND JOINT FITTINGS.
- ALL UNDERGROUND WATER PIPING SHALL BE 3/4" COPPER PIPING. THERE SHALL NOT BE ANY UNDERGROUND JOINT FITTINGS UNLESS NOTED OTHERWISE.
- ALL PIPING IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR INSTALLED ABOVE SUSPENDED CEILING UNLESS NOTED OTHERWISE.
- ALL FLOOR BRANCHES OFF PIPE RISERS SHALL BE PROVIDED W/ SHUT OFF VALVES AND CAPPED DRAIN CONNECTION.
- INSULATED PIPEROCK SHALL BE INSTALLED SO THAT FULL THICKNESS INSULATION CAN BE APPLIED TO EACH PIPE.
- ALL PIPING INSTALLED ON THE ROOF MUST BE SUPPORTED, WITH PIPE SUPPORTS EVERY 10'-00". PIPE SUPPORT TO BE DURA-BLOCK, CONTRACTOR TO PROVIDE SIZES AND ACCESSORIES REQUIRED.

RENOVATIONS  
1530 Wells St., Las Cruces, NM 88003

Date	Description
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PROJECT NO.  
2026-034

SHEET TITLE  
PLUMBING SYMBS.  
AND ABBREVIATIONS

SHEET NO.

P100



QUALITY | INTEGRITY | EXCELLENCE  
ELECTRICAL | MECHANICAL | PLUMBING | FIRM: F-22315  
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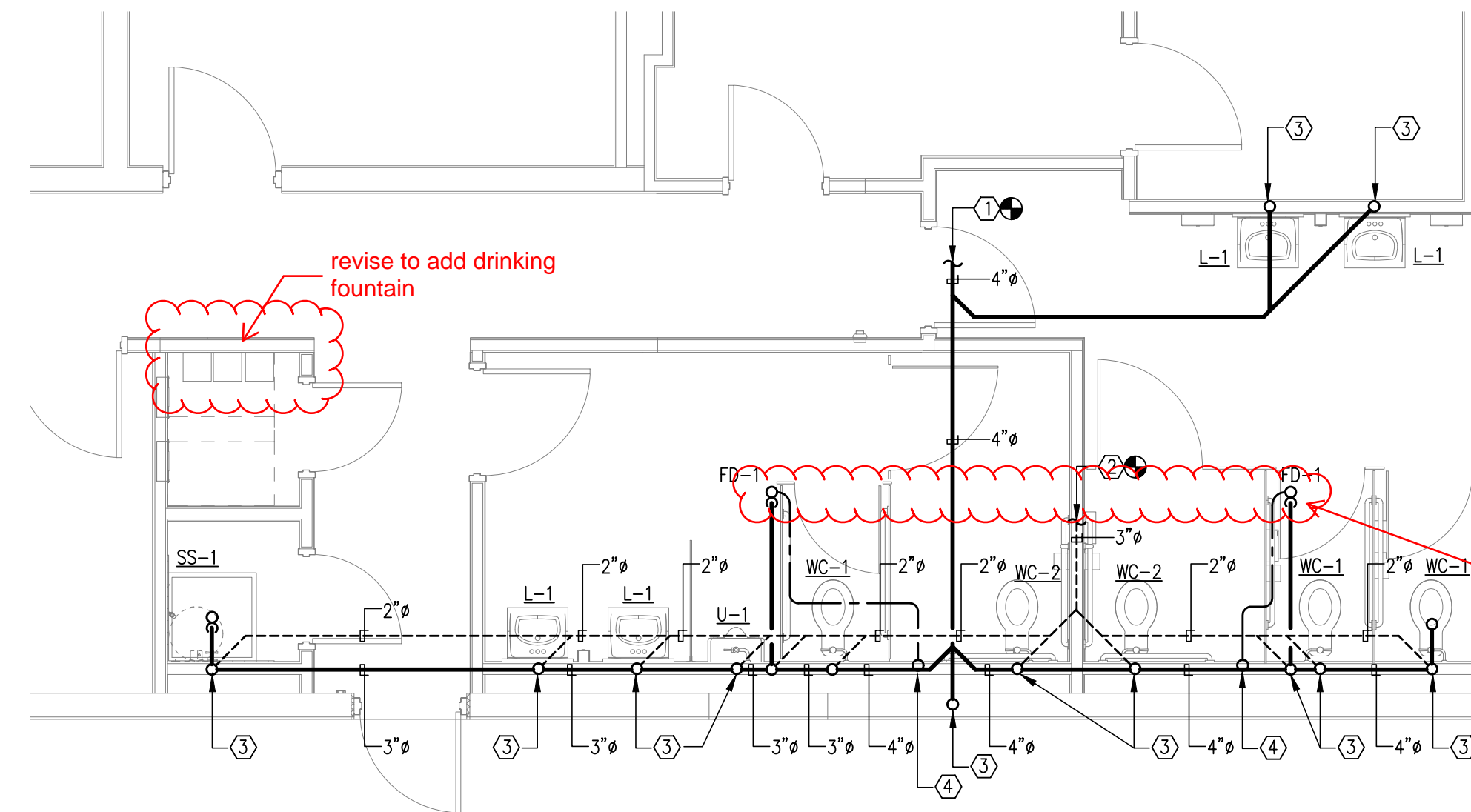
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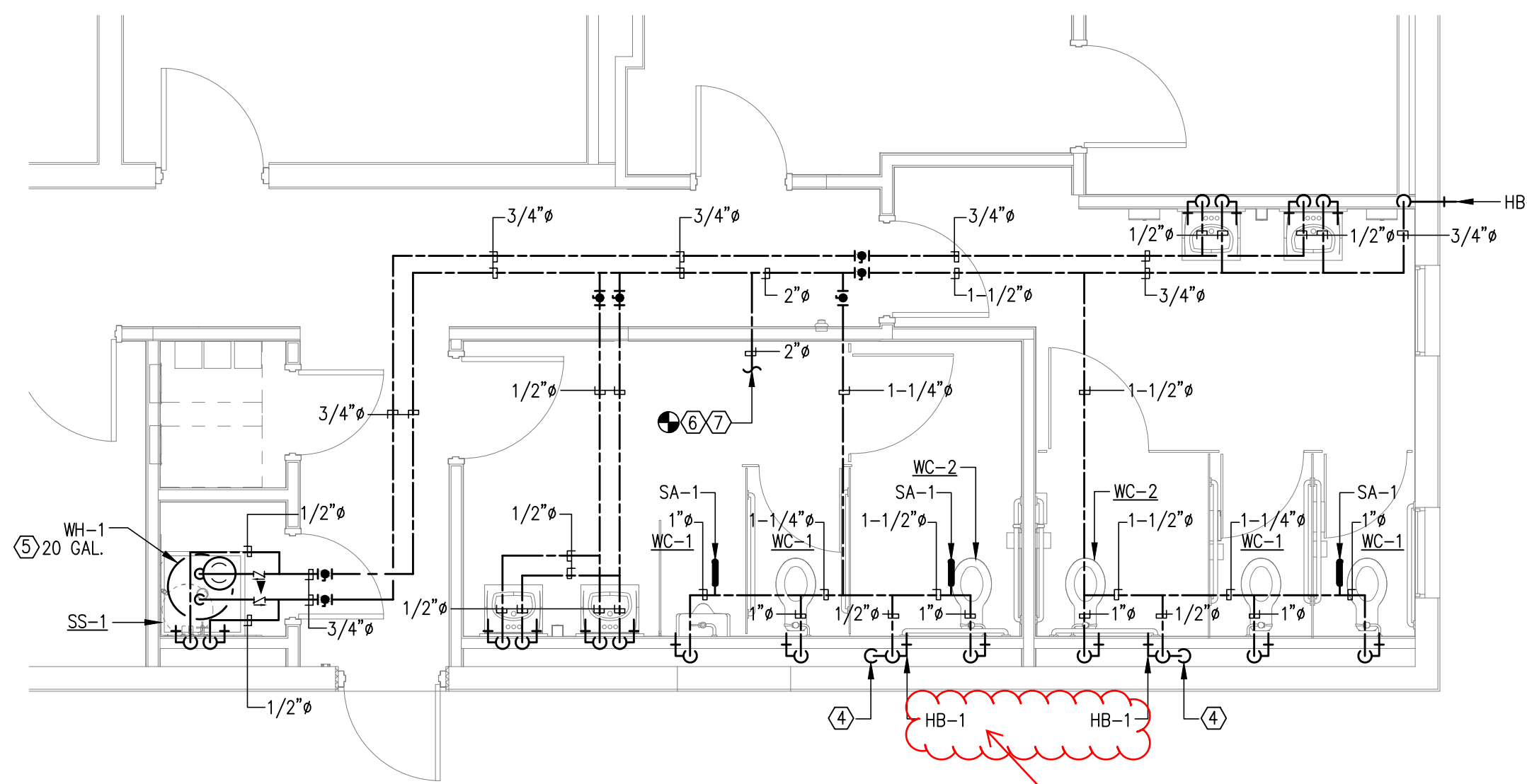
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**P1** OVERALL PLUMBING PLAN  
**P200** 1/4" = 1'-0"



**P2** WASTE AND VENT PLUMBING PLAN  
**P200** 1/4" = 1'-0"



**P3** DOMESTIC WATER PLUMBING PLAN  
**P200** 1/4" = 1'-0"

**NEW WORK KEYED NOTES**

1. POINT OF CONNECTION – PLUMBING CONTRACTOR TO CONNECT NEW WASTE LINE TO EXISTING SEWER MAIN LINE. FIELD VERIFY EXACT INVERT AND LOCATION OF EXISTING SEWER MAIN LINE PRIOR TO COMMENCING ROUGH IN WORK.
2. POINT OF CONNECTION – EXTEND AND RECONNECT NEW SANITARY VENT LINE TO EXISTING SEWER VENT MAIN LINE. FIELD VERIFY EXACT LOCATION OF EXISTING VENT PRIOR TO COMMENCING ROUGH IN WORK.
3. PROVIDE FULL SIZE CLEANOUT.
4. 1/2" COLD WATER UP TO TP-1. PROVIDE ISOLATION VALVE AND 12X12 ACCESS DOOR.
5. EXTEND AND DISCHARGE BOTH T&P DRAIN AND WATER HEATER PAN DRAIN DN. TO 6" ABOVE SERVICE SINK. PROVIDE EXPANSION TANK. PROVIDE 18" PLATFORM.
6. POINT OF NEW CONNECTION – CONTRACTOR EXTEND AND CONNECT TO WATER MAIN AS REQUIRED. CONTRACTOR TO CONNECT NEW 2" DOMESTIC WATER TAP TO MAIN INSIDE BUILDING. FIELD VERIFY EXACT LOCATION OF EXISTING MAIN.
7. PROVIDE PRESSURE REDUCING VALVE IF PRESSURE EXCEEDS 80 PSI. ISOLATION VALVE WITH 12"X12" ACCESS DOOR. (2" WATER MAIN).

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PROJECT NO.  
2026-034

SHEET TITLE  
PLUMBING FLOOR PLANS

SHEET NO.

**P200**



PLUMBING FIXTURE CONNECTION SCHEDULE						
MARK	FIXTURE	CW	HW	W	V	REMARKS
WC-1	WATER CLOSET	3/4"	---	4"	2"	KOHLER MODEL # K-96057, FLOOR MOUNTED, VITREOUS CHINA, ELONGATED BOWL DESIGN, LOW CONSUMPTION, 1.6 GALLON PER FLUSH, FULLY GLAZED 2" BALLPASS TRAP WAY, 1-1/2" TOP SPUD, SIPHON JET FLUSHING, 17-1/2" RIM HEIGHT.
WC-2	WATER CLOSET - ACCESSIBLE	3/4"	---	4"	2"	KOHLER MODEL # K-4368, FLOOR MOUNTED, VITREOUS CHINA, ELONGATED BOWL DESIGN, LOW CONSUMPTION, 1.6 GALLON PER FLUSH, FULLY GLAZED 2" BALLPASS TRAP WAY, 1-1/2" TOP SPUD, SIPHON JET FLUSHING, 17-1/2" RIM HEIGHT.
L-1	LAVATORY-WALL HUNG-ACCESSIBLE	1/2"	1/2"	2"	1-1/2"	KOHLER MODEL # K-1728-0, WALL MOUNTED/CONCEALED ARM CARRIER, VITREOUS CHINA, 20"x 17" OVAL, SELF RIMMING FRONT OVERFLOW, PUNCHED FOR 4" CENTERSET FITTINGS. FAUCET: ZURN AQUASENSE #Z-6915-XL, ADA COMPLIANT, BATTERY POWERED, CHROME PLATED SENSOR FAUCET FOR RETROFIT AND NEW CONSTRUCTION, PROVIDE VANDAL RESISTANT 0.5 AERATOR, INFRARED CONVERGENCE-TYPE PROXIMITY SENSOR, IN-LINE LINE FILTER, 4" "AA" BATTERIES. PROVIDE ADA PIPING PROTECTION SYSTEM FOR P-TRAP AND VALVE ASSEMBLIES. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
U-1	URINAL - ACCESSIBLE	3/4"	3/4"	3"	1-1/2"	KOHLER MODEL # K-5016 ET-0, WALL HUNG, VITREOUS CHINA, LOW CONSUMPTION, 1 GALLON PER FLUSH SIPHON JET FLUSHING, 3/4" TOP INLET SPUD, INSIDE THREADED 2" OUTLET CONNECTION. FLUSH VALVE: ZURN # Z6003-AV-WSI LOW CONSUMPTION, 1 GALLON PER FLUSHING, CHROME PLATED, 3/4" VACUUM BREAKER TUBE, HIGH BACK PRESSURE VACUUM BREAKER. CARRIER: HANGER PLATE CARRIER, PIPE UPRIGHTS, BLOCK BASE FEET. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
SS-1	SERVICE SINK	3/4"	3/4"	3"	1-1/2"	ZURN /JONESPEC MB-2600-24, ONE PIECE MOLDED STONE, 24"x 24"x 10" DEEP WITH CAST BRASS NICKEL BRONZE DOME STRAINER FOR CALCULATED CONNECTION TO 3" PIPE. FAUCET SHALL BE ZURN AQUASENSE #Z692M, CHROME PLATED WITH VACUUM BREAKER/INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAL HOOK AND 3/4" HOSE THREAD ON SPOUT/INLETS. 8" CEN. TO CEN. MOP BRACKET # 889-CC. HOSE AND HOSE BRACKET # 932-AA; 30" FLEXIBLE 5/8" RUBBER HOSE WITH 3/4" CROME COUPLING. BRACKET 5/5 5"x3"
WH-1	WATER HEATER	3/4"	3/4"	---	---	RHEEM/RUUD # EGSP20: 3 KW ELEMENT @ 208 V, 14.4 AMPS; 12 GPH AT 100 DEGREE TEMPERATURE RISE, FACTORY EQUIPMENT WITH AGA/ASME RATED TEMPERATURE AND PRESSURE RELIEF VALVE, 40 GAL. STORAGE CAPACITY. PROVIDE WITH EXPANSION TANK RHEEM/RUUD # RRT-5 OR APPROVED EQUAL. SET TEMPERATURE AT 120F.
HB-1	HOSE BIBB - INTERIOR	---	3/4"	---	---	ZURN # Z1341-P34-PC, POLISHED CHROME WALL FAUCET, ANTI SIPHON WITH EXTERNAL VACUUM BREAKER
HB-2	HOSE BIBB - EXTERIOR	---	3/4"	---	---	WOODFORD MODEL # 65; CHROME FINISH, 3/4" INLET OUTLET, AUTOMATIC DRAINING, FREEZE PROOF, ANTI-SIPHON VACUUM BREAKER, STAINLESS STEEL OPERATING STEM. PROVIDE WITH LOOSE TEE KEY HANDLE.
FD-1	FLOOR DRAIN	1/2"	---	3"	1-1/2"	ZURN # Z-1402; SIZE SAME AS PIPE UP TO 4"
TP-1	TRAP PRIMER	1/2"	---	---	---	PRECISION PLUMBING PRODUCTS # PR-500; PRIME-RITE TRAP PRIMER VALVE. PROVIDE WITH WATER DISTRIBUTION UNIT.
SA-1	SHOCK ABSORBER	*	---	---	---	ZURN SHOKTRON WATER HAMMER ARRESTORS, Z-1700 SERIES.
EQ	FLOOR CLEANOUT	---	---	*	---	ZURN Z-1402; SIZE SAME AS PIPE UP TO 4"
DCQ	DOUBLE CLEANOUT	---	---	*	---	ZURN Z-1402; SIZE SAME AS PIPE UP TO 4"
GCQ	GROUND CLEANOUT	---	---	4"	---	ZURN Z-1402; SIZE SAME AS PIPE UP TO 4"
WCQ	WALL CLEANOUT	---	---	2"	---	ZURN Z-1446 OR APPROVED EQUAL WITH ROUND WALL ACCESS STAINLESS STEEL COVER.

confirm if owner will furnish

Owner furnished, contractor installed

Owner furnished, contractor installed

Owner furnished, contractor installed

Owner furnished, contractor installed

PIPING INSULATION SCHEDULE								
MATERIAL	FLUID OPERATING TEMPERATURE AND USAGE (F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (inches)				
		CONDUCTIVITY Btu-in./h-ft <sup>2</sup> -°F/ft	MEAN RATING TEMPERATURE, °F	<1	1 TO < 1-1/2	1-1/2 TO 4	4 TO 6	≥6
MINERAL FIBER	>350	0.32-0.34	250	4.5	5.0	5.0	5.0	5.0
MINERAL FIBER	251-350	0.29-0.32	200	3.0	4.0	4.5	4.5	4.5
MINERAL FIBER	201-250	0.27-0.30	150	2.5	2.5	2.5	3.0	3.0
CELLULAR GLASS, MINERAL FIBER, FLEXIBLE ELASTOMERIC, POLYOLEFIN	141-200	0.25-0.29	125	1.5	1.5	2.0	2.0	2.0
CELLULAR GLASS, MINERAL FIBER, FLEXIBLE ELASTOMERIC, POLYOLEFIN	105-140	0.21-0.28	100	1.0	1.0	1.5	1.5	1.5
CELLULAR GLASS, MINERAL FIBER, FLEXIBLE ELASTOMERIC, POLYOLEFIN	40-60	0.21-0.27	75	0.5	0.5	1.0	1.0	1.0
CELLULAR GLASS, FLEXIBLE ELASTOMERIC, POLYOLEFIN	<40	0.20-0.26	50	0.5	1.0	1.0	1.0	1.5

add dual height drinking fountain with water bottle filler. confirm with owner if they will provide.

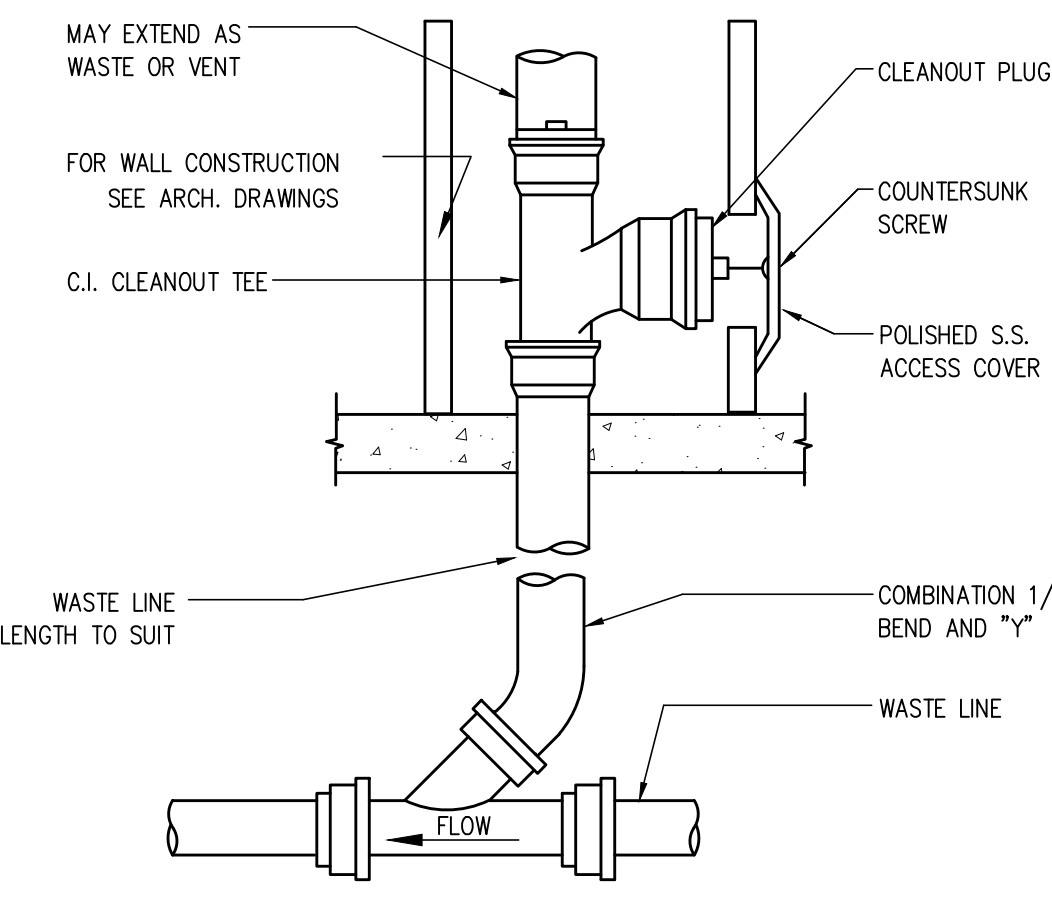
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B

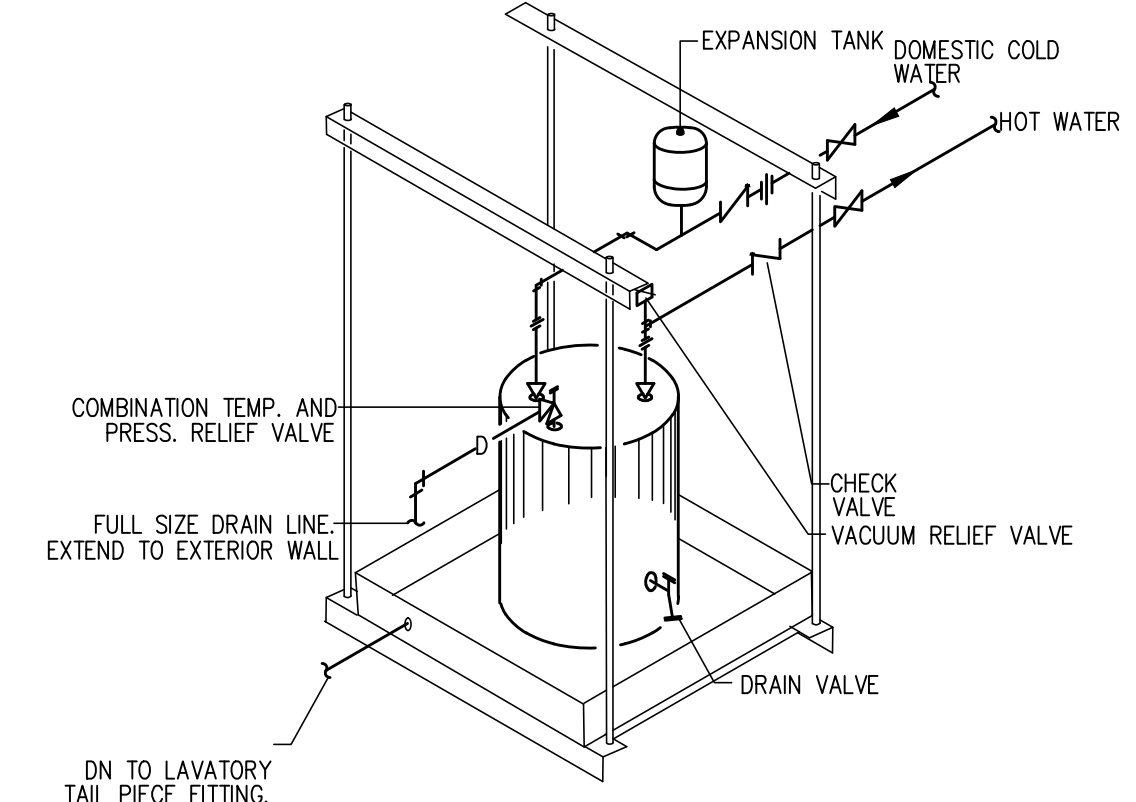
A

PIPING MATERIAL SCHEDULE		
1	DOMESTIC WATER PIPE (ABOVE GROUND)	TYPE "L" HARD DRAWN COPPER TUBING WITH 125 PSI SOLDER JOINTS. COPPER OR BRASS FITTINGS. ALL SOLDER TO BE "NO LEAD" TYPE. ALL DOMESTIC WATER TO BE INSULATED IN COMPLIANCE WITH LOCAL ORDINANCES AND ENERGY CONSERVATION CODES.
2	DOMESTIC WATER PIPE (BELOW GROUND)	TYPE "K" SOFT DRAWN COPPER TUBING WITH BRAZED CONNECTIONS.
3	SEWER AND VENT PIPE (ABOVE AND BELOW GRADE)	2" AND BELOW: SCH. 40 GALV. STL. PIPE WITH SCREWED ENDS OR SCH. 40 PVC WITH SOLVENT JOINTS. ALL SOLDER TO BE "NO LEAD" TYPE. 3" AND ABOVE: SERVICE WT. CAST IRON WITH NO-HUB OR BELL AND SPIGOT JOINTS OR SCH. 40 PVC WITH SOLVENT JOINTS. PVC SHALL NOT BE USED IN AIR PLENUM CEILING AND SHALL NOT CROSS FIRE RATED WALLS, CEILING OR FLOORS.
4	CONDENSATE DRAIN AND INDIRECT DRAINAGE PIPE (INTERIOR TO BUILDING)	PROVIDE TYPE "L" HARD DRAWN COPPER TUBING WITH 125 PSI SOLDER JOINTS. COPPER OR BRASS FITTINGS. ALL SOLDER TO BE "NO LEAD" TYPE OR TYPE "DW" POLYVINYL CHLORIDE PVC PIPING. PVC SHALL NOT BE USED IN AIR PLENUM CEILING AND SHALL NOT CROSS FIRE RATED WALLS, CEILING OR FLOORS.
5	CONDENSATE DRAIN PIPE (EXTERIOR TO BUILDING)	PROVIDE TYPE "L" HARD DRAWN COPPER TUBING WITH 125 PSI SOLDER JOINTS. COPPER OR BRASS FITTINGS. ALL SOLDER TO BE "NO LEAD" TYPE.
6	STORM DRAIN PIPE (ABOVE AND BELOW GRADE)	INSIDE BUILDING SERVICE WEIGHT (HUBLESS) CAST IRON SOL PIPE AND STAINLESS STEEL NO HUB COUPLINGS. INSULATE WITH 1/2" ARMAFLEX CLOSED CELL PIPE INSULATION WITH SELF SEALING ADHESIVE JOINTS, OR EQUIVALENT OR ABS OR PVC PER SPECS.
7	NATURAL GAS PIPE	SCHEDULE 40 BLACK STEEL WITH MALLEABLE IRON FITTINGS. WELDED JOINTS FOR PIPE 2-1/2" AND LARGER AND ALL JOINTS BELOW GRADE.
8	SLEEVE PIPE FOR REFRIGERANT, CO2 AND SYRUP BUNDLES	SCHEDULE 40 PVC EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE, AND MUST BE WATER TIGHT. ALL BENDS MUST BE NO LESS THAN 24" RADIUS SWEEPS. ALLOWED FOR INSTALLATION WHERE APPROVED BY THE JURISDICTION HAVING AUTHORITY. PROVIDE WRITTEN APPROVAL TO THE ARCHITECT/ENGINEER FOR DOCUMENTATION. STUB OUTS TO BE BRASS OR METAL NIPPLES SECURED TO WALLS, PRIOR TO SETTING OF FIXTURES.
9	CPVC AND PEX PIPING	

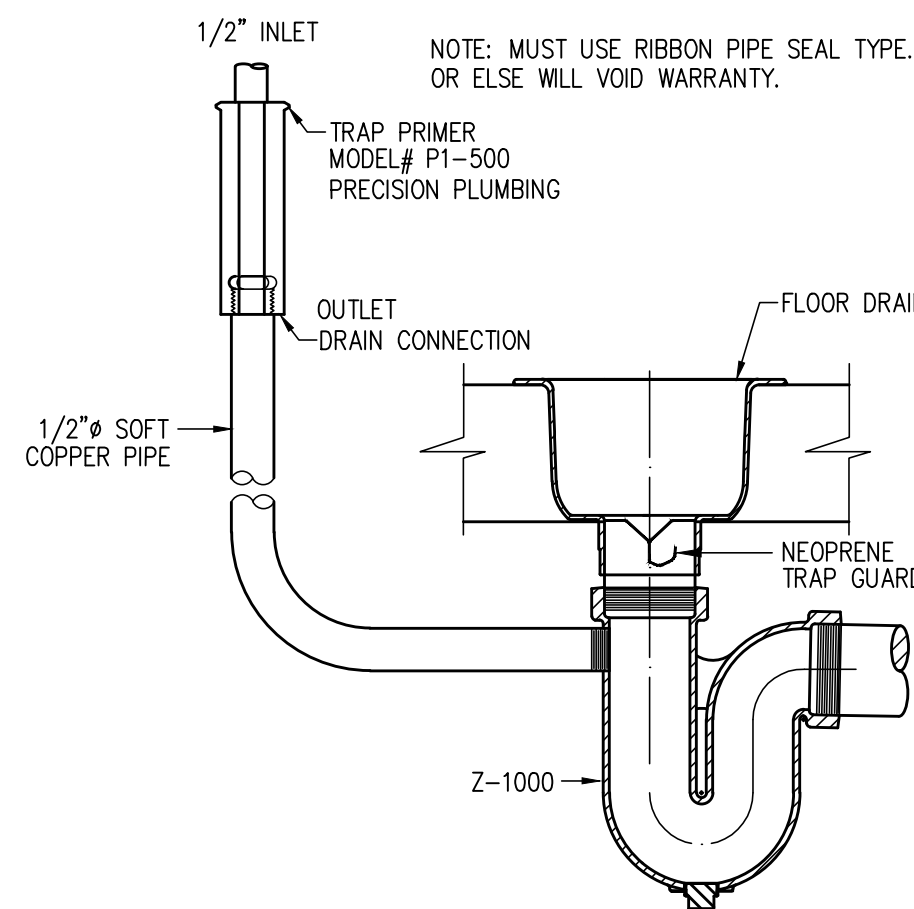
TESTING PROCEDURES	
1	TEST INSTALLED WATER PIPING AT 100 PSI FOR A PERIOD OF 8 HOURS, OBSERVING FOR ANY VISIBLE LEAKS. TEST PIPING AGAIN WITH FIXTURES INSTALLED.
2	CHLORINATE ALL WATER PIPING FOR A PERIOD OF 8 HRS, BY CHARGING WITH A HYPOCHLORINATE SOLUTION TO ACHIEVE A 5 PPM STRENGTH AT THE FIXTURE FURTHEST FROM THE POINT OF APPLICATION. UPON COMPLETION OF THE CHLORINATION, FLUSH ALL PIPING UNTIL NO CHLORINE CAN BE DETECTED BY TASTE. CLEAN ALL STRAINERS AND SET WATER FLOWS FROM FIXTURES IN ACCORDANCE WITH MANUFACTURER AND LOCAL REQUIREMENTS.
3	TEST INSTALLED GAS PIPING AT 60 PSI FOR A PERIOD OF 2 HRS, USING SOAP AND WATER OBSERVING FOR ANY VISIBLE LEAKS AT ALL JOINTS.
4	TEST INSTALLED WASTE AND VENT PIPING FOR A PERIOD OF 8 HRS, BY CAPPING OR PLUGGING ALL JOINTS TO A LEVEL OF THE HIGHEST FIXTURE OR FITTING. FILL THE SYSTEM WITH WATER AND OBSERVE FOR ANY LEAKS.



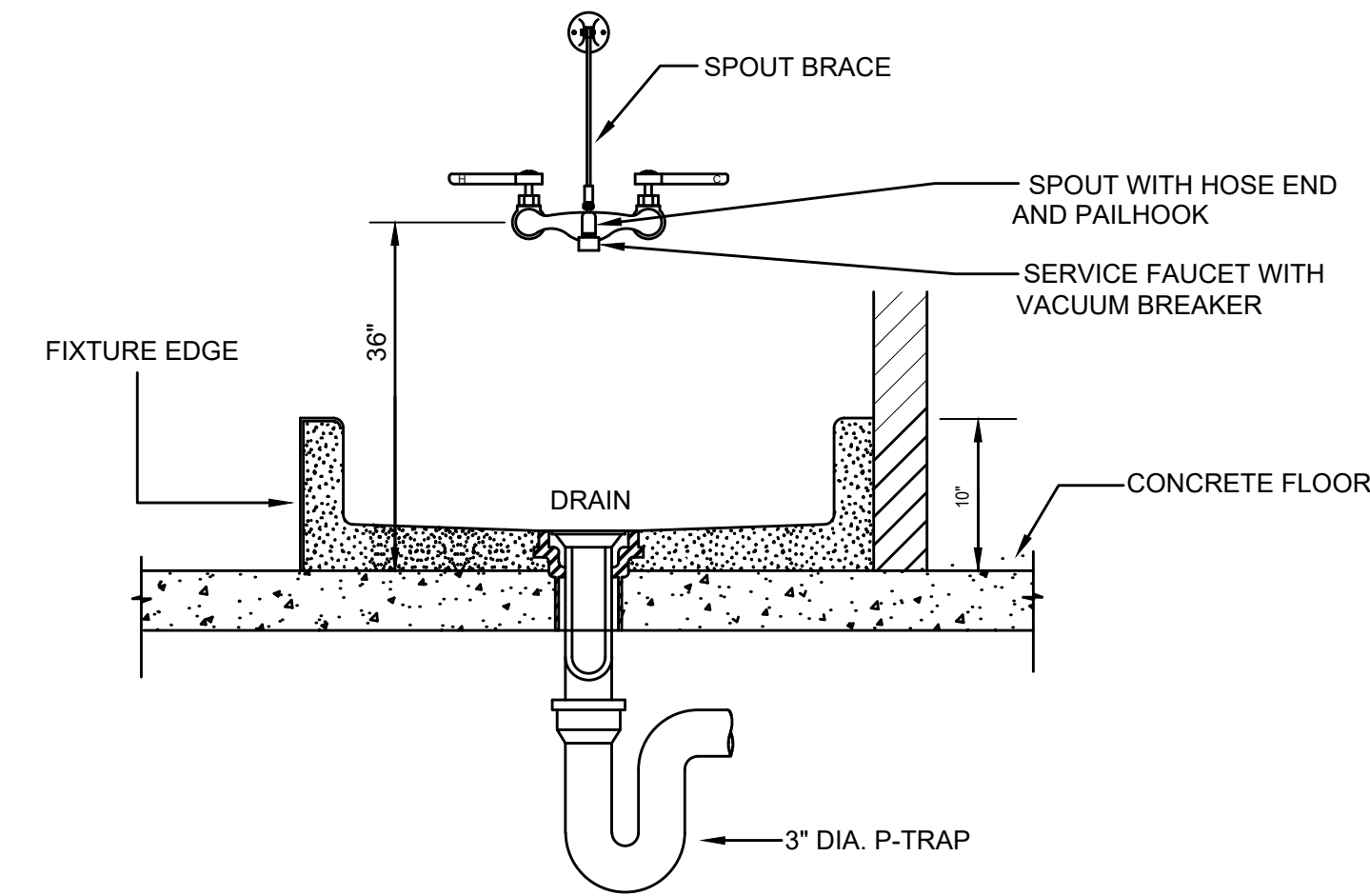
1 WALL CLEAN OUT SCHEMATIC SCALE: NONE



2 ELECTRIC WATER HEATER DETAIL SCALE: NONE

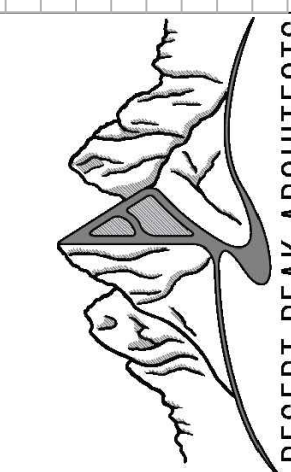


3 TRAP PRIMER DETAIL SCALE: NONE



4 MOP SINK SCHEMATIC SCALE: NONE

Mark	Description	Date
03/26/2026 <td>CONSTRUCTION DOCUMENTS <td></td> </td>	CONSTRUCTION DOCUMENTS <td></td>	



DESERT PEAK ARCHITECTS P.C.  
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NOT FOR CONSTRUCTION

PROJECT NO.  
2026-034

SHEET TITLE  
PLUMBING DETAILS  
AND SCHEDULES

SHEET NO.

P3.0

ELECTRICAL SPECIFICATIONS

- THE ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE AND ADOPTED PROVISIONS OF THE NATIONAL ELECTRICAL CODE, ENERGY CODE AS ADOPTED AND INTERPRETED BY THE STATE OF TEXAS AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) REGULATIONS, CURRENT ADOPTED EDITION REGARDING MECHANICAL SYSTEMS, FIRE SYSTEMS AND ELECTRICAL SYSTEMS. ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH RULES, REGULATIONS AND ORDINANCES SHALL BE PROVIDED. WHERE THE DRAWINGS INDICATE MATERIALS OR CONSTRUCTION IN EXCESS OF CODE REQUIREMENTS, THE OWNER, ARCHITECT AND ENGINEERS FREE AND HARMLESS FROM LIABILITY OF ANY NATURE OR KIND ARISING FROM HIS FAILURE TO COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.
- THE CONTRACTOR SHALL COORDINATE NEW ELECTRICAL SERVICE WITH EL PASO ELECTRIC COMPANY, CONTRACTOR SHALL BE RESPONSIBLE FOR NON-CONTRACT COSTS ASSOCIATED WITH PROVIDING NEW ELECTRICAL SERVICE, INCLUDING BUT NOT LIMITED TO UTILITY COMPANY FEES, PERMITS, INSPECTIONS, METERS, TRANSFORMER AND SERVICE CONNECTION. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH EL PASO ELECTRIC AND GOVERNING AUTHORITY TO ENSURE TIMELY INSTALLATION AND ACTIVATION OF THE NEW ELECTRICAL SERVICE.
- ALL WORK SHALL CONFIRM WITH FEDERAL, STATE, AND LOCAL CODES, RULES, AND REGULATIONS. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE SYSTEMS SHALL BE INSTALLED COMPLETE AND FULLY OPERATIVE UNLESS OTHERWISE INDICATED
- ALL MATERIALS SHALL BE NEW EXCEPT WHERE NOTED OTHERWISE. ALL WORK SHALL PRESENT A NEAT AND MECHANICAL APPEARANCE WHEN COMPLETED AND SHALL BE EXECUTED IN A WORKMANLIKE MANNER.
- REQUIRED INSURANCE SHALL BE PROVIDED BY THIS CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF WORK. CONTRACTOR SHALL SECURE AND PAY ALL PERMITS, FEES, INSPECTIONS, AND TESTS UNLESS OTHERWISE INDICATED. COORDINATE WITH ARCHITECT, ENGINEER OR OWNER. SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THE CONTRACTOR.
- CONTRACTOR SHALL SUBMIT SPECIFIC INFORMATION ON LIST OF EQUIPMENT AND PRINCIPAL MATERIAL SPECIFIED. CONTRACTOR SHALL INDICATE AND/OR PROVIDE NAME OF MANUFACTURERS, CATALOG AND MODEL NUMBERS, CUT SHEETS, AND SUCH SUPPLEMENTARY INFORMATION AS NECESSARY FOR EVALUATION. MINIMUM OF SIX (6) COPIES, OR AS DIRECTED BY THE ENGINEER, OF EACH SECTION SHALL BE SUBMITTED AND SHALL INCLUDE ALL ITEMS MENTIONED BY MODEL NUMBER AND/OR MANUFACTURER'S NAME IN THE SPECIFICATION OR IN SCHEDULES ON THE DRAWINGS. ALLOW MAXIMUM OF 14 DAYS FOR SUBMITTAL RESPONSE.
- PROVIDE THE OWNER WITH THREE (3) COPIES OF ALL INSTALLATIONS INSTRUCTIONS, PRODUCT DATA SUBMITTAL INFORMATION, WARRANTIES, CONTACT INFORMATION DURING WARRANTY PERIOD AND BALANCING REPORTS IN 3-RING BINDERS.
- ALL SYSTEMS AND COMPONENTS SHALL BE APPROVED FOR THE PURPOSE FOR WHICH INSTALLED. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND FROM ESTABLISHED AMERICAN SUPPLIERS UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL COORDINATE WITH OWNER, ARCHITECT, AND OR ENGINEER ANY WORK THAT HAS THE POTENTIAL TO HINDER ELECTRICAL SERVICES TO AREA OUTSIDE OF THIS CONTRACT. ALL SHUT-DOWNS OR TIENS RELATING TO THESE SYSTEMS SHALL BE SCHEDULED AND SUBMITTED IN WRITING TO BE APPROVED BY THE OWNER'S FACILITY MANAGEMENT, OWNER, ARCHITECT, OR ENGINEER. CONTRACTOR SHALL SUBMIT IN WRITING A SCHEDULE FOR PHASING OF CONSTRUCTION THAT INDICATES AREAS OF FIRST PRIORITY DURING EACH PHASE AND ANTICIPATED COMPLETION TIMES. SCHEDULES SHALL BE SUBMITTED A MINIMUM OF ONE WEEK PRIOR TO COMMENCING WORK. FACILITY MANAGEMENT, OWNER, ARCHITECT OR ENGINEER SHALL REVIEW THESE SCHEDULES AND NOTIFY CONTRACTOR OF ACCEPTANCE PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND PROVIDE A WRITTEN REPORT TO THE ARCHITECT OFFICE. THIS REPORT SHALL DESCRIBE EXISTING DAMAGE OR OTHER CONDITIONS THAT MAY INTERFERE WITH THIS PROPOSED NEW WORK. THIS SITE SURVEY SHALL ALSO INCLUDE VERIFICATION OF SIZES, LOCATIONS, AND CONDITIONS OF EXISTING UTILITIES.
- ALL WIRING SHALL BE COPPER OR ALUMINUM SIZED PER NEC 310, RUN CONDUCTOR IN CONDUIT, INTERMEDIATE METALLIC CONDUIT (IMC) OR ELECTRICAL METALLIC TUBING (EMT) AND OR MC CABLE INSTALLED IN ACCORDANCE WITH THE NEC. ALUMINUM CONDUIT SHALL NOT BE USED UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS. EMT AND/OR ALUMINUM CONDUIT SHALL NOT BE INSTALLED IN CONCRETE SLABS OR BELOW GRADE. MINIMUM SIZE - 1/2" INCH. ALL CONDUITS CONTAINING POWER CONDUCTORS SHALL CONTAIN A EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH THE NEC. A #9 PULL WIRE SHALL BE INSTALLED IN EACH EMPTY CONDUIT.
- INCREASE BRANCH CIRCUIT WIRE SIZE FOR LARGE EQUIPMENT, I.E. 220V, 1 PHASE, 208V, 1 PHASE AND/OR 208V, 3 PHASE EQUIPMENT AS REQUIRED TO PREVENT EXCESSIVE VOLTAGE DROP AS FOLLOWS: 60' TO 100' - #10 AWG; OVER 100' - #8 AWG.
- USE THE FOLLOWING WIRING COLOR CODE:
 

120/208	277/480
PHASE A BLACK	BROWN
PHASE B RED	ORANGE
PHASE C BLUE	YELLOW
NEUTRAL WHITE	GRAY
GROUND GREEN	GREEN
SWITCH PINK/PURPLE	PINK/PURPLE
- BURIED ELECTRICAL CONDUITS SHALL BE MARKED PER CODE REQUIREMENTS WITH UNDERGROUND WARNING TAPE 3" BELOW FINISHED GRADE. TAPE SHALL BE 4" WIDE COLORED RED WITH SUITABLE WARNING LEGEND PER ASMB A13.1.
- ENCLOSURES, BOXES AND COVERS ARE REQUIRED TO CONFORM TO ALL TEST PROVISIONS OF THE MOST CURRENT ANSI/SCTE77. WHEN MULTIPLE "TIERS" ARE SPECIFIED THE BOXES MUST PHYSICALLY ACCOMMODATE AND STRUCTURALLY SUPPORT COMPATIBLE COVER WHILE POSSESSING THE HEIGHT TIER RATING. ALL COVERS ARE REQUIRED TO HAVE THE TIER LEVEL RATING EMBOSSED ON THE SURFACE. IN NO ASSEMBLY CAN THE COVER DESIGN LOAD EXCEED THE DESIGN LOAD OF THE BOX. ALL COMPONENTS IN AN ASSEMBLY (BOX & COVER) ARE MANUFACTURED USING MATCHED SURFING TOOLING. INDEPENDENT THIRD PARTY VERIFICATION OR TEST REPORTS STAMPED BY A REGISTERED PROFESSIONAL ENGINEER CERTIFYING THAT ALL TEST PROVISIONS OF THIS SPECIFICATION HAVE BEEN MET ARE REQUIRED WITH EACH SUBMITTAL. CONTRACTOR TO ENSURE THE LOCATION AND PLACEMENT OF BOXES AND COVERS AND PROVIDE THE RATING REQUIRED BY LOCAL AND NATIONAL CODES.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR THE EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS.

- THE CONTRACTOR SHALL FAMILIARIZE THEMSELV WITH PROJECT PRIOR TO THE BID OPENING, TO ALLOW HIM TO SUBMIT A COMPLETE BID WITHIN THE SCOPE OF THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS ARISING DURING THE BID PERIOD, IN REGARD TO THE CONTRACTOR'S JUNCTIONS, THE SCOPE OF THE WORK OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE ENGINEER FOR CLARIFICATION PRIOR TO AWARD OF CONTRACT.
- IT WILL BE THE CONTRACTOR'S OBLIGATION TO INCLUDE, IN THEIR BID, THE COSTS FOR INSTALLING JUNCTION BOXES, PROVIDING MISCELLANEOUS COVERS, WORK WITH OTHER DISCIPLINES WHERE THE CONTRACT INVOLVES ELECTRICAL POWER OR CONTROL CONNECTIONS, SWITCHES, ETC. ALL OF THIS WORK SHALL BE PART OF THIS CONTRACT.
- CONTRACTOR SHALL INSTALL PULL AND JUNCTION BOXES WHEREVER REQUIRED BY N.E.C. OR JOB CONDITIONS. ALL NEW WIRING SHALL BE TAGGED AT ALL PULL BOXES, JUNCTION BOXES, EQUIPMENT BOXES AND CABINETS WITH APPROVED PLASTIC TAGS. ACTION CRAFT, BRADY OR APPROVED EQUAL.
- SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION GIVEN ON THE DRAWINGS, THEN IT WILL BE THEIR RESPONSIBILITY TO NOTIFY THE ENGINEER FOR CLARIFICATION, PRIOR TO COMMENCING SUCH WORK.
- INSTALL BLANK DEVICE PLATES ON ALL UNUSED JUNCTION BOXES IN FINISHED AREAS.
- WHEREVER REQUIRED, FURNISH AND INSTALL ON WALL OR CEILING FREESTANDING UNISTRUT CHANNELS, ANGLE IRONS OR ANY OTHER SUPPORT STRUCTURE WITH THREADED ROD HANGERS AS REQUIRED FOR THE SUPPORT OF ELECTRICAL EQUIPMENT OF ANY KIND TO ENSURE PROPER INSTALLATION.
- MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES FOR EXACT HEIGHT REQUIRED. THIS REQUIREMENT ALSO APPLIES TO THE LOCATION OF WALL BOXES FOR HVAC SENSORS, T-STATS, ETC. ANY THIS NOTE APPLIES TO ALL ELECTRICAL SHEETS IN THESE DRAWINGS. OUTLET DEVICES THAT HAVE TO BE RELOCATED DUE TO COUNTERTOP, CHALKBOARD, TACKBOARD, TYPE CONFLICTS WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
- MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES FOR EXACT HEIGHT REQUIRED. THIS REQUIREMENT ALSO APPLIES TO THE LOCATION OF WALL BOXES FOR HVAC SENSORS, T-STATS, ETC. ANY THIS NOTE APPLIES TO ALL ELECTRICAL SHEETS IN THESE DRAWINGS. OUTLET DEVICES THAT HAVE TO BE RELOCATED DUE TO COUNTERTOP, CHALKBOARD, TACKBOARD, TYPE CONFLICTS WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
- ALL EXPOSED CONDUIT SHALL BE PAINTED TO MATCH ARCHITECTURAL WALL OR CEILING.
- CONTRACTOR SHALL SAW CUT AND PATCH ASPHALT, CONCRETE OR OTHER MATERIAL ENCOUNTERED AS REQUIRED TO INSTALL NEW UNDERGROUND RACEWAY. REFER TO ARCHITECTURAL REGARDING PATCHING REQUIREMENTS.
- ALL RECEPTACLES TO BE 20A COMMERCIAL GRADE, WHITE. WALL PLATES TO MATCH. ISOLATED GROUND DUPLEX RECEPTACLES (IG) WILL BE ORANGE BODY AND FACE PLATE.
- FIRESTOPPING OF PENETRATIONS IN FIRE-RATED WALLS, FLOORS, etc. SHALL BE DONE BY A FIRESTOPPING CONTRACTOR. ELECTRICAL CONTRACTOR SHALL MAKE REQUIRED PENETRATIONS IN RATED WALLS, FLOORS, etc. NEATLY AND WITH A CUTTING TOOL, THE CONTRACTOR SHALL MAKE THE PENETRATIONS NO LARGER THAN NECESSARY, AND THE CONTRACTOR SHALL COORDINATE ALL SUCH PENETRATIONS WITH THE FIRE STOPPING CONTRACTOR BEFORE SUCH PENETRATIONS ARE MADE.
- PROVIDE 3/4" CONDUIT WITH PULLSTRING FROM COMMUNICATION OUTLETS TO ABOVE SUSPENDED CEILING.
- BEFORE INSTALLATION, EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, ANY DEVICE WITH ELECTRICAL CONNECTIONS, DUCTWORK, INSULATION, PIPING, VALVES, AIR DEVICES, ETC., SHALL NOT BE STORED DIRECTLY ON GRADE OR ON A SLAB OR FLOOR. BEFORE AND AFTER INSTALLATION, SUCH EQUIPMENT AND DEVICES SHALL BE PROTECTED FROM ENTRY OF DIRT, TRASH, WATER (EXCEPT AS REQ'D), VERMIN, ETC..
- DEVICES THAT MIGHT CAUSE OR OPERATE WITH VIBRATION OR NOISE SHALL BE ISOLATED PER MANUFACTURER'S RECOMMENDATIONS.
- ALL GFCI RATED RECEPTACLE SHALL BE INSTALLED IN AN ACCESSIBLE SERVICE LOCATION, IT SHALL NOT BE INSTALLED BEHIND ANY EQUIPMENT. IF NEEDED CONTRACTOR SHALL HAVE THE OPTION TO PROVIDE A GFCI RATED CIRCUIT BREAKER WHERE REQUIRED BY CODE. ALL EQUIPMENT GFCI RATED RECEPTACLES SHALL NOT BE INSTALLED MORE THAN 12" FROM SURFING EQUIPMENT. COORDINATE ALL LOCATIONS WITH EQUIPMENT INSTALLER BEFORE DOING ANY WORK.
- BEFORE INSTALLATION, EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, ANY DEVICE WITH ELECTRICAL CONNECTIONS, DUCTWORK, INSULATION, PIPING, VALVES, AIR DEVICES, ETC., SHALL NOT BE STORED DIRECTLY ON GRADE OR ON A SLAB OR FLOOR. BEFORE AND AFTER INSTALLATION, SUCH EQUIPMENT AND DEVICES SHALL BE PROTECTED FROM ENTRY OF DIRT, TRASH, WATER (EXCEPT AS REQ'D), VERMIN, ETC..
- DEVICES THAT MIGHT CAUSE OR OPERATE WITH VIBRATION OR NOISE SHALL BE ISOLATED PER MANUFACTURER'S RECOMMENDATIONS.
- MC WIREWAYS ALLOWED INSIDE WALL.
- ALL EXPOSED WIRING SHALL BE IN EMT CONDUIT PAINTED TO MATCH WALL COLOR.
- CONTRACTOR TO PROVIDE ALL REQUIRED COMPONENTS FOR AUTOMATIC RECEPTACLE CONTROL PER IECC C405.11/C405.12 AND ASHRAE 90.1 SECTION 8.4.2. FOR ALL PRIVATE OFFICES, OPEN OFFICES AND WORKSTATIONS, COMPUTER ROOM, BREAK ROOMS AND PRINTER/COPIER ROOMS. PROVIDE A SPDT DUPLEX RECEPTACLE WITH A HOT TERMINAL WPLT WITH PLUG CONTROLLED. PLUG CONTROL RECEPTACLE SHALL BE MARKED PER IECC C405.11/C405.12. POWER PAK SHALL BE CONTROLLED BY AREA OCCUPANCY SENSOR OR PROVIDE AN ADDITIONAL OCCUPANCY SENSOR OR PLUG LOAD.
- LOCATION OF EQUIPMENT AND OTHER DEVICES SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED, COORDINATE WITH ARCHITECTURAL DOCUMENTS FOR EXACT LOCATIONS.
- THE MEANS OF EGRESS TRAVEL SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH A LIGHT INTENSITY OF NOT LESS THAN 1 FOOT CANDLE AT THE FLOOR LEVEL.
- CONTRACTOR SHALL SAW CUT AND PATCH ASPHALT, CONCRETE OR OTHER MATERIAL ENCOUNTERED AS REQUIRED TO INSTALL NEW UNDERGROUND RACEWAY. REFER TO ARCHITECTURAL REGARDING PATCHING REQUIREMENTS.
- CONTRACTOR TO PROVIDE LIGHTING CONTROLS TO MEET IECC AND ASHRAE 90.1 REQUIREMENTS, INCLUDING OCCUPANCY SENSING, DAYLIGHT HARVESTING, TIME SCHEDULING, AND MANUAL CONTROL WHERE REQUIRED, DIMMERS, RELAYS, LOW-VOLTAGE WIRING, AND ASSOCIATED COMPONENTS FOR A FULLY FUNCTIONAL SYSTEM.

2

3

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	MECHANICAL EQUIPMENT DESIGNATION - SEE MECHANICAL EQUIPMENT SCHEDULE
WP	WEATHERPROOF
AFF	ABOVE FINISH FLOOR
R	DEMOTES RED DEVICE FOR EMERGENCY PURPOSES.
EM	EMERGENCY
E OR EX	EXISTING
UNO	UNLESS NOTED OTHERWISE
IG	ISOLATED GROUND
GFI	GROUND FAULT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
	WALL LIGHT FIXTURE. LETTER DENOTES TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	ROUND RECESSED DOWNLIGHT. LETTER DENOTES TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	IN-GRADE RECESSED DOWNLIGHT. LETTER DENOTES TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	1'X4' FLANGED OR SURFACE MOUNTED LIGHT FIXTURE AND OUTLET. LETTER TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	2'X4' FLANGE OR SURFACE MOUNTED LIGHT FIXTURE LETTER DENOTES TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	2'X4' FLANGE OR SURFACE MOUNTED LIGHT FIXTURE LETTER DENOTES TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	FLANGE OR SURFACE MOUNTED 2X2 FLUORESCENT OR HID FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	WALL/CEILING MOUNTED EXIT FIXTURE, WITH DIRECTIONAL INDICATOR. LETTER DENOTES TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	WALL/CEILING MOUNTED EXIT/EMERGENCY COMBO FIXTURE WITH DIRECTIONAL INDICATOR. LETTER DENOTES TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	CEILING FAN WITH LED LIGHTING KIT AND PENDANT MOUNT KIT, 30" DIAMETER LETTER DENOTES TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	TRACK LIGHT SYSTEM, 120V, WITH 4' TRACK RAIL AND MIN. OF (4) LED LIGHT HEADS, UNLESS OTHER WISE NOTED, LETTER DENOTES TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	BOLLARD LIGHT, LETTER DENOTES TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	PENDANT LIGHT, LETTER DENOTES TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	JUNCTION BOX INSTALLED ABOVE THE CEILING WITH FLEXIBLE CONDUIT CONNECTION TO LAY-IN FIXTURES. MAXIMUM 6'-0" LENGTH OF CONDUIT WITH REQUIRED CONDUCTORS ALONG WITH GREEN WIRE GROUND.
	SELF-CONTAINED TWO-HEAD EMERGENCY BATTERY PACK FIXTURE. LETTER DENOTES TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	POLE MOUNTED LIGHT FIXTURE, LETTER DENOTES TYPE, TYPE AS INDICATED IN FIXTURE SCHEDULE.
	GROUND MOUNTED FLOOD FIXTURE. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	SINGLE POLE WALL SWITCH. FLUSH MOUNTED UP 44" AFF UNLESS OTHERWISE INDICATED
	THREE WAY WALL SWITCH. FLUSH MOUNTED UP 44" AFF UNLESS OTHERWISE INDICATED
	KEYED WALL SWITCH. FLUSH MOUNTED UP 44" AFF UNLESS OTHERWISE INDICATED
	DIMMER SWITCH. 0-10V, 120V, FLUSH MOUNTED UP 44" AFF UNLESS OTHERWISE INDICATED.
	THREE-WAY DIMMER SWITCH. 0-10V, 120V, FLUSH MOUNTED UP 44" AFF UNLESS OTHERWISE INDICATED.
	VOLUME CONTROL SWITCH. FLUSH MOUNTED UP 44" AFF UNLESS OTHERWISE INDICATED.
	DUAL TECHNOLOGY OCCUPANCY SENSOR. FLUSH MOUNTED UP 44" AFF, UNLESS OTHERWISE NOTED.
	OCCUPANCY SENSOR BACK UP SWITCH BUTTON, MOUNTED AT 44" AFF, UNLESS OTHERWISE NOTED.
	DUAL TECHNOLOGY OCCUPANCY SENSOR WITH 0-10V DIMMING. FLUSH MOUNTED UP 44" AFF, UNLESS OTHERWISE NOTED.
	MULTI-TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR, 360° RANGE MAJOR MOTION, 2,000 SQ. FT. RANGE.
	DUPLEX RECEPTACLE, 20A, 120V, COMMERCIAL GRADE, FLUSH MOUNTED UP 18" AFF, UNLESS OTHERWISE NOTED.
	CHILD PROOF DUPLEX RECEPTACLE, 20A, 120V, COMMERCIAL GRADE, FLUSH MOUNTED UP 18" AFF, OTHERWISE NOTED. OTHERWISE NOTED.
	EMERGENCY DUPLEX RECEPTACLE, 20A, 120V, HOSPITAL GRADE, COLOR RED WITH RED COVER FLUSH MOUNTED AT 18" AFF, UNLESS OTHERWISE NOTED.
	ISOLATED GROUND DUPLEX RECEPTACLE, 20A, 120V, COMMERCIAL GRADE, COLOR ORANGE WITH RED COVER FLUSH MOUNTED AT 18" AFF, UNLESS OTHERWISE NOTED.
	WEATHER RESISTANT, GFCI, DUPLEX RECEPTACLE, 20A, 120V, COMMERCIAL GRADE, FLUSH MOUNTED AT 18" AFF, UNLESS OTHERWISE NOTED.
	GFCI, DUPLEX RECEPTACLE, 20A, 120V, SELF TEST, COMMERCIAL GRADE, FLUSH MOUNTED AT 18" AFF, UNLESS OTHERWISE NOTED.
	QUADRUPLEX RECEPTACLE, 20A, 120V, COMMERCIAL GRADE, FLUSH MOUNTED UP 18" AFF, UNLESS OTHERWISE NOTED.
	GFCI RECEPTACLE, 20A, 120V, COMMERCIAL GRADE, FLUSH MOUNTED UP 44" AFF, UNLESS OTHERWISE NOTED.
	WIRING DEVICE AS INDICATED, 30A, 1PH, 208V OUTLET, MOUNTED AT 18" AFF, UNLESS OTHERWISE NOTED.
	JUNCTION BOX WITH COVER.
	TWO COMPARTMENT FLOOR OUTLET, PVC ENCLOSURE WITH BRASS COVER. INCLUDE MINIMUM OF DUPLEX RECEPTACLE AND PHONE/DATA DEVICE. UNLESS OTHER WISE NOTED.
	COMBINATION VOICE/DATA OUTLET, PROVIDE 4" SQUARE BOX X 2-1/8" DEEP WITH DEVICE COVER 3/4" CONDUIT WITH PULLSTRING TO ACCESSIBLE CEILING, FLUSH MOUNTED UP 18" AFF UNLESS OTHERWISE INDICATED
	TV OUTLET, PROVIDE 4" SQUARE BOX X 2-1/8" DEEP WITH DEVICE COVER 3/4" CONDUIT WITH PULLSTRING TO ACCESSIBLE CEILING, FLUSH MOUNTED UP 18" AFF UNLESS OTHERWISE INDICATED
	TELEPHONE SYSTEM OUTLET, PROVIDE 4" SQUARE BOX X 2-1/8" DEEP WITH DEVICE COVER 3/4" CONDUIT WITH PULLSTRING TO ACCESSIBLE CEILING, FLUSH MOUNTED UP 18" AFF UNLESS OTHERWISE INDICATED
	HVAC THERMOSTAT, PROVIDE 4" SQUARE BOX X 2-1/8" DEEP WITH SINGLE GANG COVER, 1/2" CONDUIT WITH PULLSTRING TO ACCESSIBLE CEILING, FLUSH MOUNTED UP 44" AFF UNLESS OTHERWISE INDICATED
	HVAC DUCT DETECTOR TEST SWITCH, PROVIDE 4" SQUARE BOX X 2-1/8" DEEP WITH SINGLE GANG COVER, 1/2" CONDUIT WITH PULLSTRING TO ACCESSIBLE CEILING, FLUSH MOUNTED UP 44" AFF UNLESS OTHERWISE INDICATED
	STOP/START CONTROL STATION, MAINTAINED, WALL MOUNTED AT 44" AFF UNLESS OTHERWISE NOTED.

4

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	FIRE ALARM MANUAL PULL STATION, PROVIDE 4" SQUARE BOX X 2-1/8" DEEP WITH DEVICE COVER, INSTALL 3/4" CONDUIT WITH PULLSTRING TO ACCESSIBLE CEILING, FLUSH MOUNTED UP 44" AFF, UNLESS OTHERWISE INDICATED
	FIRE ALARM STROBE VISUAL SIGNAL, PROVIDE 4" SQUARE BOX X 2-1/8" DEEP WITH DEVICE COVER, INSTALL 3/4" CONDUIT WITH PULLSTRING TO ACCESSIBLE CEILING, LETER DENOTES CANDEL LIGHT RATING FLUSH MOUNTED UP 80" AFF
	FIRE ALARM HORN-STROBE VISUAL SIGNAL, PROVIDE 4" SQUARE BOX X 2-1/8" DEEP WITH DEVICE COVER, INSTALL 3/4" CONDUIT WITH PULLSTRING TO ACCESSIBLE CEILING, LETER DENOTES CANDEL LIGHT RATING FLUSH MOUNTED UP 80" AFF
	FIRE ALARM HORN-STROBE VISUAL SIGNAL, CEILING MOUNTED, LETER DENOTES CANDEL LIGHT RATING
	FIRE ALARM STROBE VISUAL SIGNAL, CEILING MOUNTED, LETER DENOTES CANDEL LIGHT RATING
	FIRE ALARM HEAT DETECTOR, CEILING MOUNTED.
	FIRE ALARM SMOKE DETECTOR, CEILING MOUNTED.
	FIRE ALARM DUCT DETECTOR, CEILING MOUNTED.
	4'X8'X3/4" PLYWOOD TELEPHONE BACKBOARD WITH #6 GROUND.
	PANELBOARD. SEE PANEL SCHEDULE FOR CHARACTERISTICS.
	TRANSFORMER AS NOTED.
	SAFETY SWITCH, PROVIDED AND INSTALLED UNDER DIV. 16. TO HAVE POLES AND RATING REQUIRED. TO BE MOUNTED IN NEMA 3R IF INSTALLED OUTDOORS.
	TELEPHONE CONDUIT. MINIMUM 3/4" WITH PULL WIRE.
	1" CONDUIT WITH PULL WIRE TO TELEPHONE TERMINAL BOARD.
	FIRE ALARM CONDUIT, 3/4" MIN. UNLESS OTHERWISE INDICATED ON DRAWINGS WITH WIRING AS CALLED FOR IN SPECS.
	SPECIAL SYSTEMS UNDERGROUND CIRCUIT, 2'-0" MIN. BELOW GRADE.
	ELECTRICAL UNDERGROUND CIRCUIT, 2'-0" MINIMUM BELOW GRADE.
	TELEPHONE UNDERGROUND CIRCUIT, 2'-0" MINIMUM BELOW GRADE.
	PRIMARY SERVICE ELECTRICAL UNDERGROUND CIRCUIT, 2'-0" MINIMUM BELOW GRADE.
	BRANCH CIRCUIT IN WALLS OR CEILING.
	HOME RUN TO PANEL, LETTER DENOTE BRANCH CIRCUIT PANEL LOCATION, ARROW REPRESENT POLE TIC MARKS REPRESENT NEUTRAL, HOT, SWITCH LEG, AND GROUND CONDUCTORS RESPECTIVELY.
	SWITCH LEG BREAK OR CONTINUATION OF BRANCH CIRCUIT, TIC MARKS REPRESENT NEUTRAL, HOT, SWITCH LEG, AND GROUND CONDUCTORS RESPECTIVELY.
	FIRE ALARM CONTROL PANEL
	FIRE ALARM REMOTE ANNUNCIATOR
	SPRINKLER SYSTEM FLOW SENSOR, PROVIDE WEATHER PROOF 4" SQUARE BOX X 2-1/8" DEEP WITH DEVICE COVER, INSTALL 3/4" CONDUIT WITH PULLSTRING TO FIRE ALARM CONTROL PANEL
	SPRINKLER SYSTEM PRESSURE SENSOR, PROVIDE WEATHER PROOF 4" SQUARE BOX X 2-1/8" DEEP WITH DEVICE COVER, INSTALL 3/4" CONDUIT WITH PULLSTRING TO FIRE ALARM CONTROL PANEL
	SECURE ACCESS DOOR EXIT BUTTON/SENSOR DEVICE, PROVIDE 4" SQUARE BOX X 2-1/8" DEEP WITH DEVICE COVER, INSTALL 1/2" CONDUIT WITH PULLSTRING TO ACCESSIBLE CEILING, MOUNT AT 44" AFF.
	SECURE ACCESS DOOR KEY PAD/CARD READER DEVICE, PROVIDE 4" SQUARE BOX X 2-1/8" DEEP WITH DEVICE COVER, INSTALL 1/2" CONDUIT WITH PULLSTRING TO ACCESSIBLE CEILING, MOUNT AT 44" AFF.
	SECURE ACCESS DOOR MAGNET LOCK DEVICE, INSTALL 1/2" CONDUIT WITH PULLSTRING TO ACCESS CONTROL PANEL.
	WIRING DEVICE AS INDICATED, 30A, 1PH, 208V OUTLET, MOUNTED AT CEILING.
	RECEPTACLE TO BE MOUNTED ON CEILING.
	SWITCH BANK PER NOTE

NOTE: 1. SOME SYMBOLS AND ELECTRICAL NOTES SHOWN MAY NOT BE USED ON THIS PROJECT. 2. MOUNTING HEIGHT REPRESENT THE CENTER OF THE DEVICE.



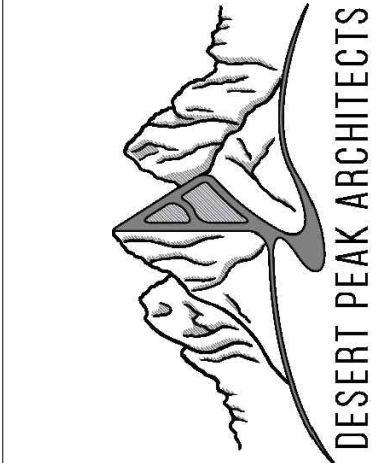
FIRE ALARM GENERAL NOTES

- FIRE ALARM INSTALLER TO INSTALL SYSTEM TO MEET ALL NATIONAL AND LOCAL FIRE CODES (I.e. NEC 760 AND NFPA). INSTALLER TO SUBMIT TO ARCHITECT "AS BUILT"
- FIRE ALARM INSTALLER TO COORDINATE AND CONNECT SMOKE DETECTION SYSTEM TO A/C DUCT SYSTEM.
- FIRE ALARM INSTALLER CAN SUBSTITUTE FIRE ALARM FIXTURES FOR OTHERS OF EQUAL PERFORMANCE.
- F.A. INSTALLER MUST BE CERTIFIED BY THE STATE AND SUBMIT ALL REQUIRED PLANS AND DRAWINGS, F.A. SYSTEM CALCULATIONS AND ALL APPLICABLE SUBMITTALS TO THE GOVERNING AUTHORITIES TO OBTAIN A PERMIT.
- THE F.A. INSTALLER MUST BID ON A COMPLETE F.A. SYSTEM THAT CONFORMS TO ALL APPLICABLE CODES.
- CONTRACTOR MUST VISIT SITE BEFORE BIDDING ON THIS PROJECT AND ALLOWED FOR ANY MODIFICATIONS OR ADDITIONS NEEDED TO BE DONE ON THE EXISTING FIRE ALARM PANEL TO ACCOMMODATE ALL NEW DEVICES IN THE NEW ADDITION.
- CONTRACTOR MUST MAKE ALL FINAL CONNECTION AND TEST THE SYSTEM IN THE PRESENCE OF SCHOOL PERSONAL OR ENGINEER.
- PROVIDE AFCI PROTECTION TO ALL CIRCUITS THAT SERVE ANY FIRE ALARM PANEL OR DEVICE.

5

RENOVATIONS  
1530 Wells St, Las Cruces, NM 88003

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	03/26/2026	SCHEMATIC DESIGN



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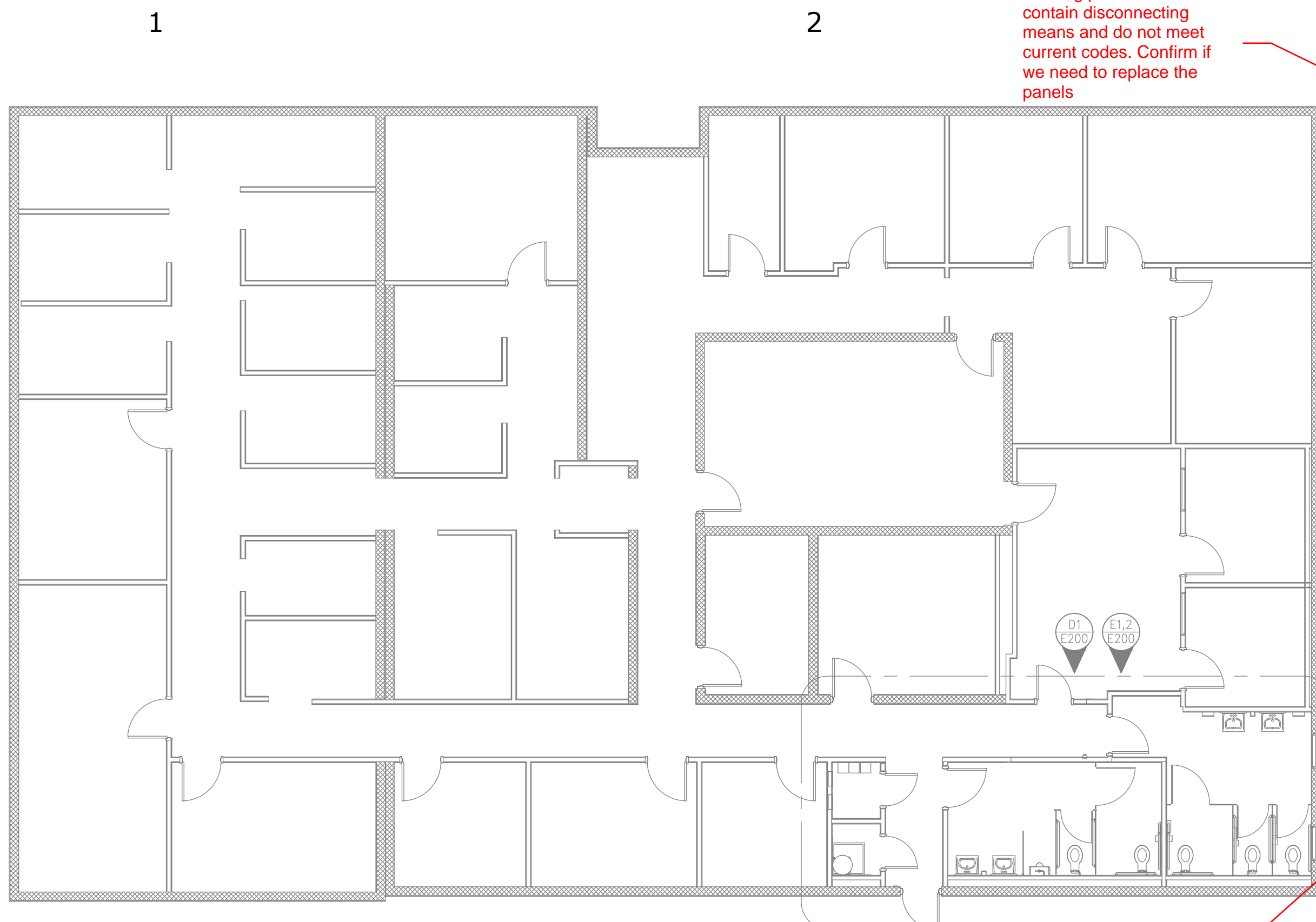
PROJECT NO.  
2026-034

SHEET TITLE  
ELECTRICAL LEGEND AND NOTES

SHEET NO.

E100

2026-034



**DEMOLITION PLAN KEYED NOTES**

- ① EXISTING PANEL 'A' TO BE RELOCATED TO NEW LOCATIONS, CONTRACTOR TO ENSURE SHUT DOWN PROCEDURES WITH NMSU PERSONNEL BEFORE DOING ANY WORK. TRACE AND LABEL ALL EXISTING CIRCUITS.
- ② EXISTING PANEL 'B' TO BE RELOCATED TO NEW LOCATIONS, CONTRACTOR TO ENSURE SHUT DOWN PROCEDURES WITH NMSU PERSONNEL BEFORE DOING ANY WORK. TRACE AND LABEL ALL EXISTING CIRCUITS.
- ③ EXISTING SPECIAL SYSTEM CONTROL BOXES TO BE RELOCATED TO NEW LOCATION, REFER TO NEW WORK-POWER PLAN.

relocation by others, n.i.c.

**KEYED NOTES**

- ① CONNECT ALL EXIT LIGHTS AND EMERGENCY LIGHTS TO HOT LEG OF NEAREST LIGHTING CIRCUIT.
- ② INSTALL OUTDOOR REMOTE EMERGENCY HEAD ABOVE DOOR, CONNECT AS SHOWN.
- ③ CONNECT TO EXISTING AREA LIGHTING CIRCUIT.
- ④ INSTALL NEW 3-WAY SWITCH TO CONTROL ROOM LIGHTS, FIELD VERIFY EXACT CONDITION, CONNECT NEW LIGHT TO EXISTING CIRCUIT. ALL CORRIDOR LIGHT TO BE CONTROLLED TO MATCH EXISTING.
- ④ NEW FIRE ALARM HORN/STROBE AND PULLSTATION, FIRE ALARM CONTRACTOR TO RECONNECT TO EXISTING CIRCUIT. FIELD VERIFY EXACT LOCATION.
- ⑤ LOCATION OF EXISTING PANEL 'A' EXTEND EXISTING FEEDER TO MATCH EXISTING FROM NEW PULL ON CEILING, FIELD VERIFY EXISTING CONDUIT, CONDUCTORS, AND LOCATION OF FEEDER TO BE EXTENDED TO NEW LOCATIONS.
- ⑥ LOCATION OF EXISTING PANEL 'B' EXTEND EXISTING FEEDER TO MATCH EXISTING FROM NEW PULL ON CEILING, FIELD VERIFY EXISTING CONDUIT, CONDUCTORS, AND LOCATION OF FEEDER TO BE EXTENDED TO NEW LOCATIONS.
- ⑦ PROVIDE AND INSTALL 4"x4" PULLBOX WITH COVER ABOVE ACCESSIBLE CEILING TO INTERCEPT EXISTING FEEDER TO PANEL 'A', EXTEND NEW FEEDERS TO NEW LOCATION OF RELOCATED PANEL 'A'.
- ⑧ PROVIDE AND INSTALL 4"x4" PULLBOX WITH COVER ABOVE ACCESSIBLE CEILING TO INTERCEPT EXISTING FEEDER TO PANEL 'B', EXTEND NEW FEEDERS TO NEW LOCATION OF RELOCATED PANEL 'B'.
- ⑨ PROVIDE AND INSTALL 16"x16"x6" PULLBOX ABOVE ACCESSIBLE CEILING TO INTERCEPT EXISTING BRANCH CIRCUITS, EXTEND ALL BRANCH CIRCUIT TO NEW PANEL 'A' LOCATION, CONTRACTOR TO ENSURE TO DERATE AMPACITY OF THE CONDUCTORS PER NEC 310.
- ⑩ PROVIDE AND INSTALL 16"x16"x6" PULLBOX ABOVE ACCESSIBLE CEILING TO INTERCEPT EXISTING BRANCH CIRCUITS, EXTEND ALL BRANCH CIRCUIT TO NEW PANEL 'B' LOCATION, CONTRACTOR TO ENSURE TO DERATE AMPACITY OF THE CONDUCTORS PER NEC 310.
- ⑪ RELOCATED SPECIAL SYSTEM COMPONENT, EXTEND CIRCUITS AND WIRING AS REQUIRED. COORDINATE NMSU PERSONNEL FOR EXACT LOCATION AND REQUIREMENT.
- ⑫ CONNECT TO EXISTING UNSUED 20A, 1 POLE C.B. IN EXISTING PANEL 'B' OR 'A'.
- ⑬ NEW CEILING MOUNTED HORN/STROBE, COORDINATE WITH FIRE ALARM INSTALLER.

Can we re-locate the existing strobe and pull?

by others

**E3  
E200** ELECTRICAL OVERALL PLAN  
1/8" = 1'-0"

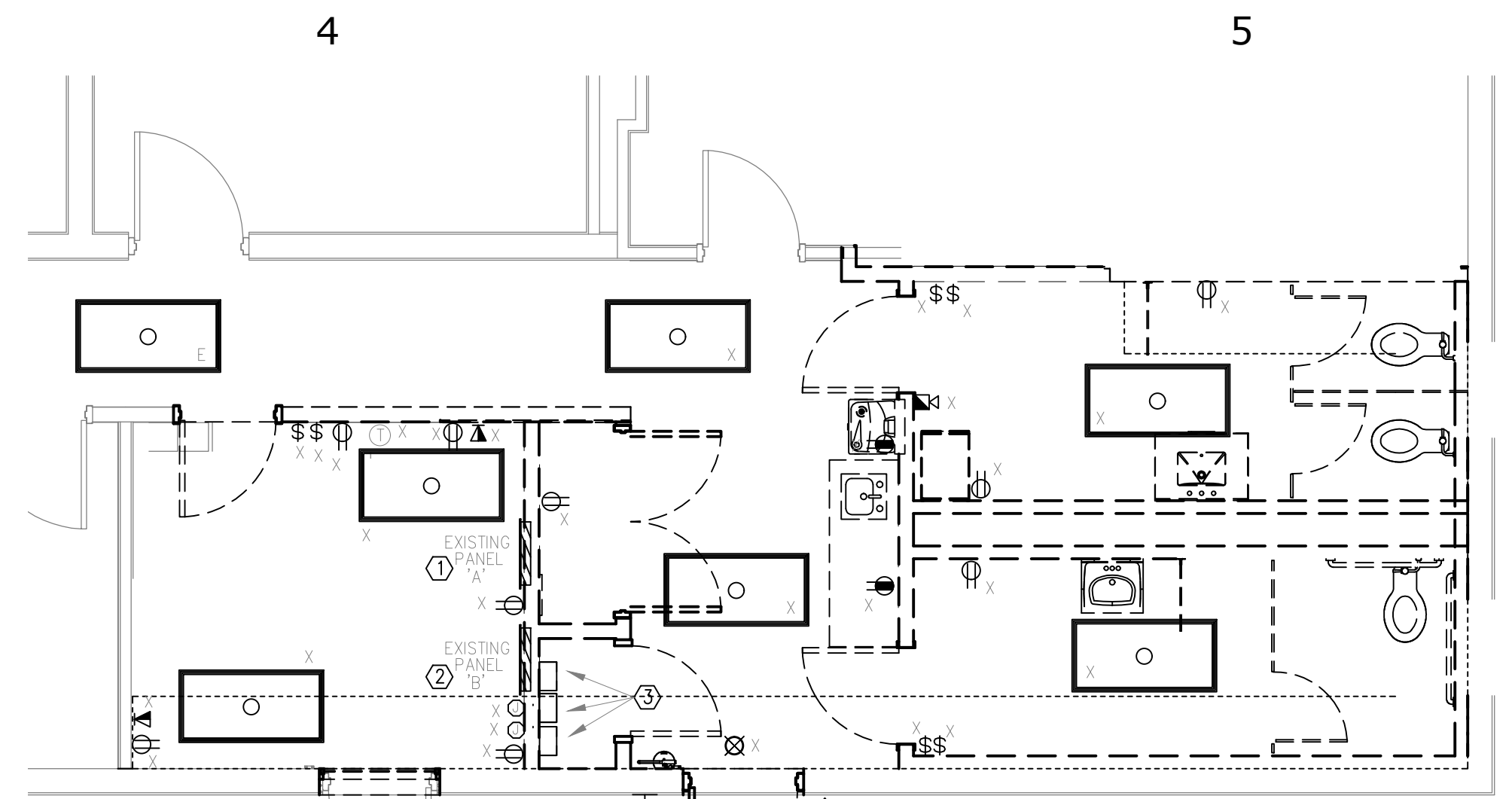
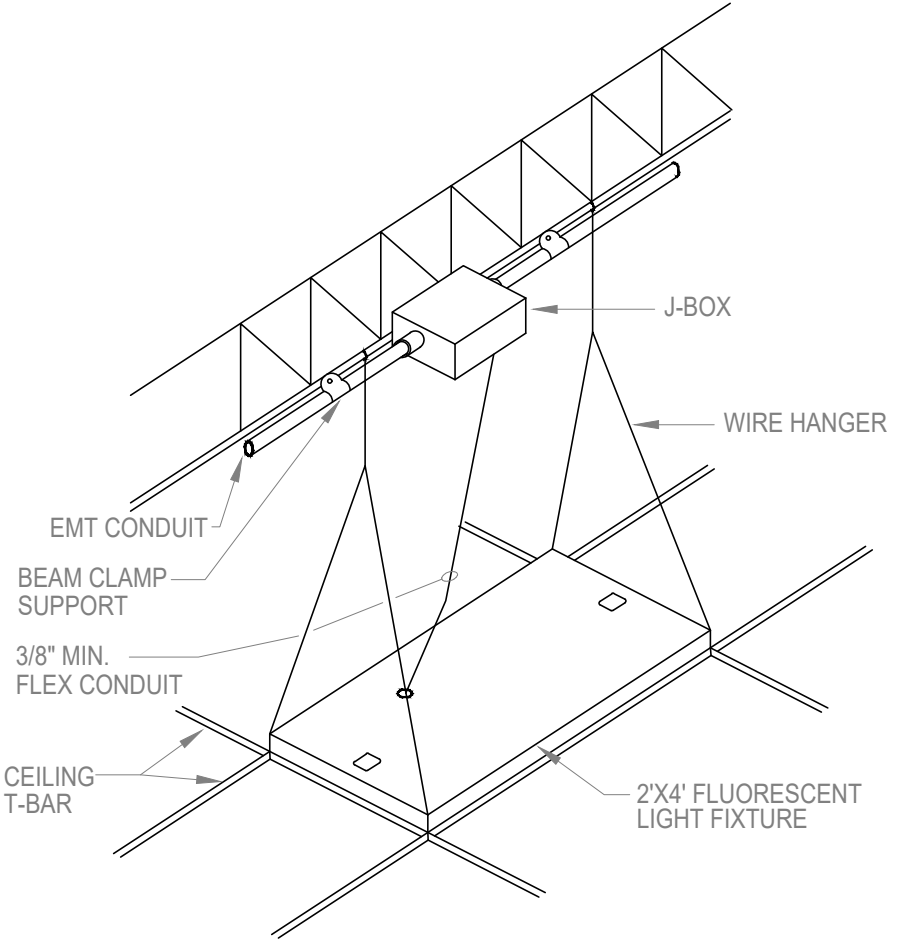
**EXISTING/DEMOLITION SYMBOL LEGEND**

SYMBOL	DESCRIPTION
	EXISTING 2X4' FLANGE OR SURFACE TO REMAIN IN PLACE, CLEAN AND REPLACE LAMPS AS REQUIRED.
	RELOCATED 2X4' FLANGE OR SURFACE, CLEAN AND REPLACE LAMPS AS REQUIRED.
	DEMOLISH AND REMOVE EXISTING LIGHTING FIXTURE TO SOURCE.
	EXISTING WALL LIGHT TO REMAIN IN PLACE, CLEAN AND REPLACE LAMPS AS REQUIRED.
	RELOCATED WALL LIGHT, CLEAN AND REPLACE LAMPS AS REQUIRED.
	DEMOLISH AND REMOVE EXISTING LIGHTING FIXTURE TO SOURCE.
	EXISTING EXIT LIGHT TO REMAIN, ENSURE BATTERY BACK UP IS FOR 90 MIN. OR GRATER.
	EXISTING EXIT LIGHT TO BE DEMOLISHED AND REMOVE COMPLETELY.
	EXISTING EXIT LIGHT TO REMAIN, ENSURE BATTERY BACK UP IS FOR 90 MIN. OR GRATER.
	EXISTING EXIT LIGHT TO BE DEMOLISHED AND REMOVE COMPLETELY.
	EXISTING EMERGENCY LIGHT TO REMAIN, ENSURE BATTERY BACK UP IS FOR 90 MIN. OR GRATER.
	EXISTING EMERGENCY LIGHT TO BE DEMOLISHED AND REMOVE COMPLETELY.
	EXISTING SWITCH TO REMAIN IN PLACE AND OPERATION.
	EXISTING SWITCH TO BE DEMOLISHED TO BE REMOVED.
	EXISTING RECEPTACLE TO REMAIN IN PLACE AND OPERATION.
	EXISTING RECEPTACLE TO BE DEMOLISHED AND REMOVED COMPLETELY.
	EXISTING QUADRUPLUX RECEPTACLE TO REMAIN IN PLACE AND OPERATION.
	EXISTING QUADRUPLUX RECEPTACLE TO BE DEMOLISHED AND REMOVED COMPLETELY.
	EXISTING CEILING RECEPTACLE TO REMAIN IN PLACE AND OPERATION.
	EXISTING CEILING RECEPTACLE TO BE DEMOLISHED AND REMOVED COMPLETELY.
	EXISTING PHONE/DATA DEVICE TO REMAIN, ENSURE CONDUIT TO ACCESSIBLE CEILING IS PROVIDED, FIELD VERIFY.
	EXISTING PHONE/DATA DEVICE TO BE DEMOLISHED AND REMOVED COMPLETELY.

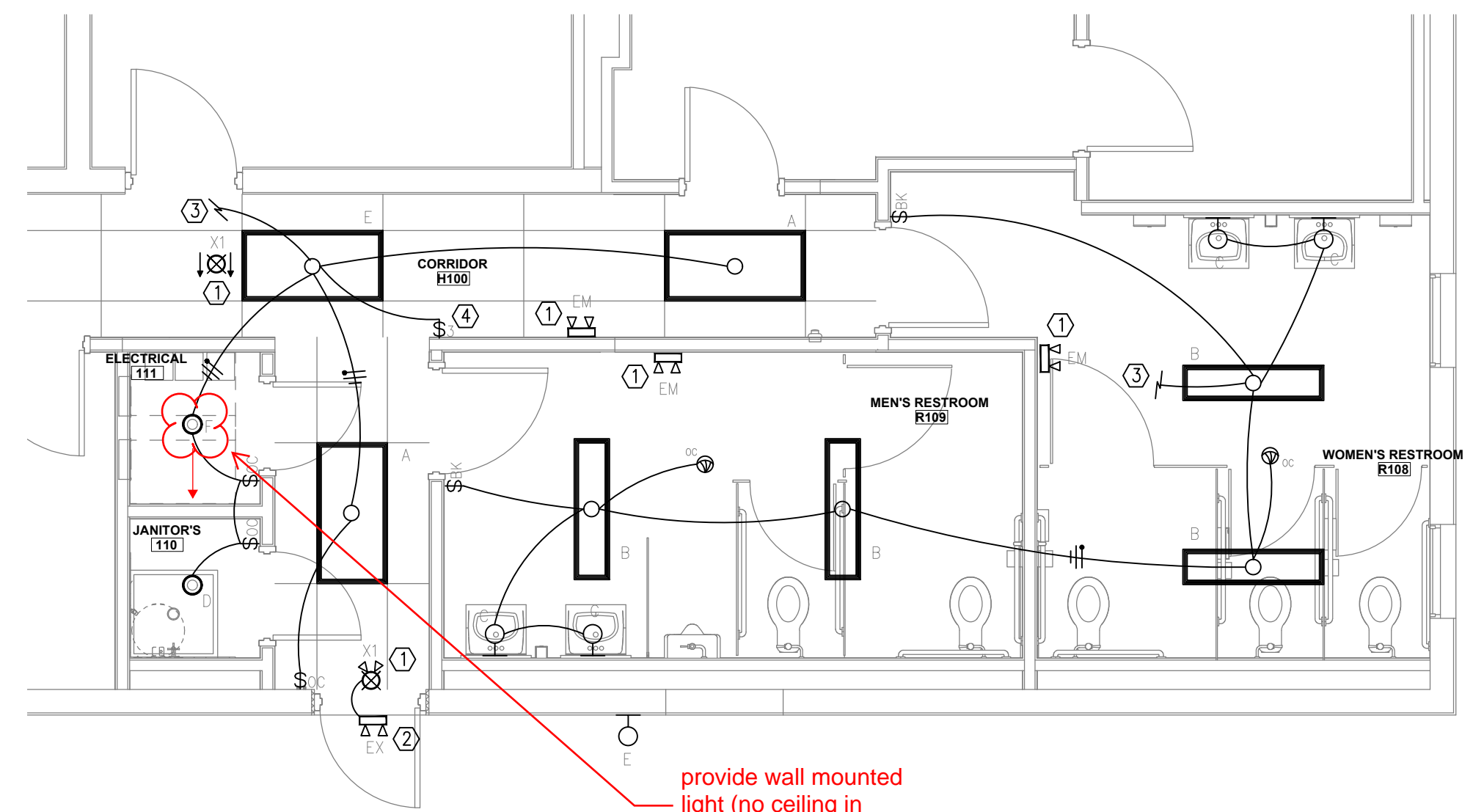
**1 LAY-IN FIXTURE MOUNTING DETAIL**  
SCALE: NONE

TYPE	DESCRIPTION	LAMPS	MOUNTING	COMMENTS
A	CREE CR24B 40L 930 UNV 10V1	30W, 4 000L, 4000K	LAY-IN	
B	METALUX 14CGTS-L3C3-CGTSURF14	31.3W, 4827L, 4000K	SURFACE	
C	DECORATIVE VANITY LIGHT	LED	WALL	[3][1]
D	ATLANTIC COM4-SYL 15-4K-U-6CM10-CL	13.1W, 1280L, 4000K	RECESSED	
F	ATLANTIC SLE036 B50 VR15 35K W	15W, 1182L, 4000K	CEILING/WALL	
EM	EVENLITE TCS-W-L67	INCLUDED	CEILING/WALL	E-PACK
EX	EVENLITE WW-EM-xx	INCLUDED	CEILING/WALL	E-PACK
X1	EVENLITE TCXCOM-R-U-W-SD	INCLUDED	CEILING/WALL	E-PACK

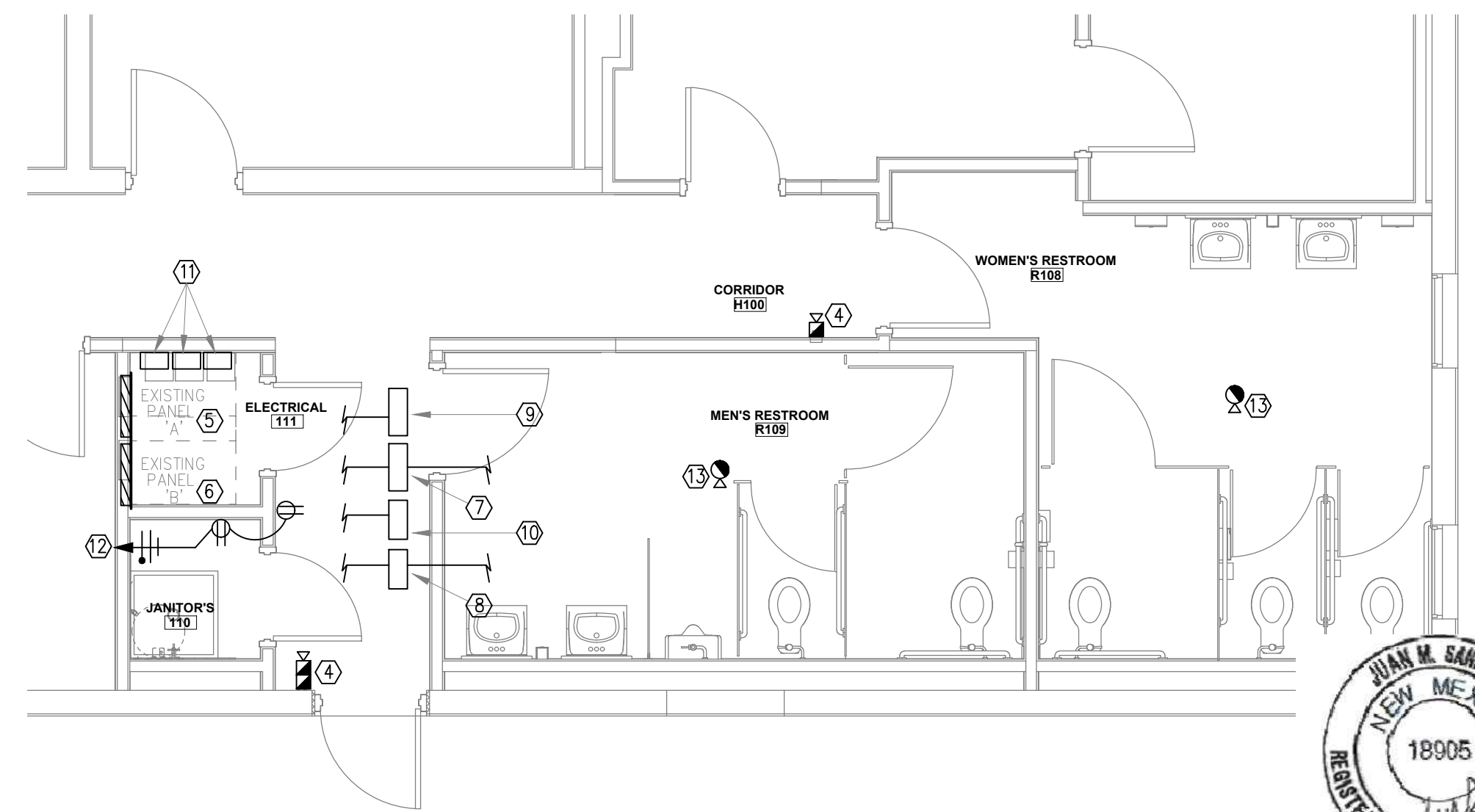
[1] VERIFY LENGTH, INCLUDE ALL COMPONENTS AND ACCESSORIES REQUIRED.  
 [2] PROVIDE FIXTURE WITH DIMMING BALLAST.  
 [3] OWNER TO SELECT THIS FIXTURE, PROVIDED AND INSTALLED BY CONTRACTOR, PROVIDE ALL ACCESSORIES FOR A COMPLETE A SYSTEM



**D1  
E200** ELECTRICAL DEMOLITION PLAN  
1/4" = 1'-0"

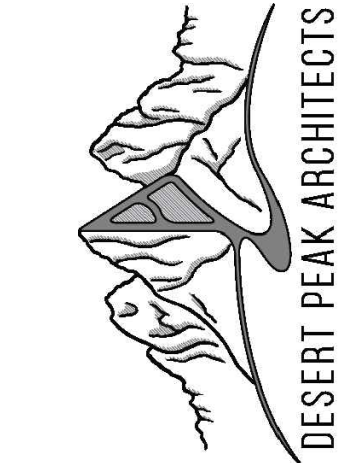


**E1  
E200** NEW WORK - LIGHTING PLAN  
1/4" = 1'-0"



**E2  
E200** NEW WORK - POWER PLAN  
1/4" = 1'-0"

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2026-034

SHEET TITLE  
ELECTRICAL PLANS

SHEET NO.

**E200**



5-6-2026

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