

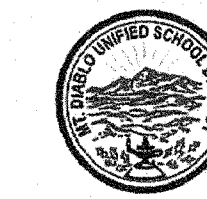
Voluntary Alterations Limited to Accessible Upgrade & New Finishes at Students Restrooms

SUNRISE SPECIAL EDUCATION ELEMENTARY SCHOOL

1861 SILVERWOOD DRIVE, CONCORD CA 94519



MT DIABLO UNIFIED SCHOOL DISTRICT - CONTRA COSTA COUNTY



MT. DIABLO UNIFIED SCHOOL DISTRICT
SUNRISE SCHOOL
1861 Silverwood Drive
Concord, California 94519-1352
(925) 687-0302

March 13, 2018

Ms. Karlene Gullone
DSA Oakland Regional Office
1515 Clay St # 1201
Oakland, CA 94612

RE: Technical Infeasibility due to site constraints, DSA App # 01-117193 (Restroom Rm-1)
Sunrise Elementary School, MDUSD

Dear Ms. Gullone,

The Current DSA Project Application # 01-117193 consists of the alterations of the existing student restrooms located in Building 200 and Building 300.

One of these restrooms (toilet room) located inside Building 300 at Classroom-1, was upgraded and Certified by the DSA in under DSA project Application #01-106569.

ISSUE:

The existing width of the toilet room is 4'-1" x 5'-5" wide x 6'-6" long, therefore not meeting CBC 2016 chapter 11B.604.8.1.4 toe clearance requirements. The previous code, CBC 2010 permitted a 5'-0" width.

To enlarge the room of 1" to meet the toe clearance requirements of 5'-6", significant work will be required:

- existing wall frame and curb need to be moved \$30,000.00
 - adjacent door / header of standard restroom need to be modified - \$10,000.00
 - interstitial space has ductwork which will also be affected - \$30,000.00
- Total costs = \$70,000.00

Consequently we are requesting that this existing condition remains.

Thank you for your kind consideration.

Sincerely,

Dinah Baharin

Dinah Baharin, Project Manager
PHD ARCHITECTS, Inc.

November 29th, 2017

Dessa Rooney, Regional Manager
Division of the State Architect, Oakland Regional Office
1515 Clay Street, Suite 1201
Oakland, CA 94612

Subject: Restrooms Upgrade for Sunrise Mental Health Collaborative Elementary School
1861 Silverwood Dr., Concord CA 94519

Dear Ms. Rooney:

Sunrise Elementary is a mental health program for students ages 5 -12, serving Mt Diablo Unified School District.

Students in this school require maximum supervision by staff at all times and are being supported by Behavioral Health Specialists.

Due to these challenges, the restrooms are designed for maximum supervision.

If you have any questions, please feel free to contact me at (925) 687 0202.

Sincerely,

Jenny Vargas, Principal
Sunrise Special-Needs Elementary School

D.S.A. FILE INFORMATION

D.S.A. FILE No. 7-29 ES

ADMINISTRATIVE REQUIREMENTS

- PART 1, TITLE 24, C.C.R.**
- A. ALL WORK SHALL CONFORM TO THE 2016 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- B. DSA -CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) IS REQUIRED FOR THIS PROJECT. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342,PART 1, TITLE 24 CCR. THE SCOPE OF THE PROJECT REQD. CLASS 3 INSPECTOR.
- C. INSPECTOR AND CONTINUOUS INSPECTION OF WORK PER SECTION 4-333(b) AND 4-342
- D. TEST AND TESTING LABORATORY PER SECTION 4-335 (OWNER SHALL PAY THE TESTING LABORATORY). DSA ACCEPTED TESTING LABORATORY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT THE REQD. TESTS AND SPECIAL INSPECTIONS FOR THE PROJECT.
- E. SPECIAL INSPECTION PER SECTION 4-333(c)
- F. CONTRACTOR SHALL SUBMIT VERIFIED REPORT (FORM DSA 6) PER SECTION 4-336 & 4-343(C)
- G. ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, C.C.R., DUTIES OF ARCHITECT, STRUCTURAL ENGINEER OR PROFESSIONAL ENGINEER PER SECTION 4-333(d) AND 4-341; DUTIES OF CONTRACTOR PER SECTION 4-343; VERIFIED REPORTS (FORM DSA 6) PER SECTION 4-336
- H. A COPY OF PART 1, 2, 3, 4 & 5 OF TITLE 24 SHALL BE KEPT & AVAILABLE IN THE FIELD DURING CONSTRUCTION
- I. NOT USED
- J. DSA SHALL BE NOTIFIED ON START OF CONSTRUCTION & PRIOR TO PLACEMENT OF CONCRETE, PER SEC. 4-331
- K. SUPERVISION OF CONSTRUCTION BY DSA PER SECTION 4-334
- L. DSA IS NOT SUBJECT TO ARBITRATION
- M. PER SECTION 4-317(C), PART 1, TITLE 24, C.C.R.: THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, C.C.R.. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONSTRUCTION DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, C.C.R. A CONSTRUCTION CHANGE DOCUMENT (CCD) OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DSA BEFORE PROCEEDING WITH THE WORK.
- N. THE INTENT OF THESE DRAWINGS IS TO MODIFY THE FACILITY FOR ACCESSIBILITY IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS SUCH THAT THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (CCD) DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DSA-AC BEFORE PROCEEDING WITH THE WORK.
- O. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.
- P. A "DSA" CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE-24 C.C.R.
- Q. A "DSA" ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS OF THE PROJECT.

APPLICABLE CODES WITHIN LIMIT OF WORK

2016 California Administrative Code (CAC), Part 1, Title 24 CCR*	2016 Edition
2016 California Building Code (CBC), Part 2, Title 24 CCR JAN 8 SEPT 2017 ERRATA (2015 International Building Code, Vol. 1 & 2, and 2016 California amendments)	2016 Edition
2016 California Electrical Code (CEC), Part 3, Title 24 CCR (2014 National Electrical Code and 2016 California Amendments)	2016 Edition
2016 California Mechanical Code (CMC), Part 4, Title 24 CCR (2015 IAPMO Uniform Mechanical Code and 2016 California amendments)	2016 Edition
2016 California Plumbing Code (CPC), Part 5, Title 24 CCR (2015 IAPMO Uniform Plumbing Code and 2016 California amendments)	2016 Edition
2016 California Energy Code (CEC), Part 6, Title 24 CCR	2016 Edition
2016 California Fire Code (CFC), Part 9, Title 24 CCR (2015 International Fire Code and 2016 California Amendments)	2016 Edition
2016 California Existing Building Code (CEBC), Part 10, Title 24 CCR (2015 International Existing Building Code and 2016 California Amendments)	2016 Edition
2016 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR	2016 Edition
2016 California Referenced Standards Code, Part 12, Title 24 CCR	2016 Edition
Title 19 CCR, Public Safety, State Fire Marshal Regulations	2016 Edition
2013 ASME A17.1/CSA B44-13 Safety Code for Elevators and Escalators	2013 Edition
NATIONAL STANDARDS	
NFPA 13 Standard for the Installation of Sprinkler Systems (CA amended)	2016 Edition
NFPA 14 Standard for the Installation of Standpipe and Hose Systems	2013 Edition
NFPA 17 Standard for Dry Chemical Extinguishing Systems	2013 Edition
NFPA 17A Standard for Wet Chemical Extinguishing Systems	2013 Edition
NFPA 20 Standard for the Installation of Stationary Pumps for Fire Protection	2016 Edition
UL APPROVED	
NFPA 72 National Fire Alarm and Signaling Code (CA amended)	2016 Edition
NFPA 80 Standard for Fire Doors and Other Opening Protectives	2016 Edition
NFPA 2001 Standard on Clean Agent Fire Extinguishing Systems	2015 Edition
UL 300 Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment	2005 (R2010)
UL 464 Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories	2003 Edition
UL 521 Standard for Heat Detectors for Fire Protective Signaling Systems	1999 Edition
UL 1971 Standard for Signaling Devices for the Hearing Impaired	2002 Edition
ICC 300 Standard for Bleachers, Folding and Telescopic Seating, and Grandstands	2012 Edition

ABBREVIATIONS

At	Acoustic Ceiling Tile	JAN.	Janitor
A.C.T.	Acoustic Ceiling Tile	JST.	Joist
ACS	Accessible	JT.	Joint
ADJ.	Adjacent, Adjustable	LAM.	Laminated
A.F.F.	Above Finish Floor	LEV.	Level
AL.	Aluminum	LOC.	Location
A.T.C.	Acoustic Tile Ceiling	MAX.	Maximum
BD.	Board	M.D.F.	Medium Density Fiberboard
BLKG.	Blocking	MECH.	Mechanical
BM.	Beam	MEZZ.	Mezzanine
B.O.	Bottom Of	MFR.	Manufacturer
BOT.	Bottom	MIN.	Minimum
BRG.	Bearing	MISC.	Miscellaneous
BTWN.	Between	MTD.	Mounted
CAB.	Cabinet	MTL.	Metal
CER.	Ceramic	(N)	New
C.J.	Control Joint	N.I.C.	Not In Contract
CL.	Center Line	NO.	Number
CL.	Closet	NOM.	Nominal
CLG.	Ceiling	N.T.S.	Not To Scale
CLR.	Clear	O.C.	On Center
C.M.U.	Concrete Masonry Unit	O.D.	Outside Diameter
COL.	Column	OPNG.	Opening
CONC.	Concrete	OPP.	Opposite
CONST.	Construction	O.H.	Oval Head
CONT.	Continuous	P.H.W.S.	Power Head Wood Screw
COORD.	Coordinate	P.LAM.	Plastic Laminate
C.R.	Cold Rolled	R.	Property Line
C.T.	Ceramic Tile	PL.	Plate
CTR	Counter	P.LY.	Plywood
CTSK.	Countersink	P.LYWD.	Plywood
DBL	Double	PT.	Painted
DCA.	Drilled Concrete Anchor	PTN.	Partition
DET.	Detail	Q.T.	Quarry Tile
D.F.	Drinking Fountain	QTY.	Quantity
DI.	Diameter	R.	Radius
DIM.	Dimension	RAD.	Radius
DISP.	Dispenser	R.D.	Roof Drain
DN.	Down	RE.	Refer To
DR.	Door	REQ.	Required/Requirements
DTL.	Detail	RESIL.	Resilient
DWG.	Drawing	R.H.	Round Head
(E)	Existing	R.H.W.S.	Round Head Wood Screw
EA.	Each	RM.	Room
EJ.	Expansion Joint	R.O.	Rough Opening
EL.	Elevation	S.C.	Solid Core / Seat Cover
ELEC.	Electrical	SCHED.	Schedule
EO	Electrical Outlet	SECT.	Section
EQ.	Equal	S.E.D.	See Electrical Drawings
EQUIP.	Equipment	SFD	Smoke Fire Damper
E.W.C.	Electric Water Cooler	SH.	Sheet
EXIST.	Existing	SIM.	Similar
EXP.	Expansion	S.I.M.D.	See Mechanical Drawings
EXP. JT.	Expansion Joint	S.M.S.	See Plumbing Drawings
EXT.	Exterior	S.P.D.	See Structural Drawings
F.D.	Floor Drain	S.S.	Stainless Steel
F.E.	Fire Extinguisher	S.S.D.	See Structural Drawings
F.E.C.	Fire Extinguisher Cabinet	S.T.S.	Self-Drilling, Self-Tapping
F.H.	Flat Head	S.T.S.	Sheet Metal Screw
F.H.C.	Fire Hose Cabinet	S.T.S.	Standard
FIN.	Finish	STL.	Steel
FLR.	Floor	STRUCT.	Structural
FLUOR.	Fluorescent	SUSP.	Suspended
F.O.	Face Of	THK.	Thick
F.O.S.	Face Of Stud	T.O.	Top Of
F.O.W.	Face Of Wall	T.O.C.	Top Of Concrete
F.S.	Full Size	T.O.S.	Top Of Steel
FURR.	Furring	TYP.	Typical
GA.	Gauge	U.O.N.	Unless Otherwise Noted
GALV.	Galvanized	UP.	Upper
G.B.	Grab Bar	V.C.T.	Vinyl Composition Tile
G.D.	Garbage Disposal	VEN.	Veneer
GYP. BD.	Gypsum Wallboard	VER.	Verify
H.B.	Hose Bibb	VEST.	Vestibule
H.C.	Hollow Core	V.I.F.	Verify In Field
H.W.D.	Hardwood	W/	With
H.M.	Hollow Metal	W.C.	Wall Covering
HR.	Hour	WD.	Wood
HT.	Height	W.R.	Water Resistant
I.D.	Inside Diameter	WR	Waste Receptacle
I.F.	Inside Face	W.S.	Wood Screw
INS.	Insulation		
INT.	Interior		
INTER.	Intermediate		

DRAWING INDEX

A-000	TITLE SHEET
A-001	SITE PLAN / ACCESS INFO
A-200	DEMOLITION, FLOOR AND RCP - BLDG 200
A-210	DEMOLITION, FLOOR AND RCP - BLDG 300
A-300	GENERAL CONSTRUCTION NOTES & SCHEDULES
A-500	DETAILS
A-501	DETAILS
SSP	STRUCTURAL SPECIFICATIONS
INCLUDED FOR DSA REFERENCE ONLY - AS BUILT DRAWINGS FOR DSA REFERENCES ASBUILT DWGS ATTACHED	
NONE	
H. MAX PEYVAN	DATE 3/12/18
LICENSE NUMBER: C-27121	EXPIRATION DATE: 09/30/2019

Total 8 dwgs

SCOPE OF WORK NO DEFERRED SUBMITTAL ITEMS ON THIS PROJECT NO SQUARE FOOTAGE ADDED TO THE BUILDINGS

SCOPE OF WORK FOR THE PROJECT IS LIMITED TO CBC 11B-202.4 EXCEPTION #3 ITEM#2 AND IS LIMITED TO THE ACTUAL SCOPE OF WORK OF THE PROJECT.

THE SCOPE OF WORK OF THIS PROJECT INCLUDES (BUT IS NOT LIMITED TO):

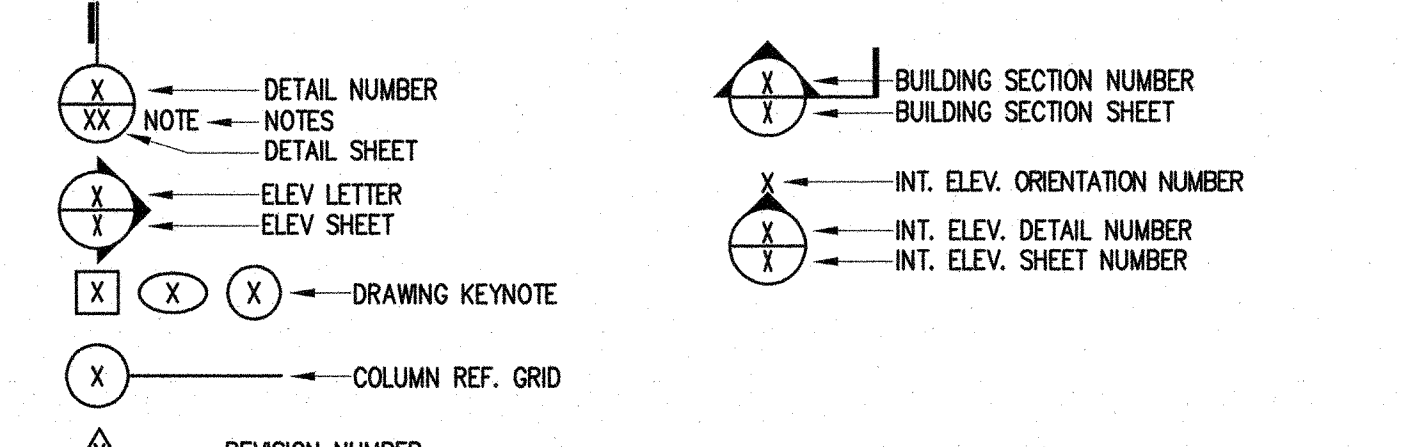
THE SCOPE CONSISTS OF:

- ACCESSIBLE UPGRADE OF STUDENTS' RESTROOM BLDG 200
- ACCESSIBLE UPGRADE OF STUDENTS' RESTROOM BLDG 300

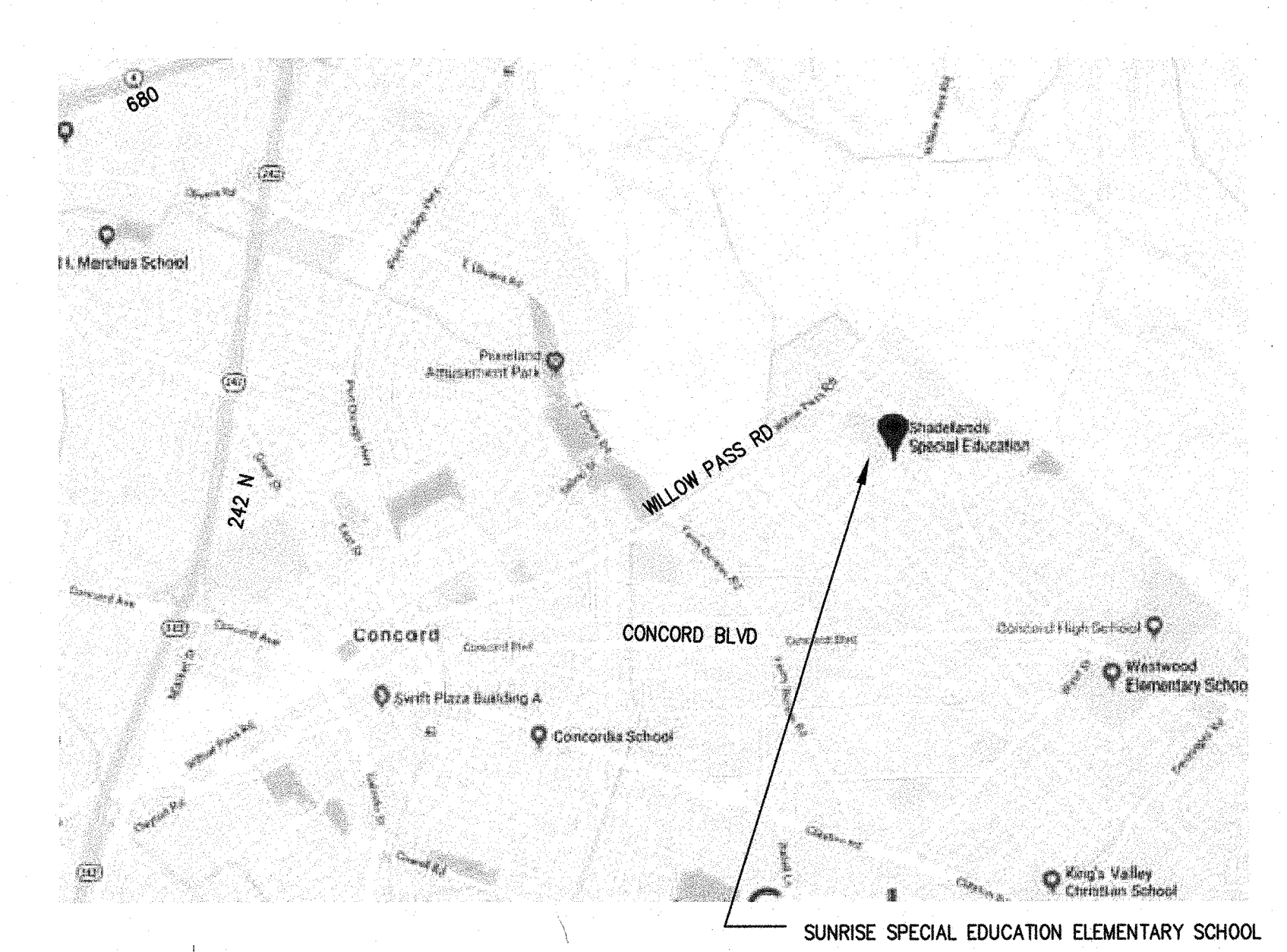
PROJECT REQUIREMENTS

- ALL DEMOLITION & CONSTRUCTION WORK SHALL COMPLY WITH 2016 CFC CHAPTER 33 "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION"
- EMERGENCY VEHICLE ACCESS ROADS AND ON-SITE FIRE HYDRANTS SHALL BE IN SERVICE AND OPERABLE PRIOR TO LOADING THE SITE WITH COMBUSTIBLE MATERIAL.
- EXISTING ACCESSIBLE ROUTES TO ALL FACILITIES AND BUILDING THAT ARE OPERATIONAL DURING CONSTRUCTION PHASE SHALL REMAIN UNOBSTRUCTED, SAFE AND USABLE BY PEOPLE WITH DISABILITIES.
- ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE CURRENT EDITION OF THE CALIFORNIA BUILDING CODE, CMC, CPC, CEC AND ALL APPLICABLE LOCAL CODES, ORDINANCES, AND STATE AMENDMENTS.
- THE CONTRACTOR SHALL CHECK ALL DRAWINGS IMMEDIATELY UPON THEIR RECEIPT AND SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. ARCHITECTS AND ENGINEERS SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- WHEN DETAILS LABELED "TYPICAL" OR "SIMILAR" ARE GIVEN ON DRAWINGS, THE CONTRACTOR SHALL APPLY THE INTENT OF THE DETAIL TO ALL SIMILAR CONDITIONS THAT IT APPLIES.
- CONNECTIONS AND IMPLIED CONSTRUCTION ASSEMBLIES THAT ARE NOT SPECIFICALLY DESCRIBED OR DETAILED SHALL BE CONSTRUCTED USING STANDARD CONSTRUCTION PRACTICES IN COMPLIANCE WITH THE GOVERNING CODES AND ORDINANCES.

SYMBOLS



PROJECT LOCATION



1936 Carlotta Dr.,
Concord, CA 94519

3211 Romino Way
Lafayette, California 94549
925.949.8333 tel.

STRUCTURAL ENGINEER
TSA STRUCTURAL ENGINEERS

433 AIRPORT BLVD., #106E
BURLINGAME, CA 94010
TEL. (650) 620-9555

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

FILE # 7-29
APPL # 01-117193
KARLENE GULLONE/ELS/Ally SS BDF - BRYAN FRANK
DATE 3/14/18

PROJECT TITLE:
VOLUNTARY ACCESSIBLE UPGRADE TO STUDENTS' RESTROOMS

SUNRISE SPECIAL EDUC. ELEM. SCHOOL

KEY PLANS:

REVISIONS:

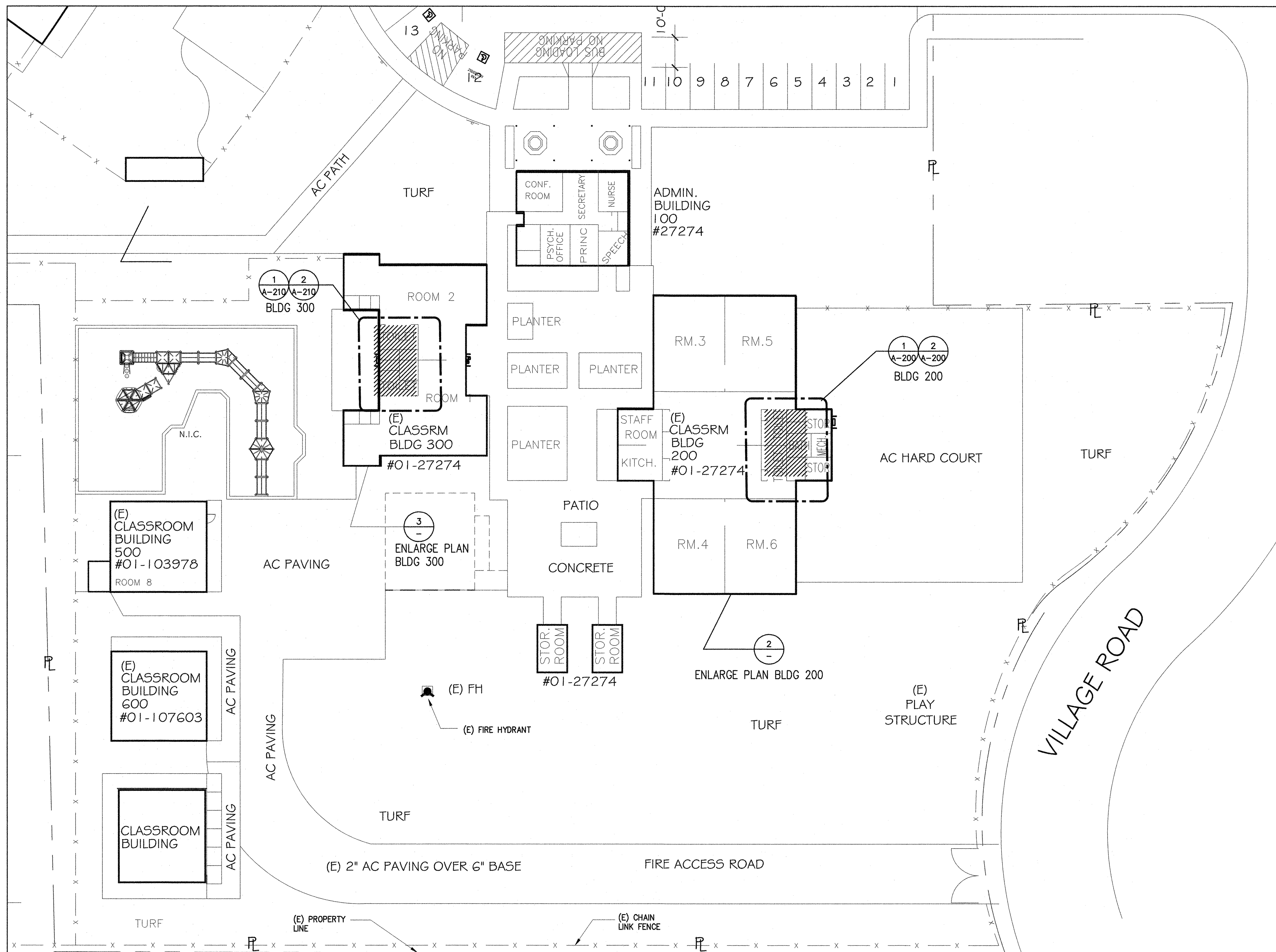
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1/16/2018	DSA PROJECT SUBMITTAL	
3/14/2018	DSA BACKCHECK	
3/16/2018	FINAL BID SET	

PHD ARCHITECTS JOB #
17-215

SCALE:
AS NOTED

DATE:
3/14/18

SHEET NAME & NUMBER:
TITLE SHEET
A-000



EXISTING BUILDING DATA

BUILDING	DESCRIPTION	AREA	OCC.	CONTS. TYPE
BLDG 200	BOYS' TOILET THIS APPLICATION	150 SQ. FT	E-1	V-B
	GIRLS' TOILET THIS APPLICATION	150 SQ. FT	E-1	V-B
BLDG 300	ALL GENDER TOILET THIS APPLICATION	160 SQ. FT	E-1	V-B
	ALL GENDER TOILET THIS APPLICATION	160 SQ. FT	E-1	V-B

BID & CONSTRUCTION REQUIREMENTS

THE CONTRACTOR IS REQUIRED TO VERIFY IN FIELD ACTUAL EXISTING EXPOSED CONDITION AND EXTENT OF DEMOLITION AND CONSTRUCTION REQUIRED TO PERFORM THE JOB PRIOR TO BID - NOT ALL EXISTING CONDITIONS ARE SHOWN ON THE DRAWINGS.

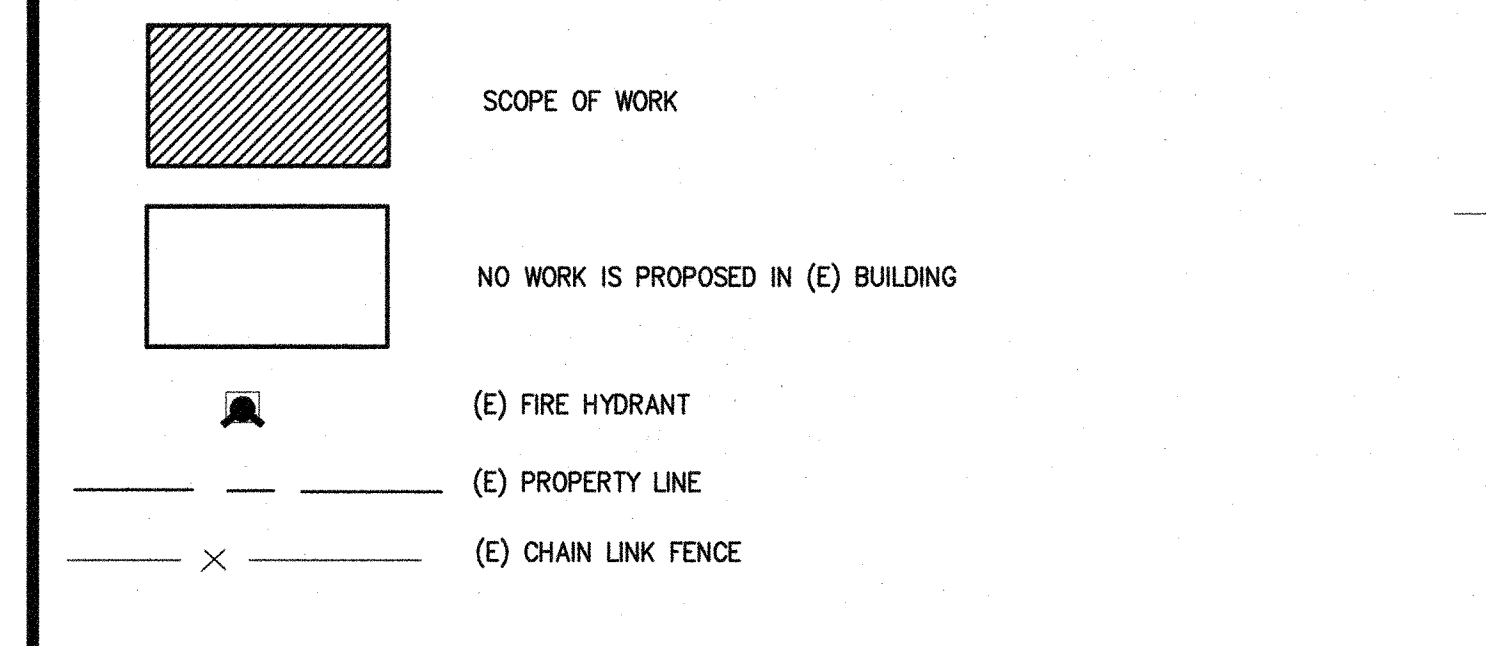
THE ABOVE IS APPLICABLE FOR THE EXTERIOR AND THE INTERIOR OF THE BUILDING WITHIN THE AREA OF THE SCOPE OF WORK.

IT IS UNDERSTOOD THAT THESE APPROVED DRAWINGS ARE SHOWING THE INTENT OF THE SCOPE OF WORK AND ASSUMPTIONS HAVE BEEN MADE. CONTINGENCY FOR REMOVAL/RE-ROUTING, RE-CONSTRUCTING, RE-SIZING EXISTING INTERIOR & EXTERIOR UTILITY LINES SUCH AS (BUT NOT LIMITED TO) GAS, SEWER, WATER, DRAINS, CLEAN-OUTS, WALL & CEILING MOUNTED FIRE ALARM EQUIPMENT, MONITOR DEVICES & SENSORS, LIGHTING FIXTURES & EQUIPMENT, ELECTRICAL BOXES, PLUGS & SWITCHES AND RELATED CABLES & CONDUITS (CONCEALED AND NOT) MUST BE INCLUDED ON THE BASE BID.

THE DISTRICT HAS MADE AVAILABLE ALL AS-BUILT INFORMATION FOR THE CONTRACTOR TO ASSES SCOPE AS ACCURATE AS POSSIBLE PRIOR TO FINAL BID.

WITH THE ABOVE THE CONTRACTOR IS ADVISED AND AGREES THAT THE DISTRICT WILL NOT NEGOTIATE ADDITIONAL COMPENSATIONS ON ITEMS NOT SHOWN ON THE DRAWINGS BUT, VISIBLE AND/OR EXPOSED AND REASONABLY ASSUMED FROM THE PROJECT SCOPE AND OBVIOUSLY REQUIRED TO BE PERFORMED IN ORDER TO ATTAIN A COMPLETE AND FINISHED PRODUCT

SHEET LEGEND



MEP Component Anchorage Note
 All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the DSA approved construction documents. Where no detail is indicated, the following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2016 CBC, Sections 1616A.1.18 through 1616A.1.26 and ASCE 7-10 Chapter 13, 26 and 30.

- All permanent equipment and components.
- Temporary or movable equipment that is permanently attached (e.g. hard wired) to the building utility services such as electricity, gas or water.
- Movable equipment which is stationed in one place for more than 8 hours and heavier than 400 pounds or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component are required to be anchored with temporary attachments.

The following mechanical and electrical components shall be positively attached to the structure, but the attachment need not be detailed on the plans. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit.

- Components weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
- Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.

For those elements that do not require details on the approved drawings, the installation shall be subject to the approval of the design professional in general responsible charge or structural engineer delegated responsibility and the DSA District Structural Engineer. The project inspector will verify that all components and equipment have been anchored in accordance with above requirements.

Piping, Ductwork, and Electrical Distribution System Bracing Note
 Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-10 Section 13.3 as defined in ASCE 7-10 Section 13.6.5.6, 13.6.7, 13.6.8, and 2016 CBC, Sections 1616A.1.24, 1616A.1.25 and 1616A.1.26.

The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a pre-approved installation guide (e.g. SMACNA or OSHPD OPM), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.

Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E):

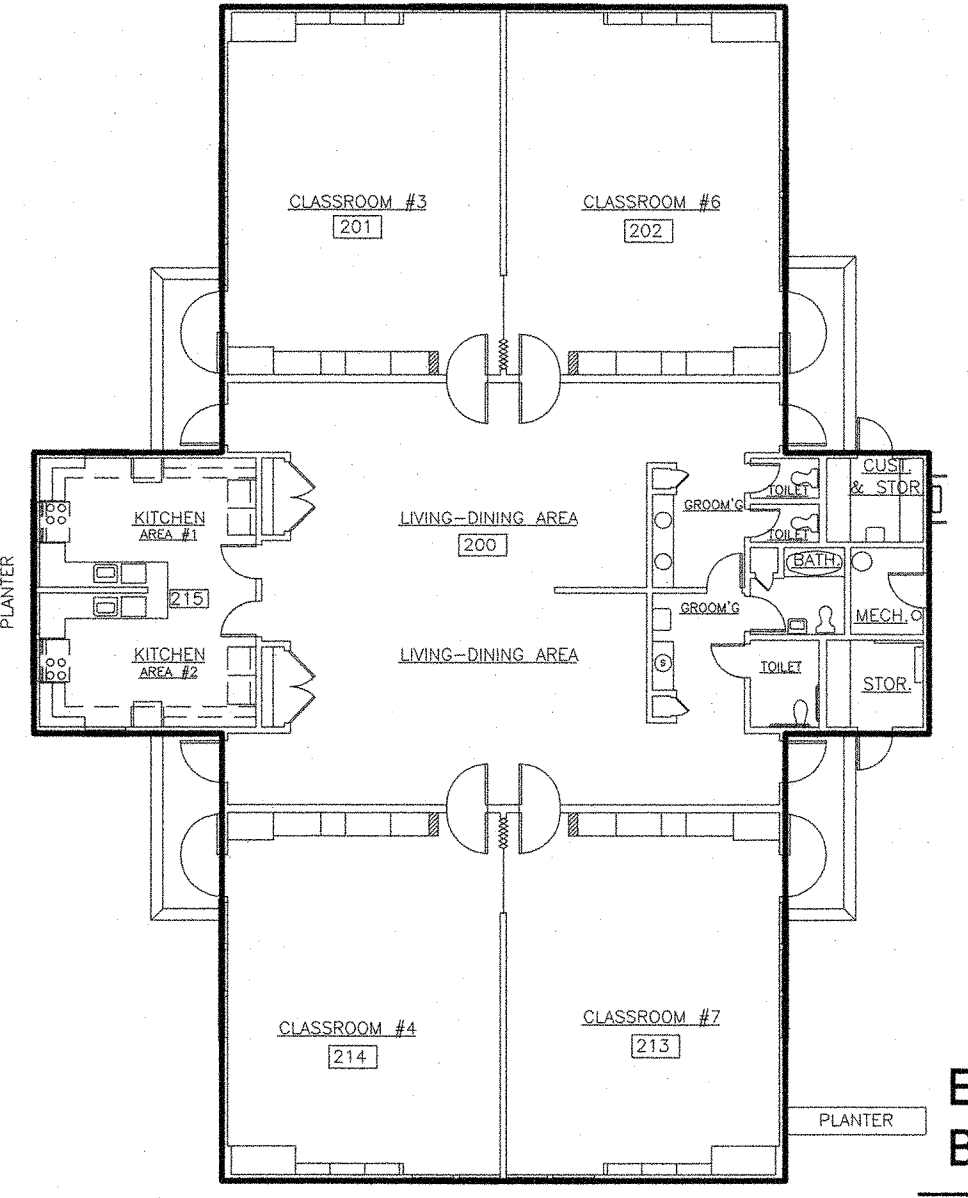
MP MD PP E - Option 1: Detailed on the approved drawings with project specific notes and details.

MP MD PP E - Option 2: Shall comply with the applicable OSHPD Pre-Approval (OPM) # _____.

MP MD PP E - Option 3: Shall comply with the SMACNA Seismic Restraint Manual, OSHPD Edition (2009), including any addenda. Fasteners and other attachments not specifically identified in the SMACNA Seismic Restraint Manual, OSHPD Edition, are detailed on the approved drawings with project specific notes and details. The details shall account for the applicable Seismic Hazard Level _____ and Connection Level _____ for the project and conditions.

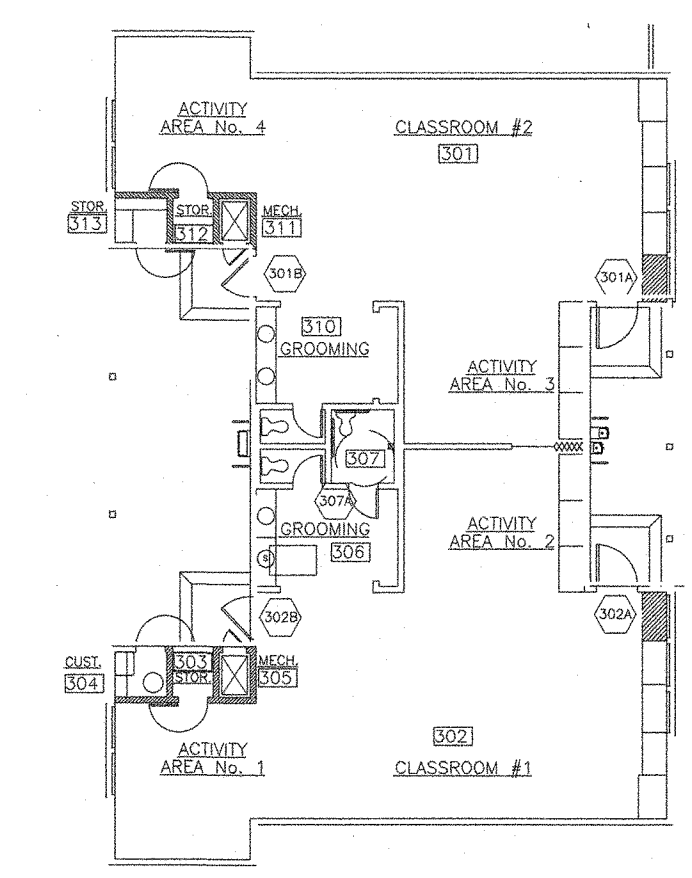
SUNRISE SPECIAL EDUC. SCHOOL - EXISTING SITE PLAN

SCALE: 1"=20'-0" **1**



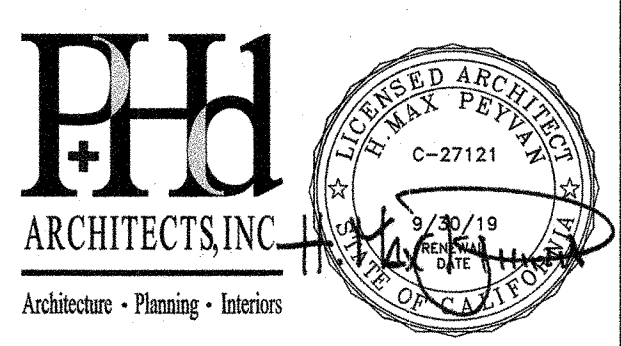
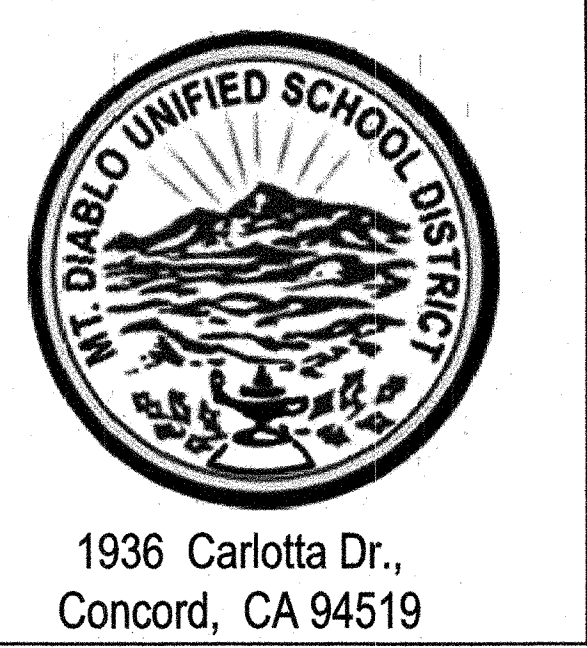
ENLARGE EXISTING PLAN - BLDG 200 - FOR INFO. ONLY

SCALE: 1/16"=1'-0" **2**



ENLARGE EXISTING PLAN - BLDG 300 - FOR INFO. ONLY

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



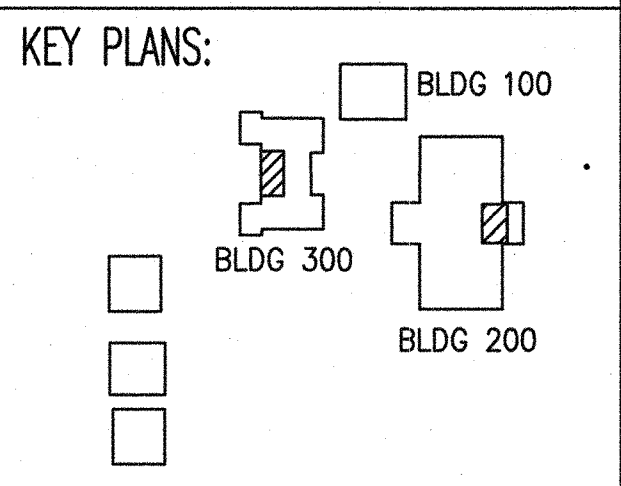
3211 Ronimo Way
 Lafayette, California 94549
 925.949.8333 tel.

STRUCTURAL ENGINEER
 TSA STRUCTURAL ENGINEERS
 433 AIRPORT BLVD., #106E
 BURLINGAME, CA 94010
 TEL. (650) 620-9555

IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE # 7-29
APPL # 01-117193
 AC *FLS* *AW* *SS* *PDF*
 DATE 3/14/18

PROJECT TITLE:
**VOLUNTARY ACCESSIBLE
 UPGRADE TO STUDENTS'
 RESTROOMS**

**SUNRISE SPECIAL
 EDUC. ELEM. SCHOOL**



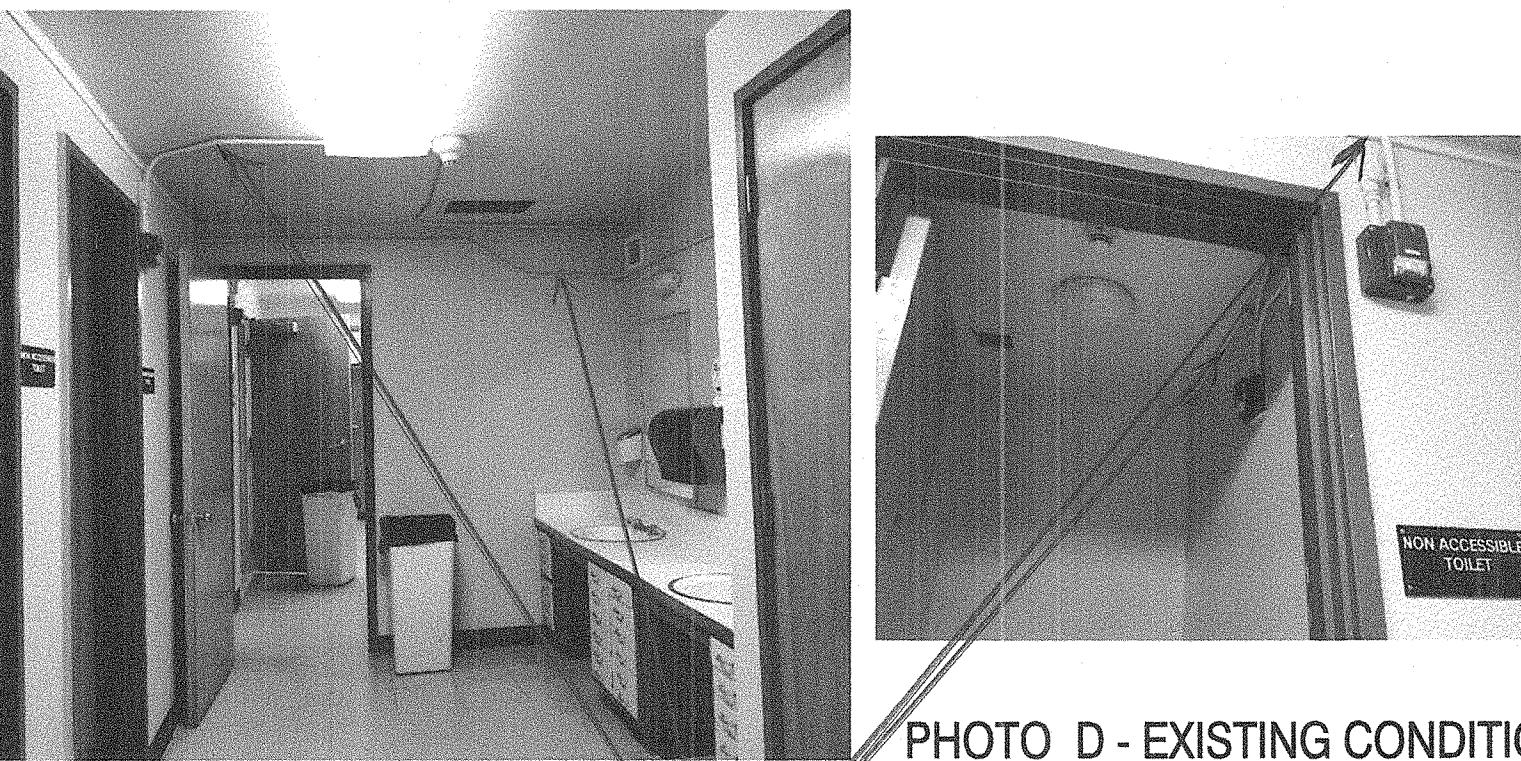
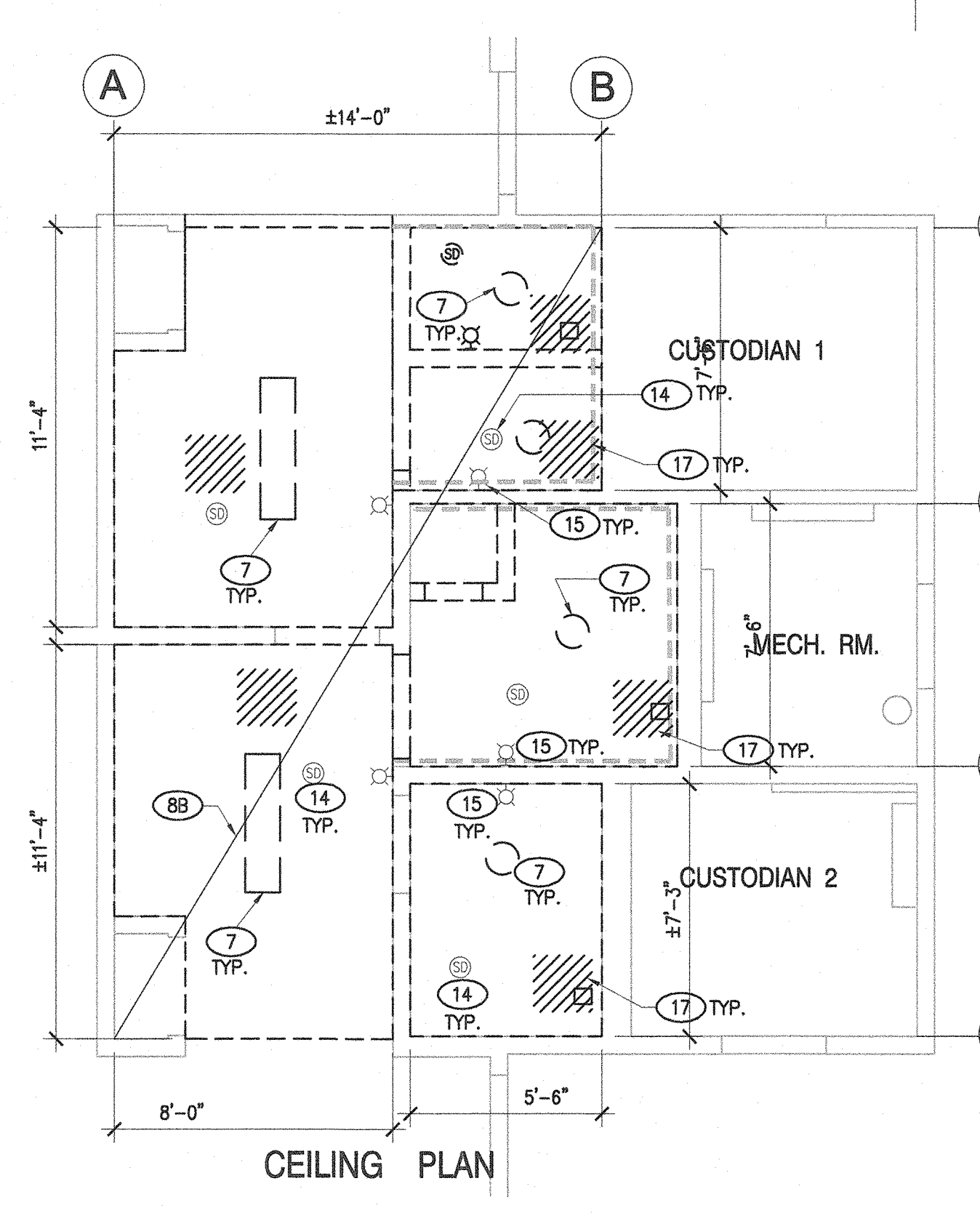
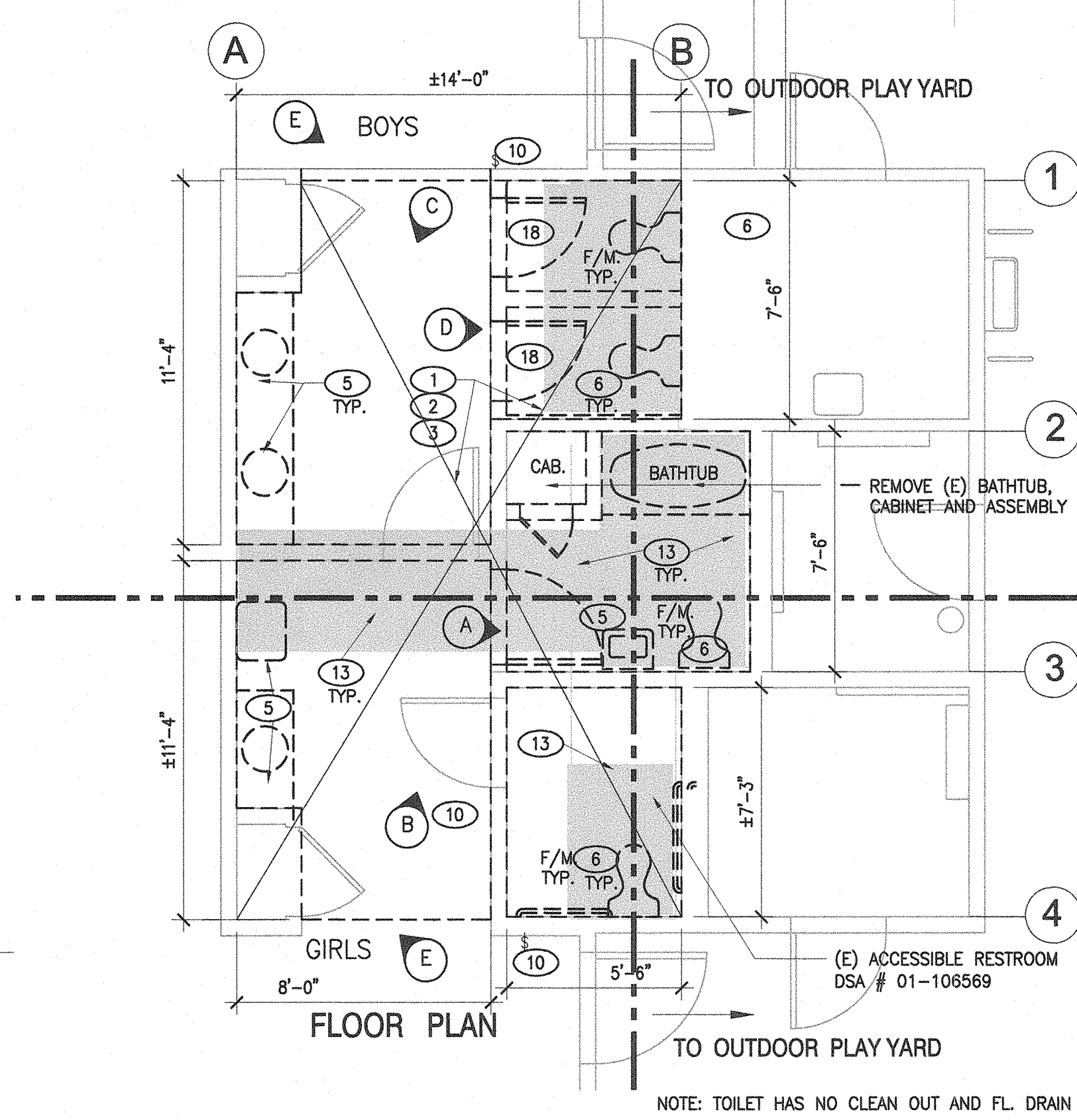
REVISIONS:

date	description	symbol
1/16/2018	DSA PROJECT SUBMITAL	
3/14/2018	DSA BACKCHECK	
3/16/2018	FINAL BID SET	

PHD ARCHITECTS JOB #
17-215

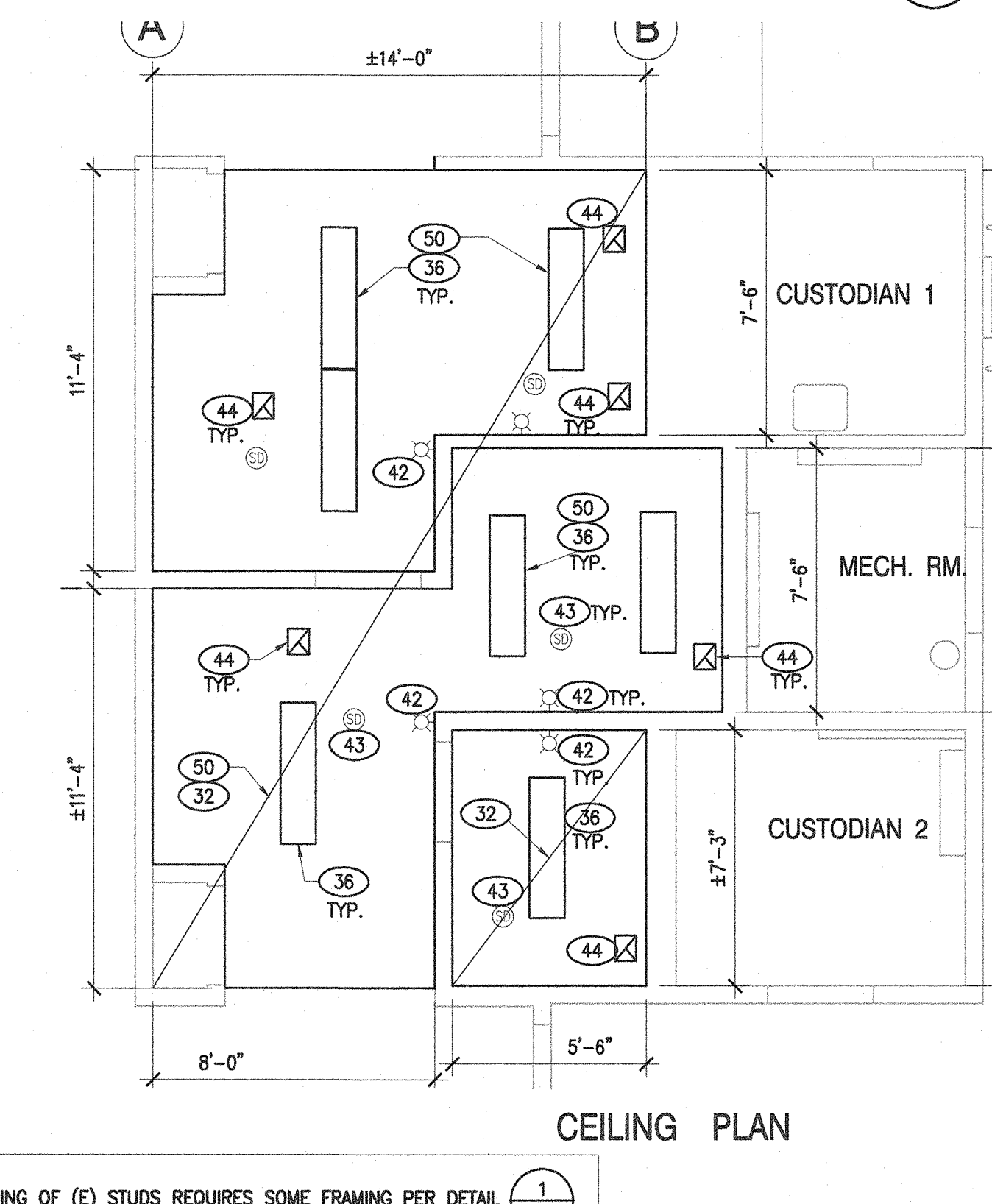
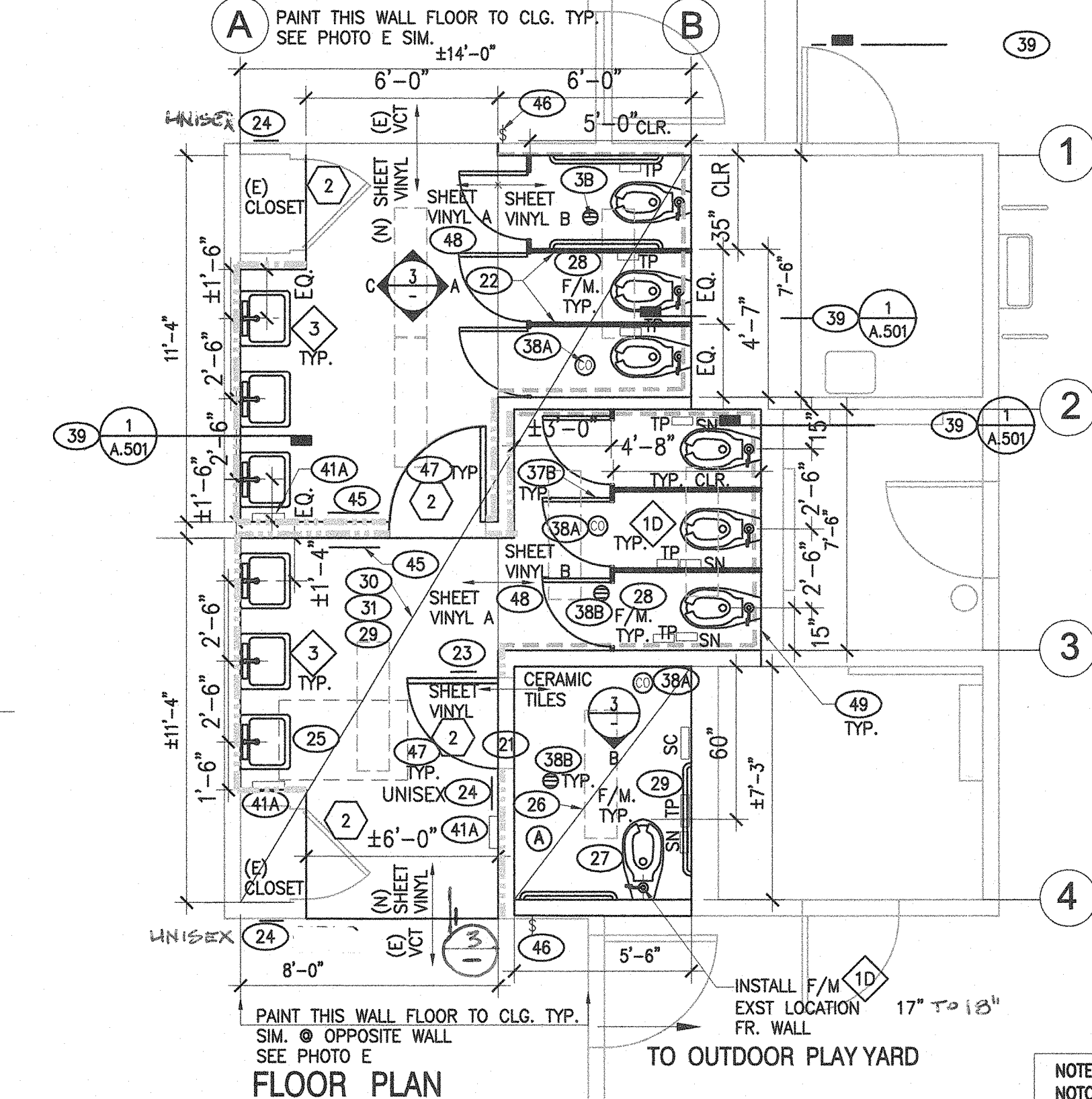
SCALE: **AS NOTED** DATE: **3/14/18**

SHEET NAME & NUMBER:
**SITE PLAN /
 ACCESS INFO.**
A-001



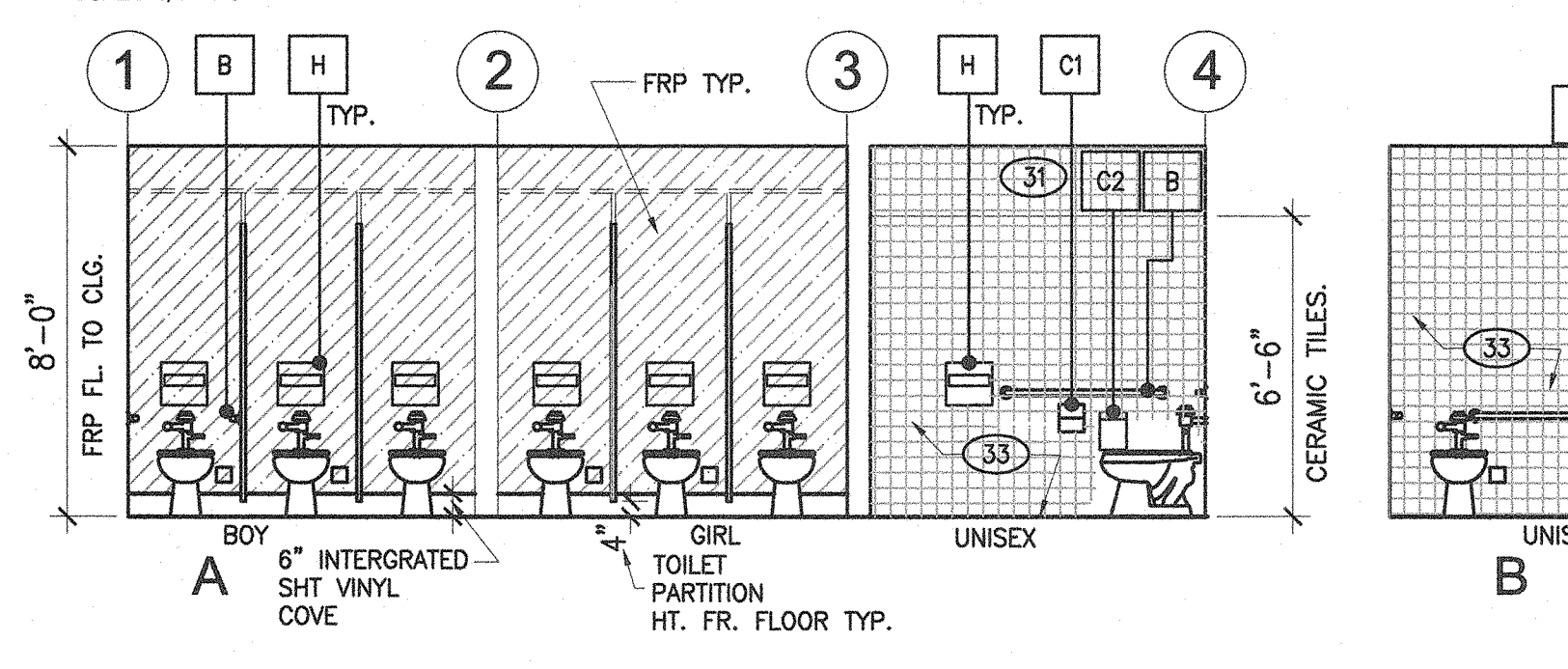
DEMOLITION PLAN - BOYS' AND GIRLS' TOILET ROOM @ BLDG 200

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



PROPOSED FLOOR PLAN - BOYS' AND GIRLS' TOILET ROOM @ BLDG 200

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



INTERIOR ELEVATIONS - BOYS' AND GIRLS' TOILET ROOM @ BLDG 200

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

PHOTO C - EXISTING CONDITION

RELOCATE AND CONCEAL (E) PIPING / CONDUIT. INCLUDE ALL LABOR AND MATERIAL TO RE-RUN (N) PIPING/CONDUIT THROUGH THE WALL BET. STUDS & CLG. JOIST. FILL ALL EXTERIOR & INTERIOR PENETRATIONS TIGHT & PER DETAIL.

NOTE: CONTRACTOR SHALL VISIT, EXAMINE AND COORDINATE ALL RE-ROUTING OF (E) PIPES AND CONDUITS. REFER GENERAL NOTES #22 SHEET A.300

PAINT THIS WALL FLOOR TO CLG. TYP.

REPLACE (E) WOOD TRIM ALL SIDES TYP. FOR BOTH SIDES OF RESTROOM WITH NEW. PREP FOR NEW PAINT.

REFURBISH (E) WOOD DOOR AND FRAME LIKE (N). PREP. DOOR FOR WOOD STAIN TDB - TYP. FOR ALL WOOD DOORS (4 TOTAL) IN RESTROOM. SEE #2

PROVIDE SCHULTER CORNER STRIP GUARD BETWEEN GYP. BD. AND WALL TILES. TYP. AT ALL CORNER CONDITIONS

PHOTO E - EXISTING CONDITION

PROPOSED RESTROOM FINISH @ BLDG 200

INSTALL PER MANUFACTURERS. SEE CUT SHEET

(A) FLOOR TILES AT (E) ACCESSIBLE RESTROOM - DALTILES 2X2 KEYSTONES COLOR TBD

WALL COLOR AND CEILING COLOR TBD

WALL CERAMIC TILES DALTILE P687 SOLEIL LINEN

FLOOR - SHEET VINYL WITH 6" COVE. SEE CONSTRUCTION KEYNOTES #26

FOR SLOPE OF (N) FLOOR.

SHT VINYL A - ARMSTRONG HOMOGENOUS COLORART MEDITONE H5438 LIGHT AUBERGINE

SHT VINYL B - ARMSTRONG HOMOGENOUS COLORART MEDITONE H5428 HYDRANGEA

FRP (WALL) - CRANE COMPOSITES VARIETEX CLASS A LINEN TEXTURE. MUST USE CRANE COMPOSITE SILHOUETTE TRIM FOR PANEL JOINT.

NOTE: PROVIDE SCHULTER TRANSITION STRIP BETWEEN SHEET VINYL COVE AND CERAMIC TILES WALL

PROVIDE SCHULTER TRANSITION STRIP BETWEEN SHEET VINYL COVE AND FRP (WALL)

SCHULTER

CONSTRUCTION KEYNOTES cont.

(45) MIRROR; COORDINATE WITH #11

(46) KEYLESS LIGHT SWITCH (MUST INTERLOCK W/ EXHAUST FAN ON-OFF)

(47) REFURBISH (E) WOOD DOOR AND FRAME LIKE (N). PREP. DOOR FOR WOOD STAIN TDB - TYP. FOR ALL WOOD DOORS (4 TOTAL) IN RESTROOM

(48) SHEET VINYL WITH 6" COVE. SEE CONSTRUCTION KEYNOTES #26

(49) FRP WALL FINISHES

(50) ADD COMPLETE WIRING AND ASSEMBLY FOR ADDITIONAL LIGHTING FIXTURES

LEGEND

SEE SHT A-300 FOR PLUMBING SCHEDULE

SEE SHT A-300 FOR DOOR SCHEDULE

SEE SHT A-300 FOR TOILET ACCESSORIES SCHEDULE

F/M FLOOR MOUNTED WALL MOUNTED

SN SANITARY NAPKIN

TP TOILET PAPER DISPENSER

SC SEAT COVER

NT NAPKIN/TAMPON DISPENSER

CERAMIC TILES WALL

FIRE ALARM STROBE

1 X 4 LIGHT FIXTURE

CLEAN OUT / CO

FD FLOOR DRAIN -1/2"

MAX GRATE OPNG

SMOKE DETECTOR

(E) SEWER LINE

PHOTO REFERENCE

FRP WALL FINISHES

DEMOLITION KEYNOTES

- DEMOLISH EXISTING WALL FINISHES (UP TO THE STUDS) FLOOR TO CEILING (INCLUDING TILES & THICK GROUT / GYP. BD. / PLASTER ASSEMBLY AS REQUIRED). INCLUDE ALL DEMOLITION REQUIRED FOR THE INSTALLATION OF THE NEW PLUMBING LINES & NEW BLOCKING OUT, CAP & PROTECT EXISTING PLUMBING & ELECTRICAL LINES IF SCHEDULED TO REMAIN, AS NEEDED. (E) FLYND / DIAGONAL SHEATHING SHALL NOT BE REMOVED UNLESS APPROVED BY THE DSA DIST. ENR.
- DEMOLISH THE EXISTING FINISH FLOOR ASSEMBLY (INCLUDING THE GROUT BED) & BASE ASSEMBLY AS REQUIRED. REMOVE ALL FLOOR MOUNTED CLEAN-OUT COVERS & DRAIN (FOR REPLACEMENT). (NOTES: THE GROUT BED THICKNESS VARIES, REFER TO THE DEMOLITION NOTE #6 SHEET A-300. THE EXISTING FINISHED TILE FLOOR SLOPES TOWARDS THE DRAINS)
- REMOVE ALL EXISTING TOILET ACCESSORIES & ASSEMBLY (AS APPLICABLE BUT NOT LIMITED TO): SOAP DISPENSER, PAPER DISPENSER, MIRROR, WASTE RECEPTACLE, ETC.)
- REMOVE EXISTING TOILET PARTITIONS SYSTEM & ASSEMBLY (INCLUDING ANCHORS, ETC.) - NOT USED
- REMOVE EXISTING LAVATORY (& ASSEMBLY)
- REMOVE EXISTING TOILET/URNAL FIXTURE (& ASSEMBLY)
- REMOVE THE EXISTING LIGHT FIXTURES (& ASSEMBLY)
- WHERE NOTED REMOVE: A) EXIST. CLG. GUELED-ON TILES & PLASTER ASSEMBLY (INCL. THE LATH) OR WOOD STRIPPING. (V.I.F. (E) CLG. CONST.) OR B) PLASTER CLG. AND ASSEMBLY INCL. THE LATH
- DEMOLISH THE EXISTING NON-LOAD BEARING PARTITION (INCLUDING ASSEMBLIES & COILING/CURE) - NOT USED
- REPLACE THE EXISTING LIGHT SWITCH CONTROL PLATE WITH NEW KEYLESS LIGHT SWITCH
- WHERE NOTED: PROVIDE DEMOLITION FOR THE EXTERIOR CONCRETE DOOR LANDING - NOT USED
- DEMOLISH THE EXISTING (NON-LOAD BEARING) PARTITION/WALL & ASSEMBLY (INCLUDING THE CONCRETE CURB) AS NEEDED & PREPARE FOR THE NEW PLUMBING WORK - SEE #17/AS300 FOR TYP. PIPE SIZES LAYOUT - NOT USED
- DEMO/SAW/CUT THE EXISTING CONCRETE FLOOR (& ASSEMBLY) AS NEEDED TO INSTALL & CONNECT THE NEW TOILETS AND/OR URINALS TO THE PLUMBING UTILITIES (NOTES: REFER TO THE DEMOLITION NOTE #6 SHEET A-300 FOR GROUT BED & CONCRETE SLAB ASSEMBLIES & THICKNESS. THE EXISTING FINISHED TILE FLOOR SLOPES TOWARDS THE DRAINS 1/8" X FOOT; INCREASED CONC. THICKNESS AROUND FOOTINGS & FLOOR URINALS). SEE AS-BUILT REFERENCE SHEET FOR SIMILAR ASSEMBLY CONDITIONS. HOWEVER THE CONTRACTOR MUST EXAMINE THE AVAILABLE DISTRICT, SITE-SPECIFIC AS-BUILT SETS FOR ADDITIONAL INFORMATION. HATCHED AREA IS SCHEMATIC AND SHOWS INTENT ONLY
- EXISTING CEILING MOUNTED SMOKE DETECTOR (INCLUDE CONTINGENCY TO RE-LOCATE AT 36" MIN. FROM EXHAUST FAN & 12" FROM LIGHT FIXTURE)
- EXISTING WALL MOUNTED FIRE ALARM STROBE @ WALL TO BE RE-INSTALLED AT SAME LOCATION
- REMOVE THE EXISTING FLOOR DRAIN & ASSEMBLY / CLEAN OUT & ASSEMBLY - COORDINATE WITH NOTE #32, SHEET A-300
- DEMOLISH/CUT (E) CEILING/ROOF ASSEMBLY FOR THE NEW EXHAUST FAN. V.I.F FOR BEST LOCATION
- REMOVE EXISTING DOOR AND DOOR FRAME ASSEMBLY

CONSTRUCTION KEYNOTES

IMPORTANT: ALL DEMOLITION & CONSTRUCTION KEYNOTES ON THIS SHEET MUST BE COORDINATED WITH SHEET A-300 NOTES FOR ADDITIONAL SCOPE OF WORK

** FOLLOW ACCESSIBLE MOUNTING HEIGHT TABLE ON SHEET A-300

- INTERIOR EXTERIOR DOOR THRESHOLD, PER #8 A.500
- TOILET COMPARTMENT PARTITION/DOOR SYSTEM (& ASSEMBLIES), SEE COORDINATE WITH NOTES & SCHEDULES ON SHEET A-300
- DOOR SIGN, BOTH SIDES INT. AND EXTF. SEE #3 A.500
- ROOM ID. SIGN, PER #4 A.500
- ACCESSIBLE LAVATORY; SEE FIXTURE SCHEDULE ON SHEET A-300
- CERAMIC TILE FLOOR SYSTEM (SLOPE 1/8" X FT. MIN. TO 1/4" X FT. MAX.) TO THE FLOOR DRAIN(S). NEW FLOOR NOT TO EXCEED 1:48 SLOPE IN ALL DIRECTIONS. FINISH FLOOR MUST BE STABLE, FIRM & SLIP RESISTANT FOR THE USE INTENDED
- ACCESSIBLE TOILET FIXTURE & FLUSHOMETER (LEVER TO BE ON THE OPEN SIDE); COORDINATE WITH THE FIXTURE SCHEDULE & CONSTRUCTION NOTES ON SHEET A-300
- TOILET FIXTURE & FLUSHOMETER; CTR. BETWEEN TOILET STALLS; COORDINATE WITH THE FIXTURE SCHEDULE & CONSTRUCTION NOTES ON SHEET A-300
- GRAB-BAR, SEE #12 A.500 & SHEET A-300 FOR MOUNTING HEIGHT & REQUIREMENTS
- PATCH/RECONSTRUCT THE CONCRETE FLOOR SYSTEM (& ASSEMBLY) PER #7 A.500
- 5/8" (MIN.) GYP. BOARD WALL SHEETING & PAINT FINISH (@ WALL); COORDINATE WITH THE FINISH SCHEDULES ON SHEET A-300
- 5/8" (MIN.) GYP. BOARD CEILING ATTACHED TO (E) BEILING-FRAMING. PREP AND PAINT FINISH. COORDINATE WITH THE CONSTRUCTION NOTE #20, #4 ON SHEET A-300
- 5/8" (MIN.) GYP. BOARD WALL SHEETING & CERAMIC TILES WITH COVED BASE. ALL WALLS. SEE FINISH SCHEDULES ON SHEET A-300. SEE PLAN FOR FL. FINISH
- WRAP P-TRAPS & WATER SUPPLY WITH UNDER-SINK PROTECTORS (USE SNAP-LOCK FASTENERS)
- WHERE NOTED: NEW CONCRETE LANDING. SAME AS NOTE #8 SHEET A-300. NOT USED
- CEILING MOUNTED (NOT-SUSPENDED) LIGHT FIXTURE (14L). INSTALL PER MANUF. RECOMMENDATIONS AND SSP SHEET. CONNECT TO THE (E) WIRING. LAY LIGHT FIX. PER PLAN. INCLUDE LABOR TO ADJUST/MOVE THE ASSEMBLY 12" FROM SMOKE DETECTOR. SEE CUT SHEETS

WHERE NOTED: URINAL SCREEN (24" X 48" HT.). ANGLE BRACKET TO WALL TOP OF SCREEN 60" FR. FFL. AND BOT. OF SCREEN 12" MAX. FR. FFL. - NOT USED

WHERE NOTED: SCRANTON SCREEN (MATCH TOILET PARTITION); BRACE TO WALL & USE 1-1/2" SQ. FLOOR TO CLG POSTS AT OPEN END

PROVIDE NEW CLEAN-OUT ASSEMBLY

PROVIDE COMPLETE FLOOR DRAIN ASSEMBLY. LID GRATE ALONG OPNG. 1" MAX. FLUSH TOP-COVER WITH FINISHED FLOOR. COORDINATE WITH CONST. NOTE #32, #33 SHEET A-300

(E) WALL FRAME TO REMAIN

AGENT-TILES (2-ROWS CONTINUOUS-PATTERN) TYP. ALL WALLS - NOT USED

PAPER TOWEL DISPENSER

ELECTRICAL HAND DRYER. COORD. CONST. NOTE #28 SHT A-300 FOR SCOPE/INFOR.

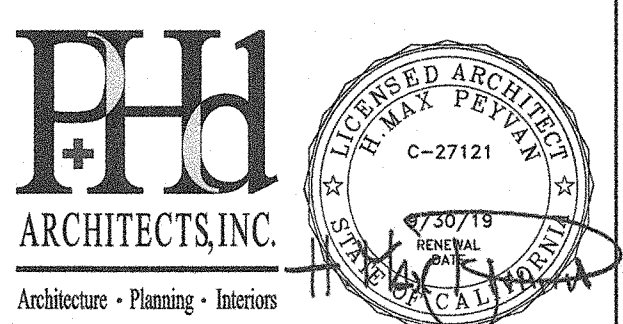
EXISTING WALL MOUNTED FIRE ALARM STROBE (REINSTALLED AFTER WORK)

EXISTING CEILING MOUNTED SMOKE DETECTOR (SEE NOTE #14 ABOVE)

EXHAUST FAN (INCLUDING GRILLE); COORDINATE WITH CONSTRUCTION NOTE #1, #29 ON SHEET A-300. SEE DETAILS #18, #19, #20 & SSP SHEET FOR STRUCTURAL DETAIL



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FILE # 7-29

APPL #01-117193

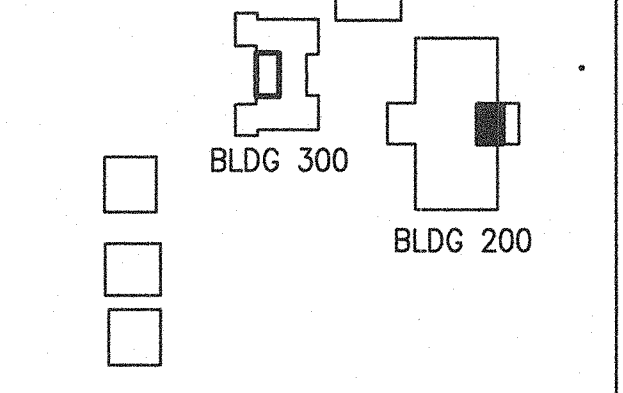
AC *KL* FLS *AW* SS *EDF*

DATE 3/14/18

PROJECT TITLE:
VOLUNTARY ACCESSIBLE
UPGRADE TO STUDENTS'
RESTROOMS

SUNRISE SPECIAL
EDUC. ELEM. SCHOOL

KEY PLANS:



REVISIONS:

date	description	symbol
1/16/2018	DSA PROJECT SUBMITTAL	
3/14/2018	DSA BACKCHECK	
3/16/2018	FINAL BID SET	

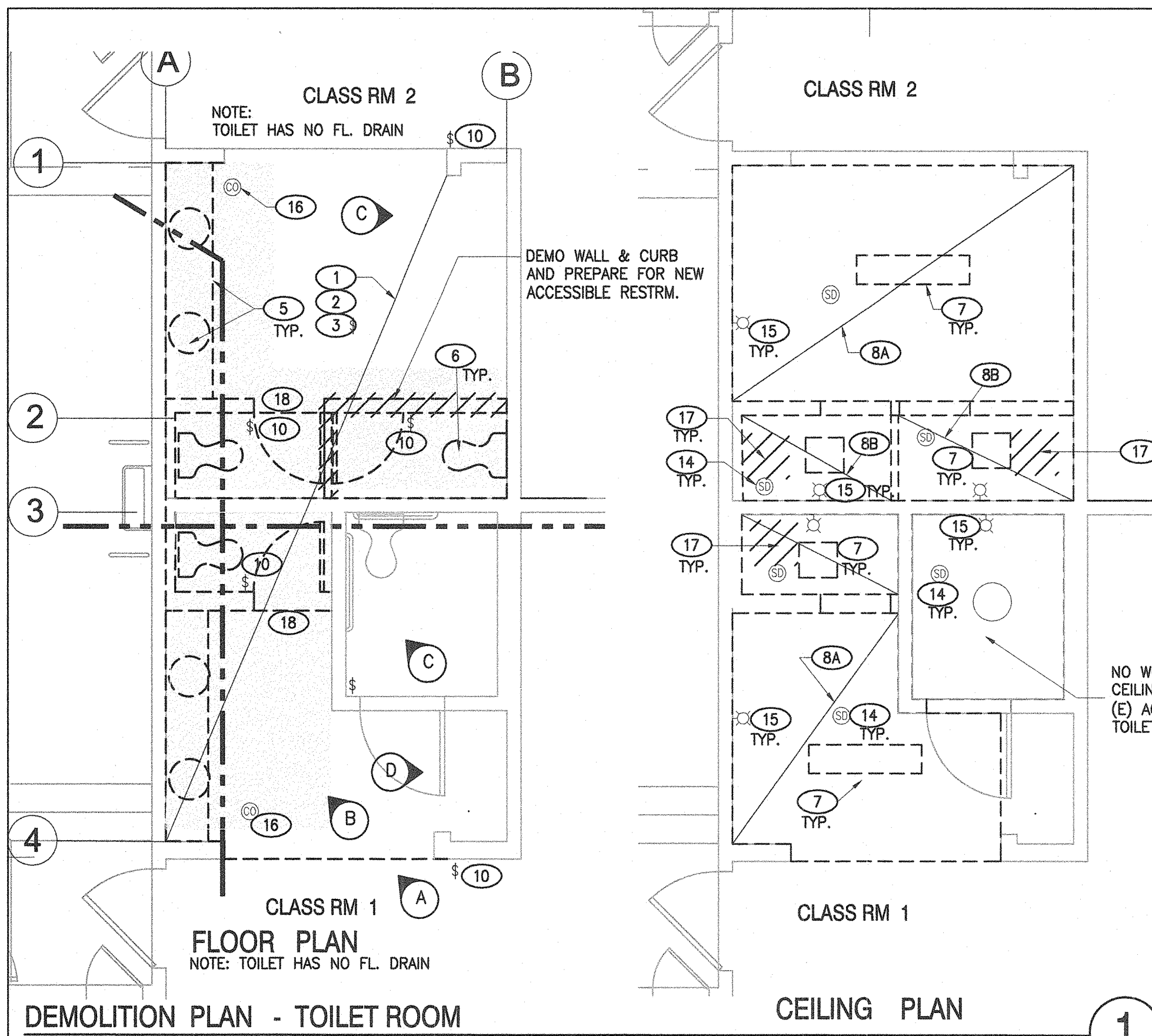
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17-215

SCALE:
AS NOTED

DATE:
3/14/18

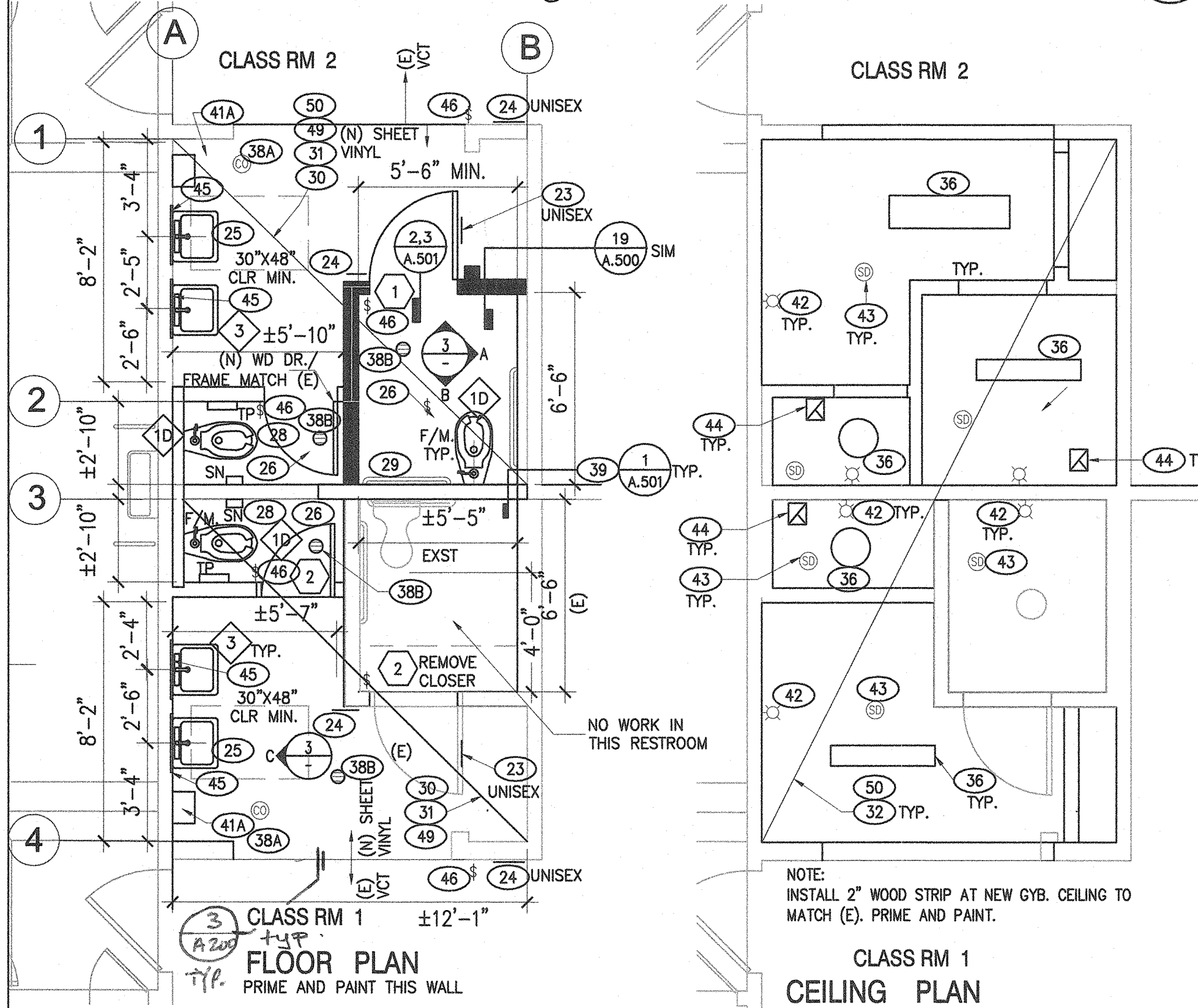
SHEET NAME & NUMBER:
DEMOLITION, FLOOR AND
RCP - BLDG. 200

A-200



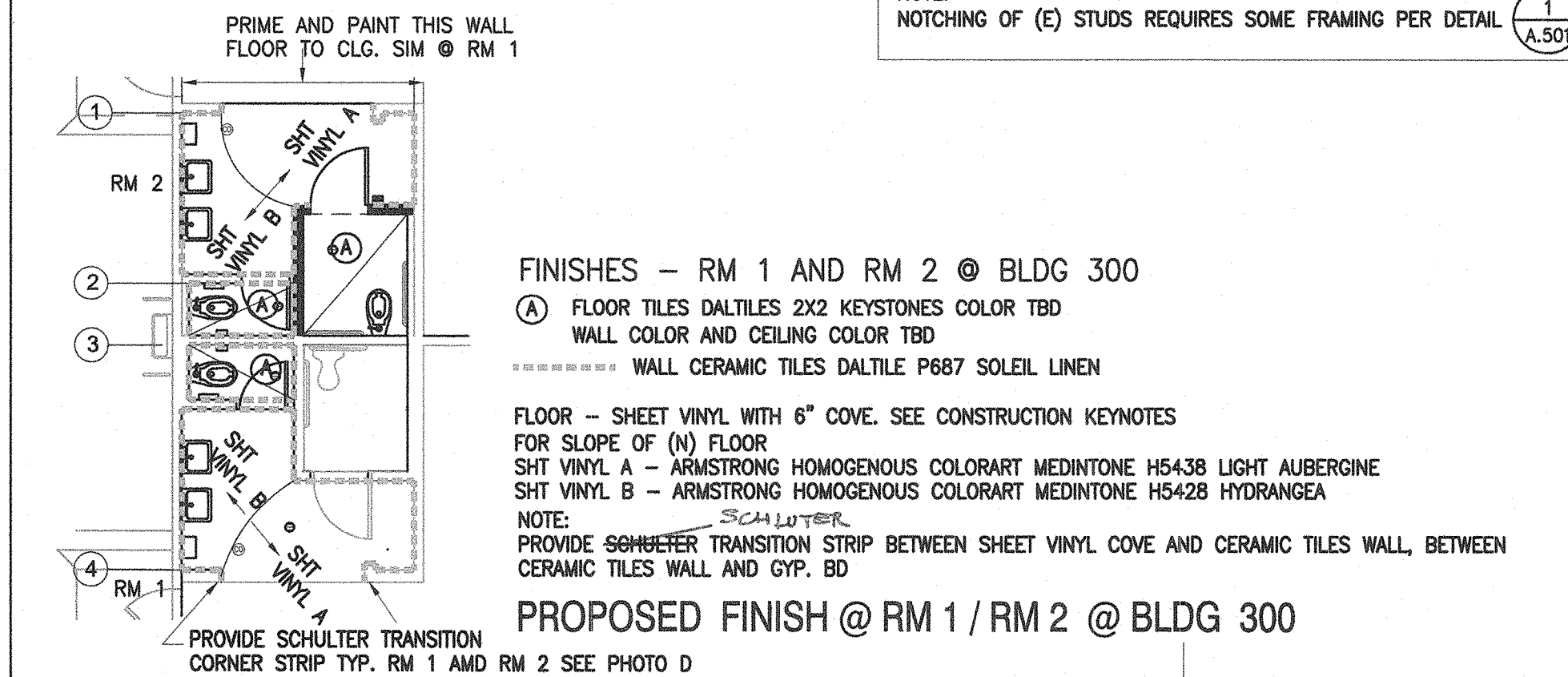
DEMOLITION PLAN - TOILET ROOM @ BLDG 300

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



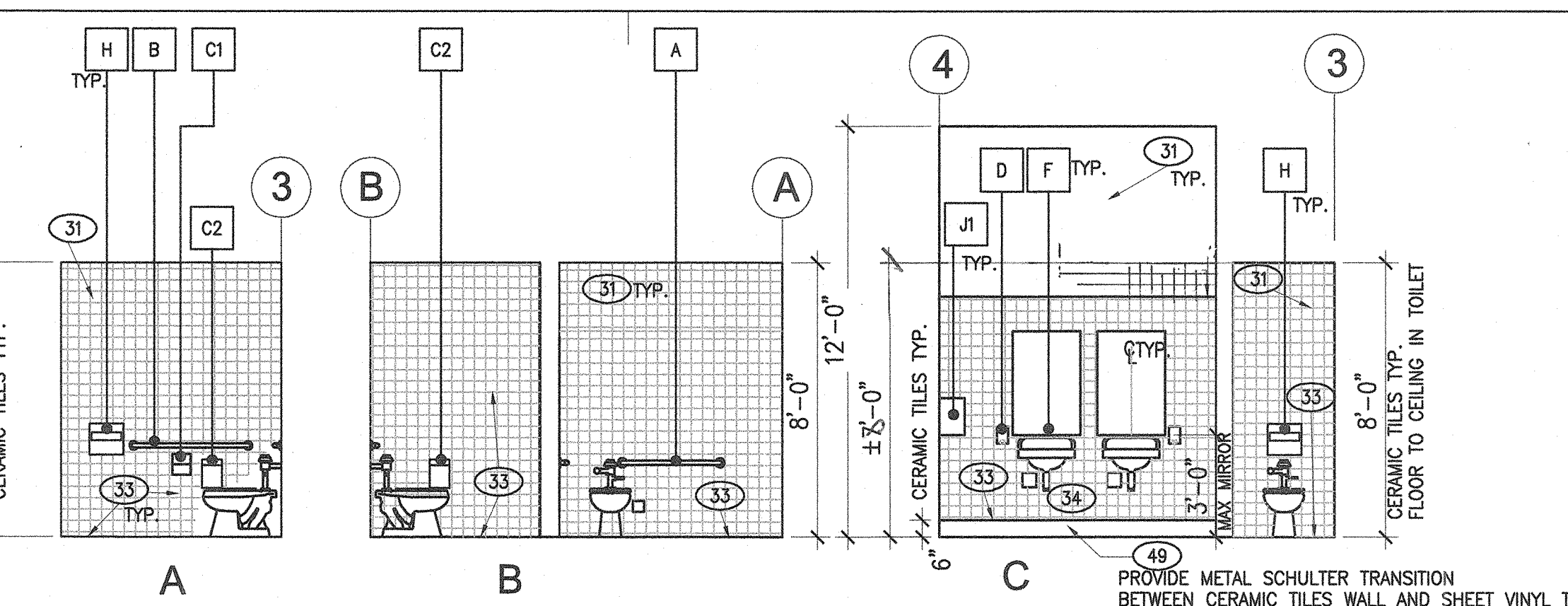
PROPOSED PLAN - BOYS' AND GIRLS' TOILET @ BLDG 300

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



PROPOSED FINISH @ RM 1 / RM 2 @ BLDG 300

- FINISHES - RM 1 AND RM 2 @ BLDG 300**
- 1 FLOOR TILES DALTILE 2X2 KEYSTONES COLOR TBD
 - 2 WALL COLOR AND CEILING COLOR TBD
 - 3 WALL CERAMIC TILES DALTILE P687 SOLEIL LINEN
- FLOOR - SHEET VINYL WITH 6" COVE. SEE CONSTRUCTION KEYNOTES**
- SHT VINYL A - ARNSTRONG HOMOGENOUS COLORART MEDINTONE H5438 LIGHT ALBERGINE**
- SHT VINYL B - ARNSTRONG HOMOGENOUS COLORART MEDINTONE H5428 HYDRANGEA**
- NOTE:**
- 1 PROVIDE SCHULTER TRANSITION STRIP BETWEEN SHEET VINYL COVE AND CERAMIC TILES WALL, BETWEEN CERAMIC TILES WALL AND GYP. BD



INTERIOR ELEVATIONS - @ ROOM 1 (SIMILAR AT ROOM 2)

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

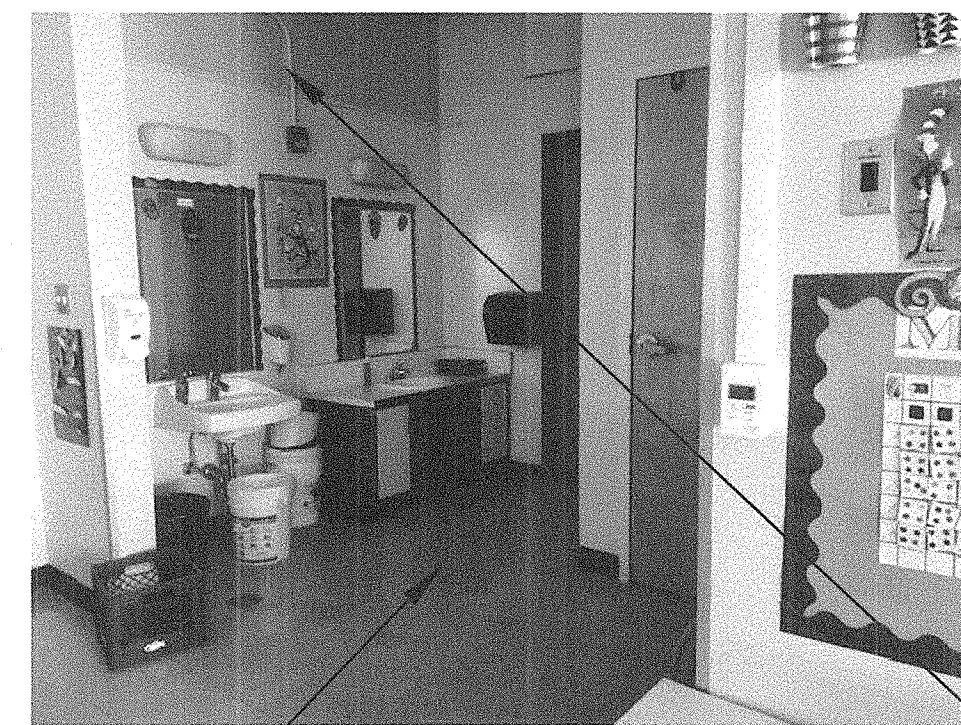


PHOTO A - EXISTING CONDITION SIM. AT CLASS RM 2

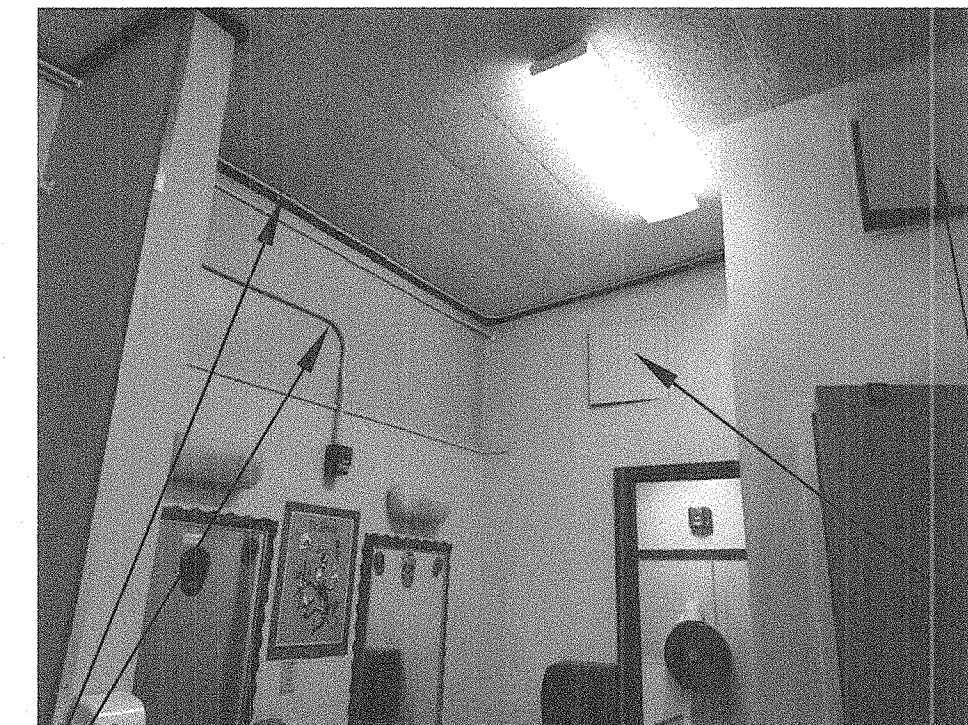


PHOTO B - EXISTING CONDITION SIM. AT CLASS RM 2

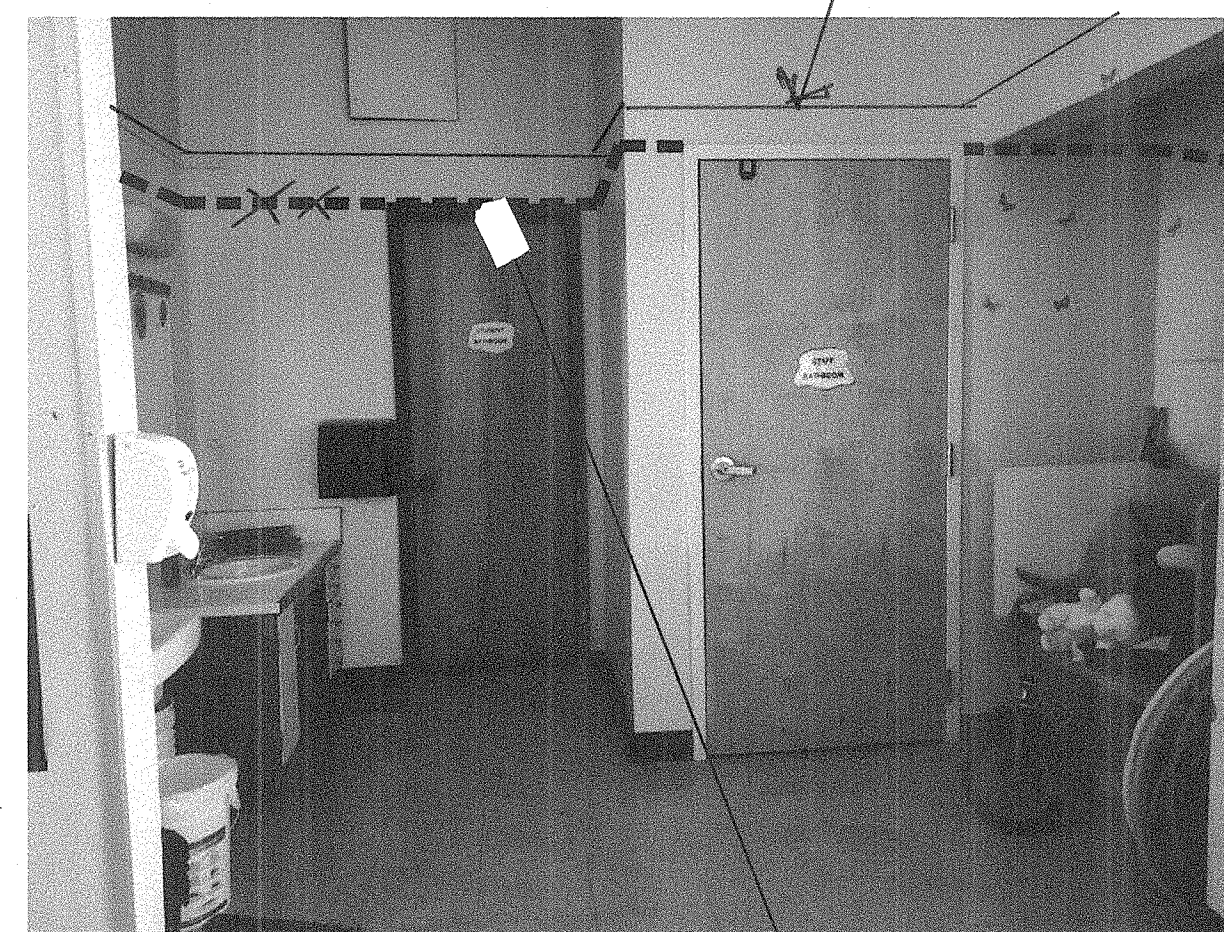


PHOTO C - EXISTING CONDITION AT ACCESSIBLE RESTROOM

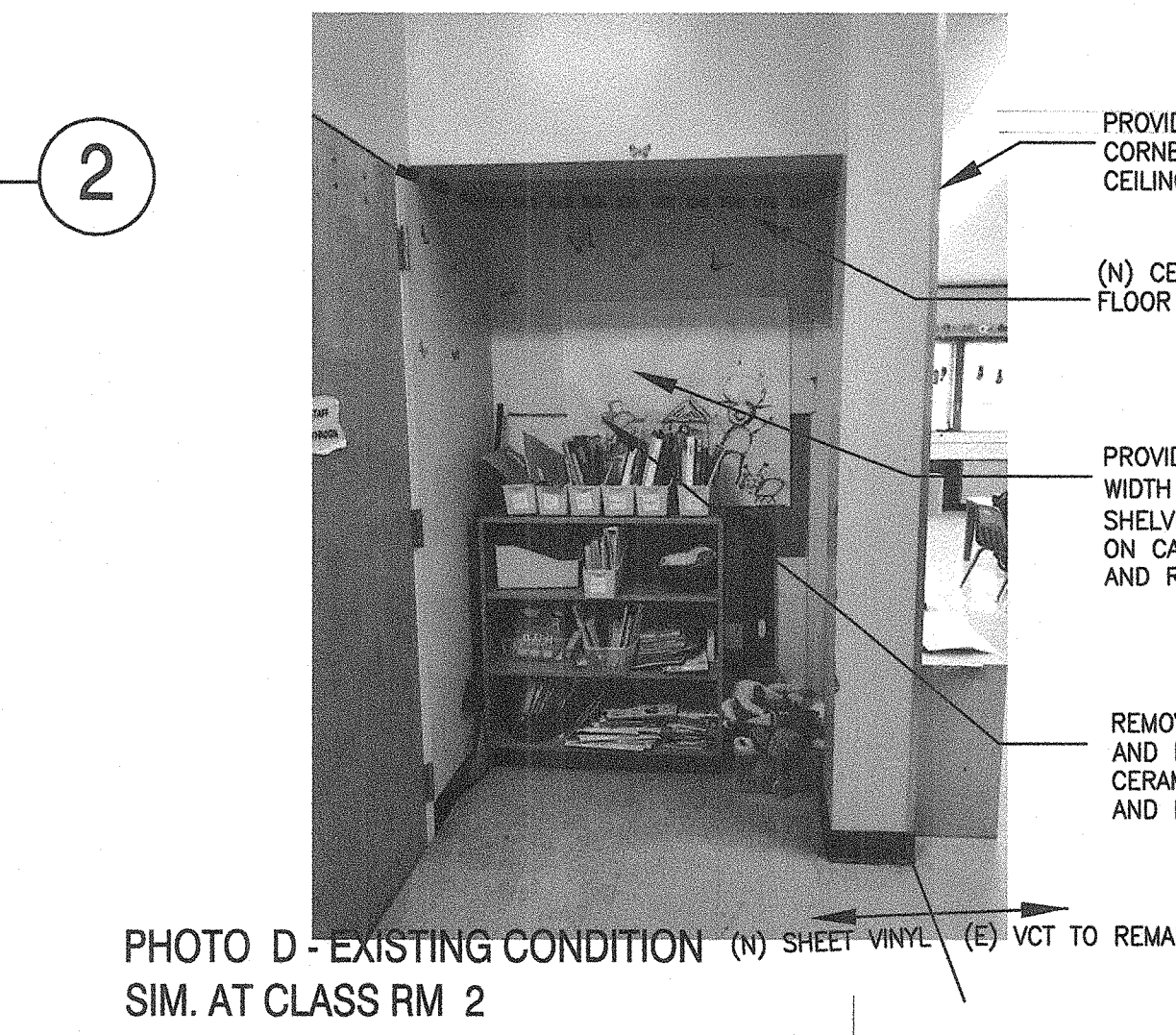


PHOTO D - EXISTING CONDITION SIM. AT CLASS RM 2

DEMOLITION KEYNOTES

- 1 DEMOLISH EXISTING WALL FINISHES (UP TO THE STUDS) FLOOR TO CEILING. (INCLUDING TILES & THICK GROUT / GYP. BD. / PLASTER ASSEMBLY AS REQUIRED). INCLUDE ALL DEMOLITION REQUIRED FOR THE INSTALLATION OF THE NEW PLUMBING LINES & NEW BLOCKING OUT, CAP & PROTECT EXISTING PLUMBING & ELECTRICAL LINES IF SCHEDULED TO REMAIN, AS NEEDED. (E) PLYWOOD / DIAGONAL SHEATHING SHALL NOT BE REMOVED UNLESS APPROVED BY THE OSA DIST. ENG.
- 2 DEMOLISH THE EXISTING FINISH FLOOR ASSEMBLY (INCLUDING THE GROUT BED) & BASE ASSEMBLY AS REQUIRED. REMOVE ALL FLOOR MOUNTED CLEAN-OUT COVERS & DRAIN (FOR REPLACEMENT). (NOTES: THE GROUT BED THICKNESS VARIES, REFER TO THE DEMOLITION NOTE #3 SHEET A-300. THE EXISTING FINISHED TILE FLOOR SLOPES TOWARDS THE DRAINS)
- 3 REMOVE ALL EXISTING TOILET ACCESSORIES & ASSEMBLY (AS APPLICABLE BUT NOT LIMITED TO): SOAP DISPENSER, PAPER DISPENSER, MIRROR, WASTE RECEPTACLE ETC.)
- 4 REMOVE EXISTING TOILET PARTITIONS SYSTEM & ASSEMBLY (INCLUDING ANCHORS, ETC.) NOT USED
- 5 REMOVE EXISTING LAVATORY (& ASSEMBLY)
- 6 REMOVE EXISTING TOILET/URNAL FIXTURE (& ASSEMBLY)
- 7 REMOVE THE EXISTING LIGHT FIXTURES (& ASSEMBLY)
- 8 WHERE NOTED REMOVE: A) EXIST. CLG. QLED-ON TILES & PLASTER ASSEMBLY (INCL. THE LATH) OR WOOD STRIPPING. (V.I.F (E) CLG. CONST) OR B) PLASTER CLG. AND ASSEMBLY INCL. THE LATH
- 9 DEMOLISH THE EXISTING NON-LOAD BEARING PARTITION (INCLUDING ASSEMBLIES & COLUMN/CORB) NOT USED
- 10 REPLACE THE EXISTING LIGHT SWITCH CONTROL PLATE WITH NEW KEYLESS LIGHT SWITCH
- 11 WHERE NOTED: PROVIDE DEMOLITION FOR THE EXTERIOR CONCRETE DOOR LANDING NOT USED
- 12 DEMO THE EXISTING (NON-LOAD BEARING) PARTITION/PURRER WALL & ASSEMBLY (INCLUDING THE CONCRETE CURB) AS NEEDED & PREPARE FOR THE NEW PLUMBING WORK - SEE 17/A500 FOR TYP. PIPE SIZING LAYOUT - NOT USED
- 13 DEMO/SAWOUT THE EXISTING CONCRETE FLOOR (& ASSEMBLY) AS NEEDED, TO INSTALL & CONNECT THE NEW TOILETS AND/OR URINALS TO THE PLUMBING UTILITIES. (NOTES: REFER TO THE DEMOLITION NOTE #6 SHEET A-300 FOR GROUT BED & CONCRETE SLAB ASSEMBLIES & THICKNESS. THE EXISTING FINISHED TILE FLOOR SLOPES TOWARDS THE DRAINS 1/8" X FOOT; INCREASED CONG. THICKNESS AROUND FOOTINGS & FLOOR URINALS). SEE AS-BUILT REFERENCE SHEET FOR SIMILAR ASSEMBLY CONDITIONS. HOWEVER THE CONTRACTOR MUST EXAMINE THE AVAILABLE DISTRICT, SITE-SPECIFIC AS-BUILT SETS FOR ADDITIONAL INFORMATION. HATCHED AREA IS SCHEMATIC AND SHOWS INTENT ONLY.
- 14 EXISTING CEILING MOUNTED SMOKE DETECTOR (INCLUDE CONTINGENCY TO RE-LOCATE AT 36" MIN. FROM EXHAUST FAN & 12" FROM LIGHT FIXTURE)
- 15 EXISTING WALL MOUNTED FIRE ALARM STROBE @ WALL TO BE RE-INSTALLED AT SAME LOCATION
- 16 REMOVE THE EXISTING FLOOR DRAIN & ASSEMBLY / CLEAN OUT & ASSEMBLY - COORDINATE WITH NOTE #32, SHEET A-300
- 17 DEMOLISH/OUT (E) CEILING/ROOF ASSEMBLY FOR THE NEW EXHAUST FAN. V.I.F FOR BEST LOCATION
- 18 REMOVE EXISTING DOOR AND DOOR FRAME ASSEMBLY

CONSTRUCTION KEYNOTES

IMPORTANT: ALL DEMOLITION & CONSTRUCTION KEYNOTES ON THIS SHEET MUST BE COORDINATED WITH SHEET A-300 NOTES FOR ADDITIONAL SCOPE OF WORK

**** FOLLOW ACCESSIBLE MOUNTING HEIGHT TABLE ON SHEET A-300**

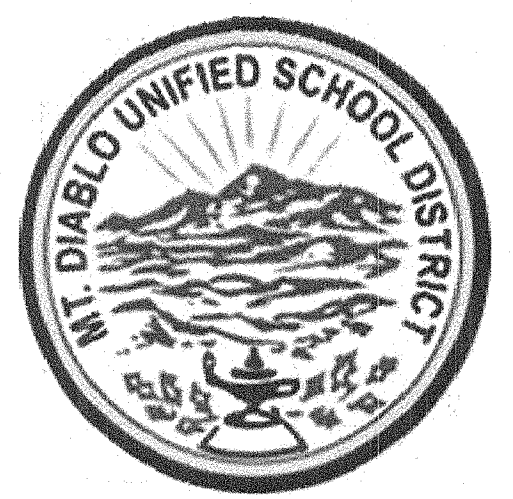
- 21 EXTERIOR DOOR THRESHOLD, PER 8 A.500
- 22 TOILET COMPARTMENT PARTITION/DOOR SYSTEM (& ASSEMBLIES), SEE 1 2 A.500 A.500 NOT USED
- 23 DOOR SIGN, BOTH SIDES INT. AND EXT. SEE 3 15 A.500 A.500 UNISEX
- 24 ROOM ID. SIGN, PER 4 15 A.500 A.500 UNISEX
- 25 ACCESSIBLE LAVATORY; SEE FIXTURE SCHEDULE ON SHEET A-300
- 26 CERAMIC TILE FLOOR SYSTEM (SLOPE 1/4" FT. MAX. TO 1/2" FT. MAX.) TO THE FLOOR DRAINS(S). NEW FLOOR NOT TO EXCEED 1:48 SLOPE IN ALL DIRECTIONS. FINISH FLOOR MUST BE STABLE, FIRM & SLIP RESISTANT FOR THE USE INTENDED USE DALTILE KEYSTONE COLOR TBD
- 27 ACCESSIBLE TOILET FIXTURE & FLUSHOMETER (LEVER TO BE ON THE OPEN SIDE); COORDINATE WITH THE FIXTURE SCHEDULE & CONSTRUCTION NOTES ON SHEET A-300
- 28 TOILET FIXTURE & FLUSHOMETER; CTR. BETWEEN TOILET STALLS; COORDINATE WITH THE FIXTURE SCHEDULE & CONSTRUCTION NOTES ON SHEET A-300
- 29 GRAB-BAR, SEE 12 A.500 & SHEET A-300 FOR MOUNTING HEIGHT & REQUIREMENTS
- 30 PATCH/RECONSTRUCT THE CONCRETE FLOOR SYSTEM (& ASSEMBLY) PER 7 A.500
- 31 5/8" (MIN.) GYP. BOARD WALL SHEETING & PAINT FINISH (@ WALL); COORDINATE WITH THE FINISH SCHEDULES ON SHEET A-300
- 32 5/8" (MIN.) GYP. BOARD CEILING ATTACHED TO (E) CEILING FRAMING; PREP AND PAINT FINISH. COORDINATE WITH THE CONSTRUCTION NOTE #20, #4 ON SHEET A-300
- 33 5/8" (MIN.) GYP. BOARD WALL SHEETING & CERAMIC TILES WITH COVED BASE, ALL WALLS. SEE FINISH SCHEDULES ON SHEET A-300
- 34 WRAP P-TRAPS & WATER SUPPLY WITH UNDER-SINK PROTECTORS (USE SNAP-LOCK FASTENERS)
- 35 WHERE NOTED, NEW CONCRETE LANDING. SAME AS NOTE #8 SHEET A-300
- 36 CEILING MOUNTED (NOT-SUSPENDED) LIGHT FIXTURE (14Lb). INSTALL PER MANUF. RECOMMENDATION AND SSP SHEET. CONNECT TO THE (E) WIRING. LAY LIGHT FIX. PER PLAN. INCLUDE LABOR TO ADJUST/MOVE THE ASSEMBLY 12" FROM SMOKE DETECTOR. SEE CUT SHEETS
- 37A WHERE NOTED: URINAL SCREEN (24" X 48 HT"). ANGLE BRACKET TO WALL. TOP OF SCREEN 60" FR. FFL. AND BOT. OF SCREEN 12" MAX FR FFL.
- 37B WHERE NOTED: SCRANTON SCREEN (MATCH TOILET PARTITION). BRACE TO WALL & USE 1-1/2" SQ. FLOOR TO CLG. POSTS AT OPEN END NOT USED
- 38A PROVIDE NEW CLEAN-OUT ASSEMBLY
- 38B PROVIDE COMPLETE FLOOR DRAIN ASSEMBLY; LID GRATE ALONG OPNG. 1" MAX. FLUSH TOP-COVER WITH FINISHED FLOOR. COORDINATE WITH CONST. NOTE #32, #33 SHEET A-300
- 39 (E) WALL FRAME TO REMAIN
- 40 AGENT-TILES (2 ROWS CONTINUOUS PATTERN) TYP. ALL WALLS - NOT USED
- 41A PAPER TOWEL DISPENSER
- 41B ELECTRICAL HAND DRYER. GOOD. CONST. NOTE #28 SHT A-300 FOR SCOPE/INFR.
- 42 EXISTING WALL MOUNTED FIRE ALARM STROBE (REINSTALLED AFTER WORK)
- 43 EXISTING CEILING MOUNTED SMOKE DETECTOR (SEE NOTE #14 ABOVE)
- 44 EXHAUST FAN (INCLUDING GRILLE); COORDINATE WITH CONSTRUCTION NOTE #1, #29 ON SHEET A-300. SEE DETAILS 18 5 A.500 A.500 & SSP SHEET FOR STRUCTURAL DETAIL

CONSTRUCTION KEYNOTES cont.

- 45 MIRROR; COORDINATE WITH 11 CENTER MIRROR OVER LAVATORY TYP.
- 46 KEYLESS LIGHT SWITCH (MUST INTERLOCK W/ EXHAUST FAN ON-OFF)
- 47 SEE CONSTRUCTION NOTES #6 SHEET A-300 FOR TOILET COMPARTMENT-PARTITION. NOT USED
- 48 CENTER URINAL BETWEEN PARTITION SCREENS. SEE CONSTRUCTION NOTE #6 SHT A300 TYP. FOR URINALS-NOT USED
- 49 SHEET VINYL WITH 6" COVE. SEE CONSTRUCTION KEYNOTES 26
- 50 ADD COMPLETE WIRING AND ASSEMBLY FOR ADDITIONAL LIGHTING FIXTURES

LEGEND

- SEE SHT A-300 FOR PLUMBING SCHEDULE
- SEE SHT A-300 FOR DOOR SCHEDULE
- SEE SHT A-300 FOR TOILET ACCESSORIES
- F/M FLOOR MOUNTED
- W/M WALL MOUNTED
- SN SANITARY NAPKIN
- TP TOILET PAPER DISPENSER
- SC SEAT COVER
- NT NAPKIN/TAMPON DISPENSER
- (N) 2X6 STUD TO MATCH (E)
- FIRE ALARM STROBE
- 1 X 4 LIGHT FIXTURE
- CLEAN OUT / CO
- FD FLOOR DRAIN
- MAX GRATE OPNG
- SMOKE DETECTOR
- (E) SEWER LINE
- PHOTO REFERENCE



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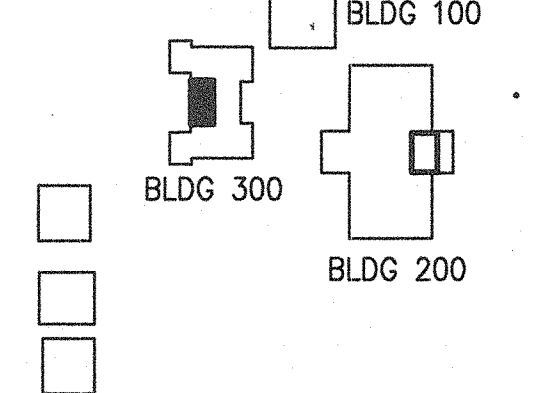
AC 26 FLS AW SS 306

DATE 3/14/18

PROJECT TITLE:
**VOLUNTARY ACCESSIBLE
UPGRADE TO STUDENTS'
RESTROOMS**

**SUNRISE SPECIAL
EDUC. ELEM. SCHOOL**

KEY PLANS:



REVISIONS:

date	description	symbol
1/16/2018	DSA PROJECT SUBMITTAL	
3/14/2018	DSA BACKCHECK	
3/16/2018	FINAL BID SET	

PHD ARCHITECTS JOB #
17-215

SCALE:
AS NOTED

DATE:
3/14/18

SHEET NAME & NUMBER:

DEMOLITION, FLOOR AND
RCP - BLDG. 300

A-210

GENERAL NOTES

- THE DISTRICT ASSUMES THAT ALL THE NOTES & SCOPE LISTED ON THIS SHEET HAVE BEEN UNDERSTOOD, AGREED, INCORPORATED INTO THE BID PROPOSAL AND ALL WORK LISTED HAS BEEN INCLUDED. IF THE CONTRACTOR DOES NOT AGREE WITH ANY OF THESE NOTES, HE MUST NOTIFY THE DISTRICT IN WRITING PRIOR TO BID. NOTE: ALL LISTED SCOPE OF WORK IS CONSIDERED COMPLETE. THEREFORE THE CONTRACTOR MUST INCLUDE IN THIS BID ALL LABOR & MATERIAL (& ASSEMBLY) NECESSARY TO ATTAIN THE FULL INTENT OF THE LISTED SCOPE (FROM THE DEMOLITION THROUGH THE FINISHED (READY TO USE) CONSTRUCTION).
- THIS SET OF DRAWINGS SHOWS ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL & FIRE ALARM SCOPE & SCOPE-NOTES. THE GENERAL CONTRACTOR IS ADVISED THAT THE DRAWINGS ARE NOT DIVIDED BY TRADES.
- ALL SALVAGED ITEMS ARE TO BE DELIVERED TO THE DISTRICT MAINTENANCE & OPERATIONS'S YARD OFFICE.
- ALL EXISTING FIRE ALARM DEVICES (& RELATED ASSEMBLY) SUCH AS (BUT NOT LIMITED TO) SMOKE & HEAT DETECTORS THAT ARE TO BE REMOVED MAY REQUIRE TO BE TEMPORARILY DISCONNECTED & REINSTALLED AS PART OF THE SCOPE. THE CONTRACTOR MUST INCLUDE ALLOWANCE (FOR EVERY ROOM) TO EXTEND 10' THE FIRE ALARM WIRING AND UNIT.
- THE CONTRACTOR IS RESPONSIBLE, AS PART OF THE COMPLETE SCOPE, TO REINSTALL/RELOCATE, AS REQUIRED, ALL THE PREVIOUSLY DISCONNECTED AND/OR REMOVED ITEMS CEILING/WALL/FLOOR MOUNTED ITEMS (SUCH AS, BUT NOT LIMITED TO, ELECTRICAL CONDUITS & CABLES & WIRES, FIRE ALARM/SECURITY/LIGHTING MOTION SENSORS AND BOXES, LIGHTING FIXTURES, PIPING ETC.) AS PER THE ORIGINAL CONDITION (PROVIDED THAT ORIGINAL CONDITION WAS CONFORMING WITH STATE CODES AND STANDARDS). INCLUDE TEST FOR PROPER OPERATION (IN CASE OF FIRE ALARM EQUIPMENT) WHICH MUST BE PERFORMED BY A ETSI CERTIFIED TECHNICIAN W/ A CALIFORNIA STATE FIRE ALARM TECHNICIAN CARD.
- ASSUMPTIONS HAVE BEEN MADE CONCERNING EXPOSED AND CONCEALED CONDITIONS. WORK WHICH IS NOT SHOWN ON THE DRAWINGS, BUT NOT BE NECESSARILY ASSUMED FROM THE PROJECT SCOPE AND THE REQUIRED EXAMINATION OF THE EXISTING SITE CONDITIONS, AND IS OBVIOUSLY REQUIRED TO BE PERFORMED IN ORDER TO ATTAIN A COMPLETE AND FINISHED PRODUCT, SHALL BE PERFORMED BY THE CONTRACTOR WITHOUT ADDED COST TO THE OWNER. FOLLOW THE BID REQUIREMENTS NOTED ON SHEET A-001.
- THE CONTRACTOR IS RESPONSIBLE TO CLEAN AND KEEP CLEAN ALL AREAS OF THE WORK EVERY DAY. NO TRASH PILES SHALL ACCUMULATE AT ANY TIME.
- THE SCOPE OF WORK (& INTENT OF THE DRAWINGS) IS TO INCLUDE ALL LABOR, MATERIAL & PARTS (INCLUDING FIXTURES & EQUIPMENT, PARTS, CONNECTIONS & LABOR) AS PART OF THE SCOPE TO ATTAIN A COMPLETE & FINISHED JOB.
- THE LOCATION OF THE EXISTING UTILITIES WAS ESTABLISHED FROM BEST AVAILABLE INFORMATION. ASSUME THAT THIS INFORMATION IS APPROXIMATE. IT IS THE CONTRACTOR RESPONSIBILITY TO VERIFY & EXAMINE THE AVAILABLE AS-BUILT DISTRICT RECORDS AS WELL AS THE SITE FOR THE EXACT LOCATION & CONDITIONS BEFORE BID, AS REQUIRED BY THE BID DOCUMENTS.
- COORDINATE ALL WORK LISTED ON THESE DRAWINGS WITH ALL TRADES AND CONTRACTORS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BACKFILLING, RE-PAVING, AND RESTORATION OF THE EXISTING SURFACES AS A RESULT OF THE NEW WORK.
- BID & CONSTRUCTION REQUIREMENTS NOTES: SEE SHEET A-001 SITE PLAN / ACCESS INFO.
- THE CONTRACTOR IS TO TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING EXTERIOR CONCRETE & SOFTSCAPES PAVING. ANY DAMAGE TO THE (E) PAVING DUE TO EQUIPMENT, TRUCKS OR STORED MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS ADVISED THAT PLAYGROUND PAVING GENERALLY IS NOT OF SUFFICIENT THICKNESS TO WITHSTAND REPEATED OR CONCENTRATED LOADING FROM HEAVY TRUCKS OR EQUIPMENT.
- ALL DIMENSIONS NOTED ON THE FLOOR PLANS MUST BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION. DO NOT SCALE DIMENSIONS FROM ANY DRAWINGS. NO TOLERANCES ARE ALLOWED. NOTIFY ARCHITECT OF ANY DISCREPANCY, PRIOR TO START THE WORK.
- PROTECT AREAS ADJACENT TO THE WORK-AREA. PATCH & REPAIR (TO ORIGINAL CONDITION) ALL DAMAGED AREAS AS A RESULT OF THE WORK, INCLUDING WALLS/ROOMS IN THE ADJACENT ROOMS.
- EVERY TOILET-ROOM WORK INCLUDES EXTENSIVE DEMOLITION & RECONSTRUCTION IN THE ADJACENT MECHANICAL/ELECTRICAL ROOMS DUE TO THE SHARED WALL WHICH HOSTS TOILETS CARRIAGES (& ASSEMBLES), URINALS ASSEMBLIES, WATER, SEWER & VENTING PIPING. THE CONTRACTOR MUST INCLUDE IN THE BASE BID ALL DEMOLITION, SHORING, CONSTRUCTION & PATCHING WORK ASSOCIATED WITH THIS ROOM.
- THE WORK SHOWN ON THE DRAWINGS SHOWS THE INTENT OF THE SCOPE AND MAY NOT REFLECT THE ACTUAL AMOUNT/LOCATION OF DEMOLITION & RE-CONSTRUCTION REQUIRED. ACTUAL CONDITIONS MAY REQUIRE ADDITIONAL CEILING, WALL & FLOOR ASSEMBLY DEMOLITION/CONSTRUCTION AND/OR CONCEALED/EXPOSED PLUMBING, SEWER, ELEC./FIRE ALARM LINES (ETC.) TO BE DEMOLISHED AND/OR TEMPORARILY REMOVED (AND RECONSTRUCTED) TO PERFORM THE WORK. PER DISTRICT BIDDING DOCUMENTS FIELD & AVAILABLE AS-BUILT DRAWINGS SHOULD BE EXAMINED PRIOR TO BID BY THE CONTRACTOR.
- SCOPE CONDITIONS MAY REQUIRE THE CONTRACTOR TO DISCONNECT & RELOCATE (WITHIN 20' MAX.) EXISTING CEILING/WALL MOUNTED ITEMS (SUCH AS, BUT NOT LIMITED TO, ELECTRICAL CONDUITS/CABLES/WIRES, FIRE ALARM/SECURITY/LIGHTING MOTION SENSORS & BOXES, LIGHTING FIXTURES, ETC.) IN THE RESTROOMS OR IN THE MECHANICAL ROOMS. (THIS WORK MAY REQUIRE THE TEMPORARY DISCONNECT), INCLUDE COST ALLOWANCE IN YOUR BID.
- ASSUME THAT ALL EXISTING WALLS (WITHIN THE SCOPE OF WORK) HAVE INTERIOR DIAGONAL SHEETING (WOOD SLATS). IF DEMO, WILL REQUIRE CUTTING THE DIAGONAL SHEETING FOR MORE THAN 4'X6' TO RELOCATE A TOILET FIXTURE. REQUEST DIRECTIONS TO PROCEED TO THE MUOUSD CONSTRUCTION MANAGER, OTHERWISE PATCH/REPAIR 4'X8' OPENING WITH BLOCKING & STRUCTURAL PLYWOOD (MATCH THICKNESS). **NOT USED**
- INCLUDE IN THE BASE BID COMPLETE LABOR & MATERIALS TO RUN ALL EXISTING CONDUITS & WIRING INSIDE THE WALLS & CEILINGS. INCLUDE: CUTTING THROUGH THE PLASTER AND/OR PLYWOOD AND/OR GYP. BD.; NOTCHING STUDS AND/OR JOISTS; ANCHORING THE CONDUITS; PATCHING & PAINTING; NEW CONDUITS & WIRES (±30 LF MIN.); REPLACING & INSTALLING NEW J-BOXES & ASSEMBLIES AS REQUIRED.

DEMOLITION NOTES

- ASBESTOS NOTE: REQUEST ASBESTOS INFORMATION REGARDING THIS PROJECT TO THE MUOUSD PRIOR TO BID.
- SALVAGE ALL EXISTING LAVATORIES & ACCESSORIES (SOAP DISPENSERS, GRAB BARS, ETC.) & ALL FAUCETS AND FLUSHMETERS FOR DISTRICT REUSE, UNLESS OTHERWISE DIRECTED BY THE MUOUSD CM.
- INCLUDE IN THE BASE BID ALL DEMOLITION REQUIRED TO INSTALL NEW WALL BACKING AND FIXTURE CARRIER, AS DESCRIBED IN THE CONSTRUCTION NOTES FOR ALL FIXTURES, EQUIPMENT AND PARTITIONS.
- INCLUDE IN THE BASE BID 20% (MEASURED WITHIN THE PERIMETER OF THE ROOM) OF STUD/SILL DUE TO DRY-ROT (INCLUDE ALL DEMO REQUIRED INCLUDING CUTTING OF THE ROTTED STUD/SILL & DRY-WALL).
- REMOVE, FOR REPLACEMENT (LIKE FOR LIKE) ALL EXISTING LIGHT-SWITCHES & PLUGS.
- FLOOR ASSEMBLY DEMOLITION: THE EXISTING CONCRETE FLOOR ASSEMBLY (INCLUDING THE GROUT BED) VARIES. EXISTING GROUT CAN BE BETWEEN 6" TO 18" THICK. THE CONTRACTOR MUST CONSULT THE AVAILABLE AS-BUILT DRAWINGS TO GET ACTUAL CONDITION. NO CHANGE ORDER WILL BE AWARDED IF EXISTING CONDITIONS ARE SHOWN ON THE AVAILABLE MUOUSD AS-BUILT DRAWINGS.

CONSTRUCTION NOTES

- INCLUDE IN THE BASE BID THE COMPLETE WORK (DEMOLITION, CONSTRUCTION, INSTALLATION, ETC.) OF THE (ATTIC MOUNTED) EXHAUST FAN UNIT AND COMPLETE WIRING. SEE CONSTRUCTION NOTE #27.
- INCLUDE IN THE BASE BID THE REPLACEMENT (WITH NEW) OF ALL EXTERIOR DOOR THRESHOLDS.
- ALL DOORS AND FRAMES ARE TO BE REPLACED WITH NEW FRP DOORS & METAL FRAMES. VERIFIED IN FIELD EXACT DOOR, OPENING & SIZE AND PRIOR TO ORDERING FINAL PRODUCT. LISTED DOOR & FRAME DIMENSIONS ARE ROUNDED TO NEAREST WHOLE NUMBER.
- WALLS & CEILINGS: THE DISTRICT EXPECTS STRAIGHT LEVELED (& PLUMB) WALLS & CEILINGS WITHIN THE AREA OF WORK. THE CONTRACTOR MUST INCLUDE IN THE BASE BID THE WORK NECESSARY TO OBTAIN STRAIGHT VERTICAL/HORIZONTAL SURFACES (WALLS & CEILINGS), INCLUDING AT CORNERS. THE CONTRACTOR IS WARNED THAT UN-LEVELED/UN-STRAIGHT/UN-PLUMB SURFACES WILL BE REJECTED AND REQUESTED TO BE REDONE BY THE DISTRICT.
- CERAMIC TILE NOTE: THE DISTRICT REQUIRES STRAIGHT & PLUMB TILE-SETS WITH EQUAL GROUT LINES, PARTICULARLY ON THE CORNERS. UNSATISFACTORY RESULTS WILL BE REJECTED BY THE DISTRICT.
- TOILET COMPARTMENT PARTITIONS: ALL TOILET COMPARTMENT PARTITIONS (INCLUDING THE PRIVACY SCREENS) MUST BE BRACED WITH AN HORIZONTAL BRACE-SYSTEM THAT CONNECTS TO THE ADJACENT PARTITIONS TO SECURE/OBTAIN STURDINESS (TO PREVENT "WIGGLING"). IF A PARTITION WILL BE PLACED IN FRONT OF A WINDOW IT MUST BE BRACED TO THE WALL BELOW THE WINDOW AND, ON THE TOP OF THE PARTITION, WITH AN HORIZONTAL BRACE SYSTEM THAT CONNECTS TO THE ADJACENT PARTITION (THE DOOR PARTITION) ON ONE SIDE AND TO THE OTHER SIDE TO THE WALL (ADJACENT TO THE WINDOW). INCLUDE ALL PROPER WALL BACKING & A FINISHED LOOK. ALL CUT-SEGMENTS OF THE BRACING SYSTEM MUST BE CAPPED & FINISHED. NO SHARP ENDS OR EDGES. ALL PARTITIONS BRACING MUST HAVE PROPER (FINISHED) BACKING TO CONTINUE STRAIGHT FROM A TILING SURFACE TO A WALL SURFACE. NOTE: THE PARTITION MANUFACTURER REPRESENTATIVE WILL INSPECT FINAL PARTITION INSTALLATION FOR DISTRICT ACCEPTANCE. NOT-PERFECT JOBS WILL BE REJECTED.
- INCLUDE IN THE BASE BID ALL NEW DOOR CLOSER, CONTINUOUS HINGES, DOOR LOUVERS (& DOOR OPENINGS) & THRESHOLD TO ALL DOORS. LEVER HANDLES & LOCK (RESTROOMS FUNCTION) AS NOTED ON PLANS. SEE SPECIFICATIONS.
- INCLUDE IN THE BASE BID (CONC ITEM) A NEW CONCRETE DOOR LANDING INCLUSIVE OF DEMOLITION & NEW CONSTRUCTION (& REPAIR) PER $\frac{7}{A.500}$ $\frac{9}{A.500}$ AT EACH EXTERIOR DOOR.
- INCLUDE IN THE BASE BID THE PATCHING/REBUILDING OF THE INTERIOR CONCRETE FLOOR. EXISTING CONCRETE FLOOR THICKNESS VARY, INCLUDING ALLOWANCE FOR THICKENED EDGES. FOR THE EXISTING CONCRETE FLOOR CONDITIONS REFER TO THE REFERENCE ASSUMED AS-BUILT CONDITIONS DRAWINGS ATTACHED TO THE BID DOCUMENTS AND TO THE AVAILABLE MUOUSD AS-BUILT DRAWINGS AS REQUIRED BY THE BID DOCUMENTS.
- INCLUDE IN THE BASE BID THE REPLACEMENT OF ALL EXISTING FLUORESCENT CEILING MOUNTED LIGHT FIXTURES WITH NEW 4' LED-LIGHTING FIXTURES. INCLUDE ALL DEMO, ELECTRICAL, INSTALLATION, BACKING, FIXTURES, BRACKETS & PARTS.
- INCLUDE IN THE BASE BID, ALL REQUIRED BRACKETS (& 4X6 BLOCKING MIN. WHEN NOT SPECIFIED) TO HANG (CEILING & WALL) ALL (AS PART OF THE SCOPE OF WORK) ELECTRICAL, MECHANICAL & PLUMBING FIXTURES (INCLUDING CONDUITS, CABLES, ETC.), EQUIPMENT & ALL FIRE ALARM SYSTEMS EQUIPMENT, WIRING, SENSORS, ETC.
- INCLUDE IN THE BASE BID ALL REQUIRED BLOCKING FOR TOILET-PARTITIONS, EQUIPMENT & FIXTURES. SINKS WILL BE MOUNTED ON CONCEALED LAVATORY ARM-BRACKETS WITH ±20 CARRIAGE BOLTS (ON 6X8 BLOCKING) OR STRONG-DRIVE-SCREWS (ON STUDS) AS NECESSARY. SEE CARRIER CUT SHEET, FOLLOW MANUFACTURER RECOMMENDATIONS.
- ALL NEW GYPSUM BOARD TO BE: "GOLD BOND XP GYP. BD. WITH SPORGARD".
- ALWAYS PROVIDE GALVANIZED, PAINTED, ESCUTCHEON OR SIMILAR TO SEAL PIPING GAPS THROUGH THE CEILING, WALLS OR FLOOR - NO OPENING & ROUGH GAPS - COLORS TO MATCH ADJACENT WALL/CELLING.
- INCLUDE IN THE BASE BID ALL NEW SIGNAGE (DOOR & WALLS) WITH TAMPER-PROOF SCREWS. INCLUDE THE PATCHING AND PAINTING AROUND THE OLD SIGNAGE AS REQUIRED.
- INCLUDE IN THE BASE BID ALL NEW LIGHT-SWITCHES & PLUGS REPLACEMENT. AS APPLICABLE USE THE FOLLOWING: Brand: Hubbell - 122 Series HBL 122 1L - Single Pole 20A 120-277 VAC
- THE SCOPE OF WORK REQUIRES FINISH 5 FINISH AT ALL (NEW & EXIST.) UN-TILED WALL/CEILING SURFACES. INCLUDE LEVING, PRIMING & PAINTING. INCLUDE ALL NEW (& EXISTING) CONDUITS, PIPES, CABLES, DUCTS, BEAMS, SOFFITS, ETC. - TYP.
- ALL EXISTING WINDOWS & FRAMES ARE TO BE SANDED SMOOTH, PRIMED AND PAINTED.
- INCLUDE IN THE BASE BID THE ADJUSTING (ADAPTING/LEVELING) OF ALL CEILING MOUNTED FIXTURES, EQUIPMENT, CONDUITS, ETC. AS REQUIRED TO BE IN LINE WITH NEW CEILING. THIS INCLUDES EXTENDING/RELOCATING THE BLOCKING.
- IF APPLICABLE: INCLUDE IN THE BASE BID THE REQUIRED WORK TO ALIGN & LEVEL THE NEW GYP. BD. CEILING (NEW/PATCHED) TO BE LEVELED WITH THE EXISTING FINISHED CEILING AND TO OBTAIN THE REQUIRED FINISH LEVEL. (INCLUDE MULTIPLE GYP. BD. LAYERS, WOODING, ETC.) THE EXISTING CEILING ASSEMBLY IS A THICK PLASTER OVER WOOD LATH. REFER TO THE AVAILABLE AS-BUILT.
- INCLUDE IN THE BASE BID 20% (MEASURED WITHIN THE PERIMETER OF THE ROOM) OF STUD & SILL REPLACEMENT DUE TO DRY-ROT. CONSTRUCTION WILL REQUIRE NEW 6X STUD (FL-TO-CELL) AND/OR SILL (TO MATCH EXISTING SIZE) AND ADDING REQUIRED ANCHOR BOLTS (4" O.C.). INCLUDE ALL PALSTER WALL PATCHING & FINISHING.
- NOT USED
- INCLUDE IN THE BASE BID NEW CONCRETE CURBS AT ALL NEW PARTITIONS/WALLS.
- NOT USED
- INCLUDE IN THE BASE BID THE REBUILD OF THE EXISTING FLOOR ASSEMBLY (CONCRETE & GROUT); COORDINATE WITH THE DEMOLITION NOTE #10. SLOPE THE FINISH FLOOR AS REQUIRED TO THE FLOOR DRAINS & DO NOT EXCEED 1/48 SLOPE IN ALL DIRECTIONS (PATH-OF-TRAVEL). CONNECT THE NEW FINISH FLOOR LEVELED TO THE NEW DOOR THRESHOLD.
- ALL NEW TOILET COMPARTMENT-PARTITIONS (PANELS) TO BE 7" HIGH MINIMUM, UNLESS OTHERWISE NOTED. SUBMIT SAMPLE TO THE MUOUSD FOR APPROVAL PRIOR TO ORDERING.
- PROVIDE 1 NEW EXHAUST FAN AT EACH TOILET. SCOPE TO INCLUDE ALL DEMOLITION, CONSTRUCTION, LABOR & MATERIAL FOR THE INSTALLATION OF THE NEW EXHAUST FAN & RELATED ASSEMBLY (DUCT INCLUDED). INCLUDE MECHANICAL, ELECTRICAL, STRUCTURAL & BUILT-UP ROOFING WORK AND PARTS. ELECTRICAL: INTERCEPT (E) SWITCHED LEG OF NEAREST LIGHT FIXTURE (ESTIMATED @ ±20') AND RUN (CONCEALED) (N) CONDUIT AND WIRES TO THE (N) EXHAUST FAN AS REQUIRED. PROVIDE (N) HORSEPOWER RATED MANUAL SWITCH 15A, 120V, SIMILAR TO SQUARE "D" CLASS 2510. PRODUCT: ACM DIRECT DRIVE CENTRIFUGAL ROOF EXHAUSTER MODEL PRN (SEE CUT SHEETS).

PLUMBING SCHEDULE

- SEE CUTSHEETS FOR PLUMBING PRODUCT
- FLOOR MOUNTED WATER CLOSET MODEL: ELEMENTARY AMERICAN STANDARD MADERA FLOWISE 15" HEIGHT ELONGATED WITH EVERCLEAN FLUSHOMETER TOILET. SEAT COLOR: WHITE 5901100_SS STAINLESS STEEL HINGE POSTS FLUSHOMETER VALVE: AMERICAN STANDARD 1.28 GPF MANUAL #6047.121.002 TOP SPUD SEE CUT SHEETS, FOLLOW MANUFACTURER RECOMMENDATIONS & INCLUDE ALL PARTS, MATERIAL & LABOR.
 - FLOOR MOUNTED WATER CLOSET MODEL: MIDDLE SCHOOL / ADULT AMERICAN STANDARD MADERA FLOWISE 16" HEIGHT ELONGATED WITH EVERCLEAN FLUSHOMETER TOILET. SEAT: SEAT COVER 1" THICK
 - FLOOR MOUNTED WATER CLOSET MODEL: PRESCHOOL BABY DEVORO FLOWISE 10" HIGH # 2282.001 TOP SPUD FLUSH VALVE MANUAL AMERICAN STANDARD # 6047.121.002 SEAT AMERICAN STANDARD # 50010.055 HEAVY DUTY SS HINGE POSTS
 - FLOOR MOUNTED WATER CLOSET MODEL: AMERICAN STD. CADET PRO ELONGATED TOILET EVERCLEAN 215CB.104 W/EVERCLEAN SEAT @ SUNRISE ELEM. ONLY
 - WALL MOUNTED WATER CLOSET MODEL: AMERICAN STANDARD AFWALL MILLENNIUM FLOWISE ELONGATED W/EVERCLEAN TOP SPUD FLUSHOMETER TOILET. SEAT #5901100 SS HINGE POSTS FLUSHOMETER #6047.121.002 MANUAL.28 GPF - SEE DET. 16 ON SHEET A-500 SEE CUT SHEETS, FOLLOW MANUFACTURER RECOMMENDATIONS & INCLUDE ALL PARTS, MATERIAL & LABOR.
 - LAVATORY MODEL: AMERICAN STANDARD LUCERNE WALL-HUNG LAVATORY - SINGLE CENTER FAUCET HOLE WITH DELTA METERING FAUCET MODEL NO. 877105, SEE CUT SHEETS, FOLLOW MANUFACTURER RECOMMENDATIONS & INCLUDE ALL PARTS, MATERIAL & LABOR.
 - URINAL - SEE CONSTRUCTIONNOTES #66/A.300 A. WATERLESS - ANZA MODEL #2005, OR EQUIVALENT - OPCI B. FLUSH-URINAL & FLUSHOMETER - AMERICAN STANDARD PINTBROOK URINAL #8002.0125 GPF. SEE CUT SHEETS, FOLLOW MANUFACTURER RECOMMENDATIONS & INCLUDE, ARM-BRACKETS & LABOR.

PIPING SCHEDULE

SYSTEM NAME	MATERIAL	PIPING & FITTING JOINTS
DOMESTIC COLD WATER	TYPE L COPPER	LEAD FREE SOLDERED FITTINGS
SANITARY WASTE	NO-HUB CAST IRON	NO-HUB FITTINGS
SANITARY VENT	TYPE DWV COPPER	LEAD FREE SOLDERED FITTINGS

REFER TO THE ATTACHED REFERENCE A500 SHEET FOR ASSUMED GENERAL LOCATION OF SANITARY WASTE, VENT & WATER LINES

FINISH SCHEDULE

ROOM NAME	FLOOR	BASE	WALL	CEILING	REMARKS
BOYS TOILET	CERAMIC TILES	CERAMIC TILES	TILES / PAINT	PATCH & PAINT ALL	SEE DET. 13/A-500
GIRLS TOILET	CERAMIC TILES	CERAMIC TILES	CERAMIC TILES / PAINT	PATCH & PAINT ALL	SEE DET. 13/A-500

NOTES:

- USE GOLD BOND XP GYPSUM BOARD AS A HEAVY MOLD/MILDREW/MOISTURE RESISTANT, SEE CONSTRUCTION NOTE NO. 13 AND 4 AND DETAIL 14/A-500 FOR ADDITIONAL INFORMATION
- ALTERNATE: PROVIDE ALL SCHLUTER SATIN ANODIZED ALUMINUM PROFILE TRANSITION SYSTEMS: COVED, OUTSIDE/INSIDE CORNER WALLS, BULLNOSE TRIM (© WAINSCOT)
- ALL EXISTING AND/OR NEW WALL/CEILING FINISH TO BE LEVEL 5, TYP.
- ALL NEW CEILING/WALL FINISHES MUST BE SKIMMED LEVELED WITH THE ADJACENT FINISH SURFACE (NEW OR EXISTING) TO PROVIDE SMOOTH & EVEN PLANES. MUD AS REQD.

DOOR SCHEDULE

DOOR		FRAME	DETAILS	HARDWARE	FIRE RATING	REMARKS
No.	WIDTH HEIGHT	THK	MAT TYPE	MAT TYPE	THRESHOLD/JAMB HEAD	
1	3'-0" 7'-0"	1-3/4"	FRP	-	HM - 8/A-600 (N) (N)	SEE CUT SHEET FOR FRP DOOR / KICK PLATES AND DOOR LOUVERS. SEE PROVIDE NEW CONT. HINGES, COMPLETE HARDWARE & CLOSER UNON. SEE SPEC. FOR HARDWARE GROUP NO. 2
2	EXISTING (3'X7')	DOOR & FRAME TO REMAIN	(E)	-	8/A-600 (E)	SEE NOTES * BELOW. SEE DET. 15 (A.500) (A.500)

DOOR AT TOILET-STALL ACCESS STALL: DOOR 34" MIN. CLR PER MANUF. STD. STALL: PER MANUFACTURER OF PARTITION SYSTEM ASSEMBLY PROVIDE 1 COAT-HOOK PER DOOR. INSTALL @ 40" A.F.F. MAINTAIN MIN. 4" CLEAR FROM STRIKE-SIDE TO EDGE OF ADJACENT PARTITION PULL AT BOTH SIDES OF DOOR AT ACCESSIBLE TOILETS

- NOTES FOR EXISTING DOORS TO REMAIN: *
- SEE DETAIL 15 ON SHEET A-500 FOR DOOR AND FRAME TYPE INFORMATION. VERIFY IN FIELD TO MATCH EXISTING CONDITION.
 - ALL DOORS: PROVIDE NEW CONTINUOUS HINGES, COMPLETE HARDWARE & CLOSER ASSEMBLY PER DISTRICT STANDARDS. SEE SPECIFICATION SECTION 08 71 00 FOR HARDWARE GROUP NO. 2
 - CONTRACTOR MUST ADJUST / SAND / REFURBISH & PAINT THE EXISTING WOOD FRAME AND WOOD DOOR THAT ARE TO REMAIN LIKE NEW CONDITION.
 - PROVIDE ALL (E) DOORS WITH BOTTOM LOUVER AND KICK PLATES. PROVIDE KICK PLATES 10"x34" STAINLESS STEEL @ PULL AND PUSH SIDE OF DOORS. SEE 13/A.500

TOILET ACCESSORIES SCHEDULE

THE FOLLOWING ACCESSORIES ARE NEW & MUST BE PROVIDED AT ALL WATER CLOSETS COMPARTMENTS & SINKS SINKS AS PART OF THE SCOPE OF WORK. EVEN IF NOT SHOWN ON THE FLOOR PLANS - SEE CUTSHEETS FOR TOILET ACCESSORIES PRODUCT

MARK	ITEM	CAT. NO	MOUNTING	REMARKS
A	36" GRAB BAR	BOBRICK 6806X36		SEE DETAIL 12/A-500
B	42" GRAB BAR	BOBRICK 6806X42		SEE DETAIL 12/A-500
C1	TOILET TISSUE DISPENSER	KC PROFESSIONAL 09612 JRT JUMBO ROLL	SURFACE MOUNTED	© NON ACCESSIBLE STALLS - COORDINATE W/ CUT SHEETS
C2	SANITARY NAPKIN DISPOSAL	BOBRICK B-2888	SURFACE MOUNTED	© ACCESSIBLE STALLS - COORDINATE W/ CUT SHEETS
D	SOAP DISPENSER	DEB GROUP PROLINE CURVE 1000 WHITE WITH CHROME	SURFACE MOUNTED	1 PER LAVATORY OFCI
E	WASTE RECEPTACLE	BOBRICK B-2250	FLOOR-STANDING	1 PER ROOM
F	MIRROR (STAINLESS STEEL)	BOBRICK B-1556	24"x36" SURFACE MOUNTED	SEE DETAIL 11/A-500 1 PER ROOM FURR BEHIND MIRROR (TRANSITION TILES AND GYP. BD.) AS REQUIRED TO OBTAIN A LEVELED VERTICAL MIRROR. PAINT AND FINISH AS REQD.
H	SEAT-COVER DISPENSER	BOBRICK B-221	SURFACE MOUNTED	1 PER TOILET
J1	PAPER TOWEL DISPENSER	KIMBERLY CLARK LEVARMO J.0965	SURFACE MOUNTED	1 PER ROOM OFCI
J2	ELECT HAND DRYER	KLERATOR XL-SB RECESSED#40502	RECESSED	1 PER ROOM
K	NAPKIN / TAMPON VENDOR	B-370634C	SEMI RECESSED	1 © GIRLS RESTROOM ONLY

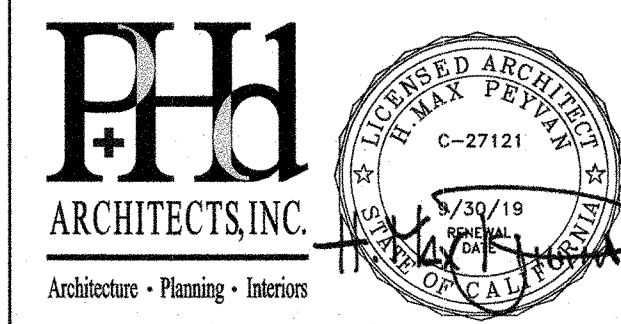
NOTE: PROVIDE BLOCKING FOR ALL TOILET ROOM ACCESSORIES, SEE FLOOR PLANS & INTERIOR ELEVATIONS FOR LOCATIONS. COORDINATE WITH $\frac{2}{A.500}$ $\frac{6}{A.500}$ $\frac{10}{A.500}$ $\frac{11}{A.500}$ $\frac{12}{A.500}$

TOILET PARTITION SYSTEM

SCRANTON TOILET PARTITION FLOOR MOUNTED OVERHEAD BRACED. SEE SPECIFICATION PROVIDE BUMPER GUARD AND COAT HOOK TO ALL PARTITION DOORS. PROVIDE CONTINUOUS FURRING /FINISHED LEVELED BACKING © UNEVEN FINISHES (TRANSITION TILES TO WALL) FOR CONTINUOUS BRACING. SEE CONSTRUCTION NOTE #6 FOR BRACING OF TOILET PARTITION.



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IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

01-11793

AC *Fig* FLS *AW* SS *BDP*
DATE 3/14/18

PROJECT TITLE:
VOLUNTARY ACCESSIBLE
UPGRADE TO STUDENTS'
RESTROOMS

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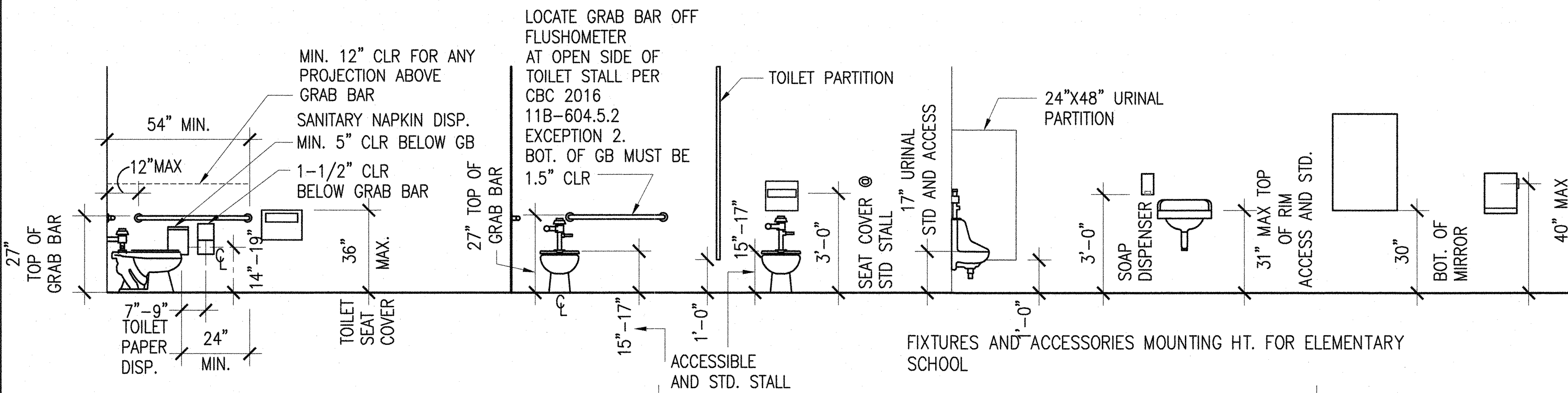
PHD ARCHITECTS JOB #
17-215

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SHEET NAME & NUMBER:
GENERAL CONSTRUCTION
NOTES & SCHEDULES

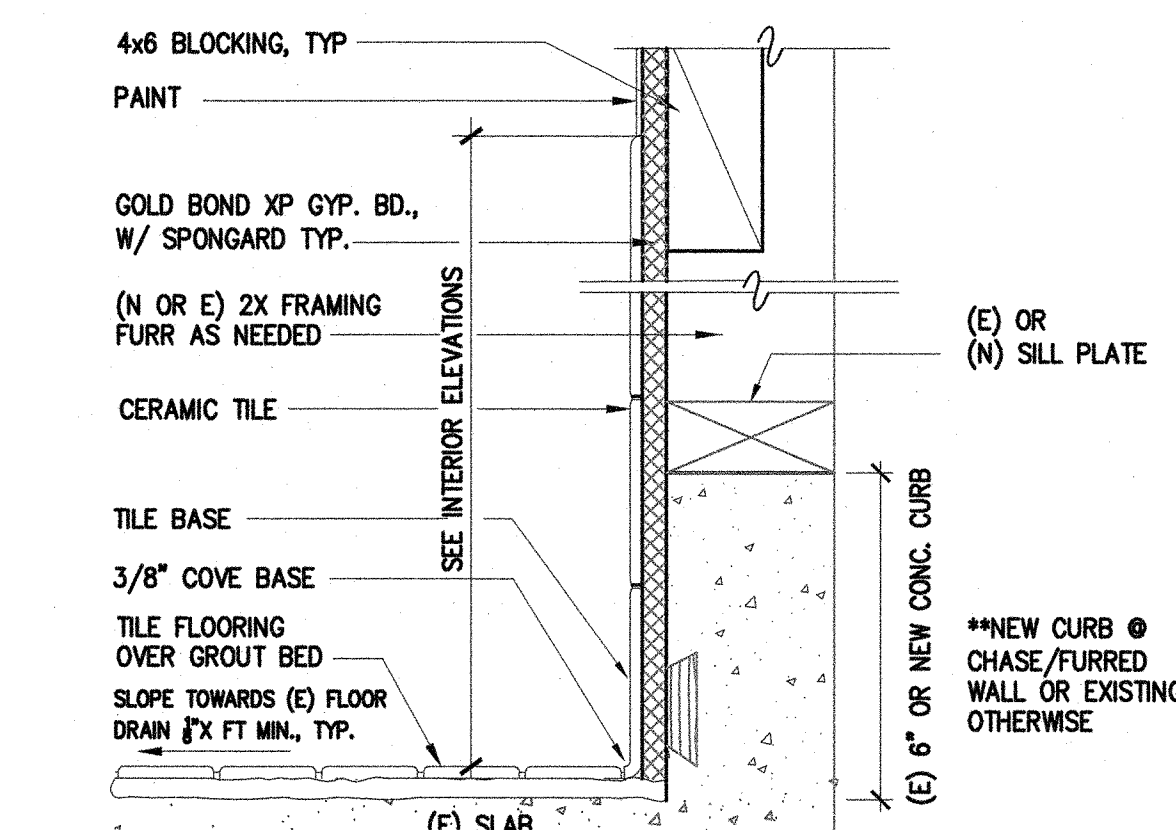
A-300



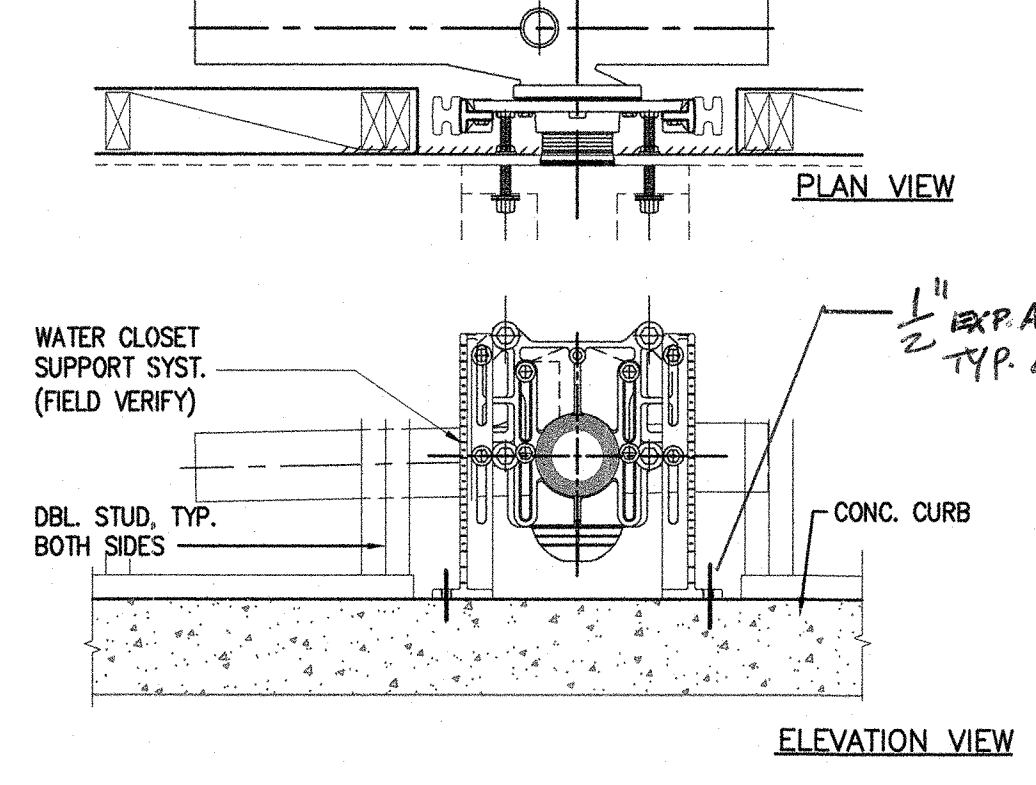
USE 9 TO 12 AGE FOR CHILDREN MOUNTING HT.

TABLE 11B-604.9
SUGGESTED DIMENSIONS FOR CHILDREN'S USE
SUGGESTED DIMENSIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3 THROUGH 12

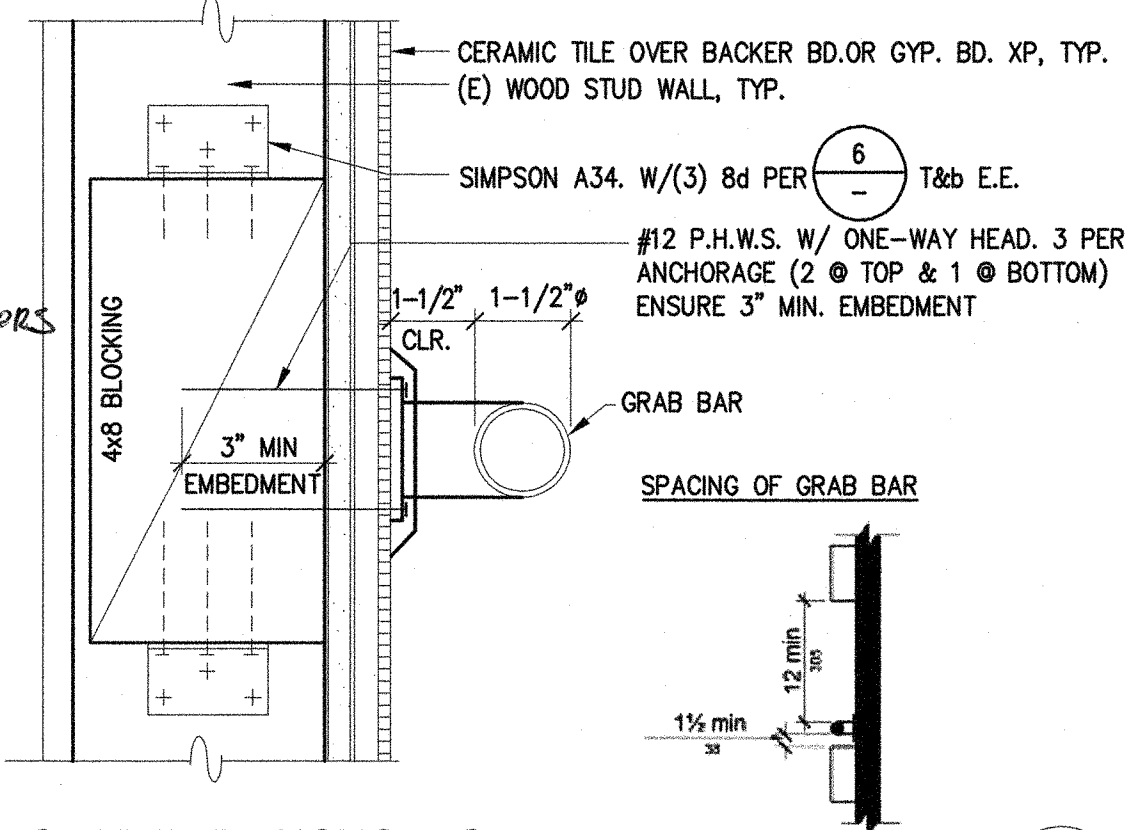
	Ages 3 and 4	Ages 5 through 8	Ages 9 through 12
Water Closet Centerline	12 inches (305 mm)	12 to 15 inches (305 to 381 mm)	15 to 18 inches (381 to 457 mm)
Toilet Seat Height	11 to 12 inches (279 to 305 mm)	12 to 15 inches (305 to 381 mm)	15 to 17 inches (381 to 432 mm)
Grab Bar Height	18 to 20 inches (457 to 508 mm)	20 to 25 inches (508 to 635 mm)	25 to 27 inches (635 to 686 mm)
Dispenser Height	14 inches (356 mm)	14 to 19 inches (356 to 432 mm)	17 to 19 inches (432 to 483 mm)



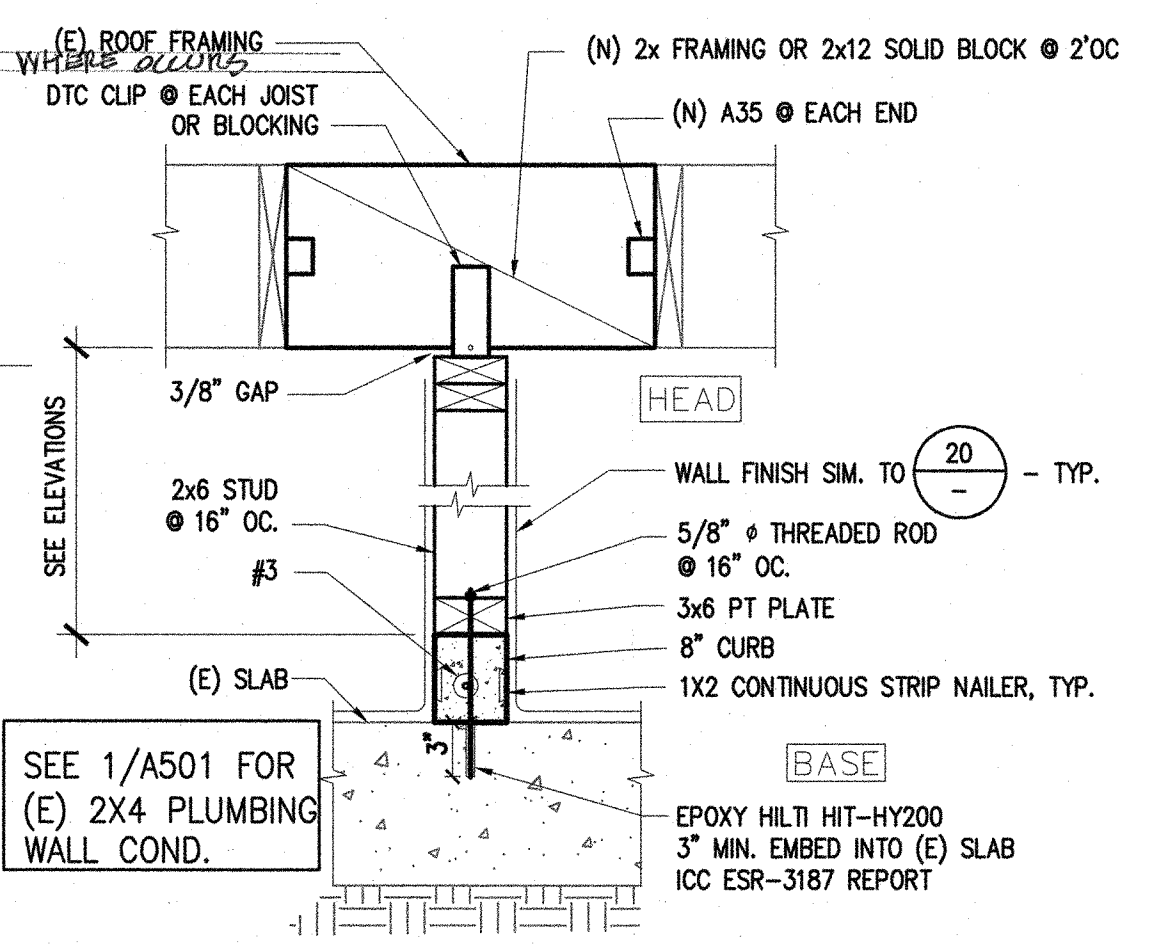
TYP. TOILET ROOM WALL / CERAMIC TILE
SCALE 3"=1'-0"



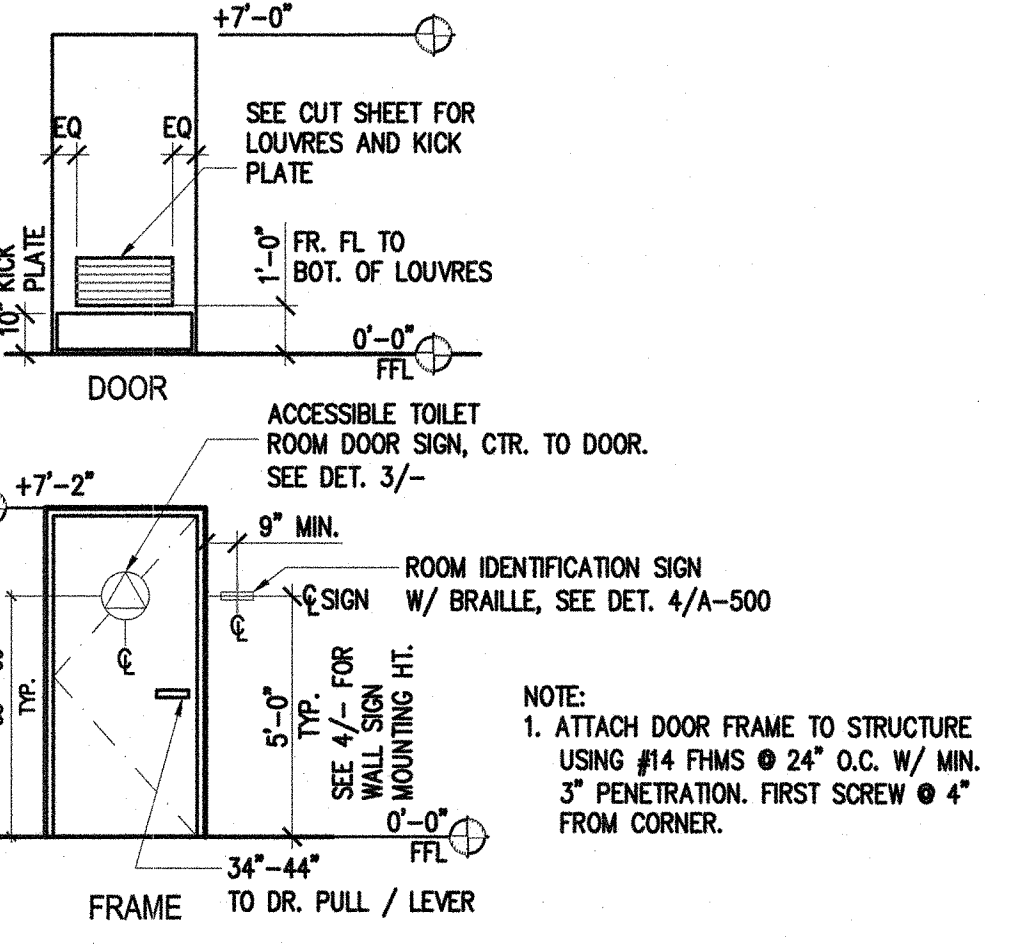
WALL MOUNTED WATER CLOSET DETAIL
APPLICABLE ONLY IF SHOWN ON THE FLOOR PLAN & ELEVATIONS
SCALE 1"=1'-0"



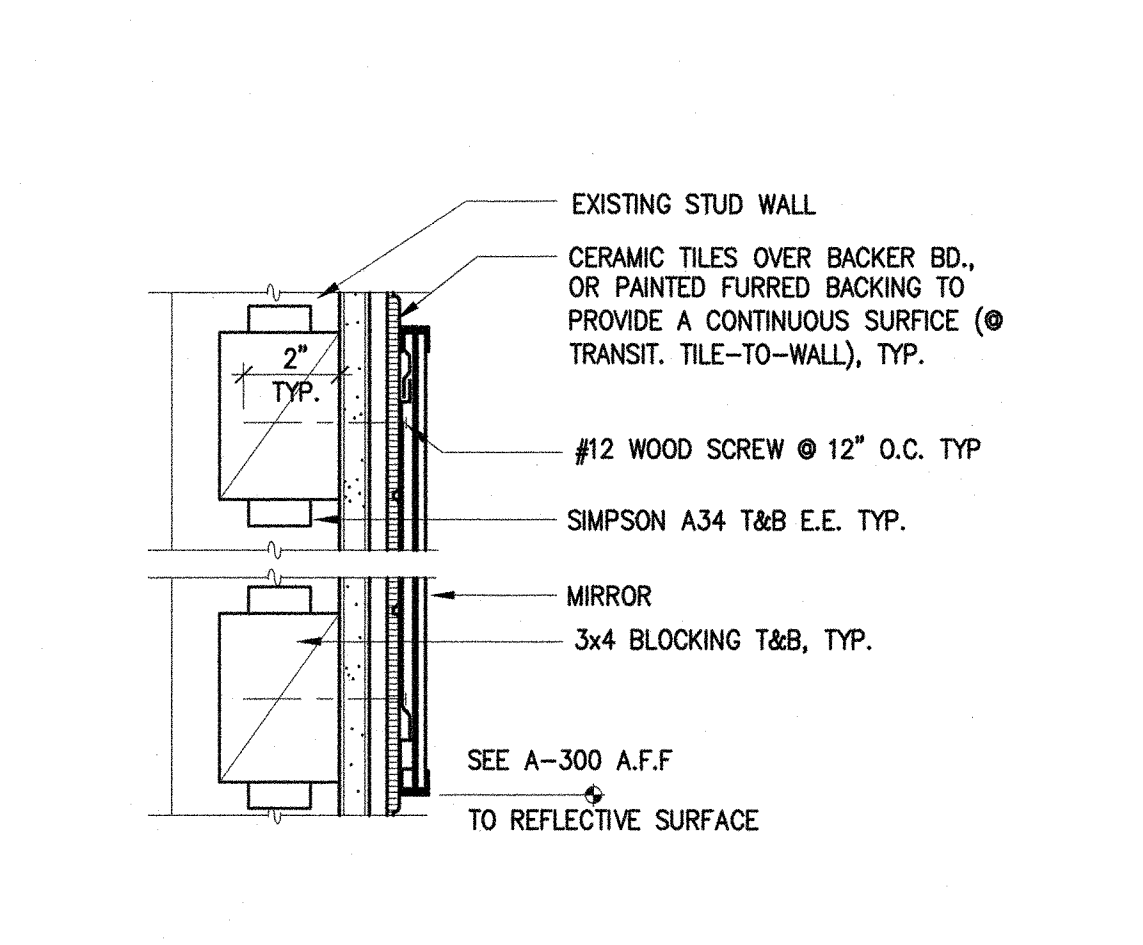
GRAB BAR ANCHORAGE
SCALE 3"=1'-0"



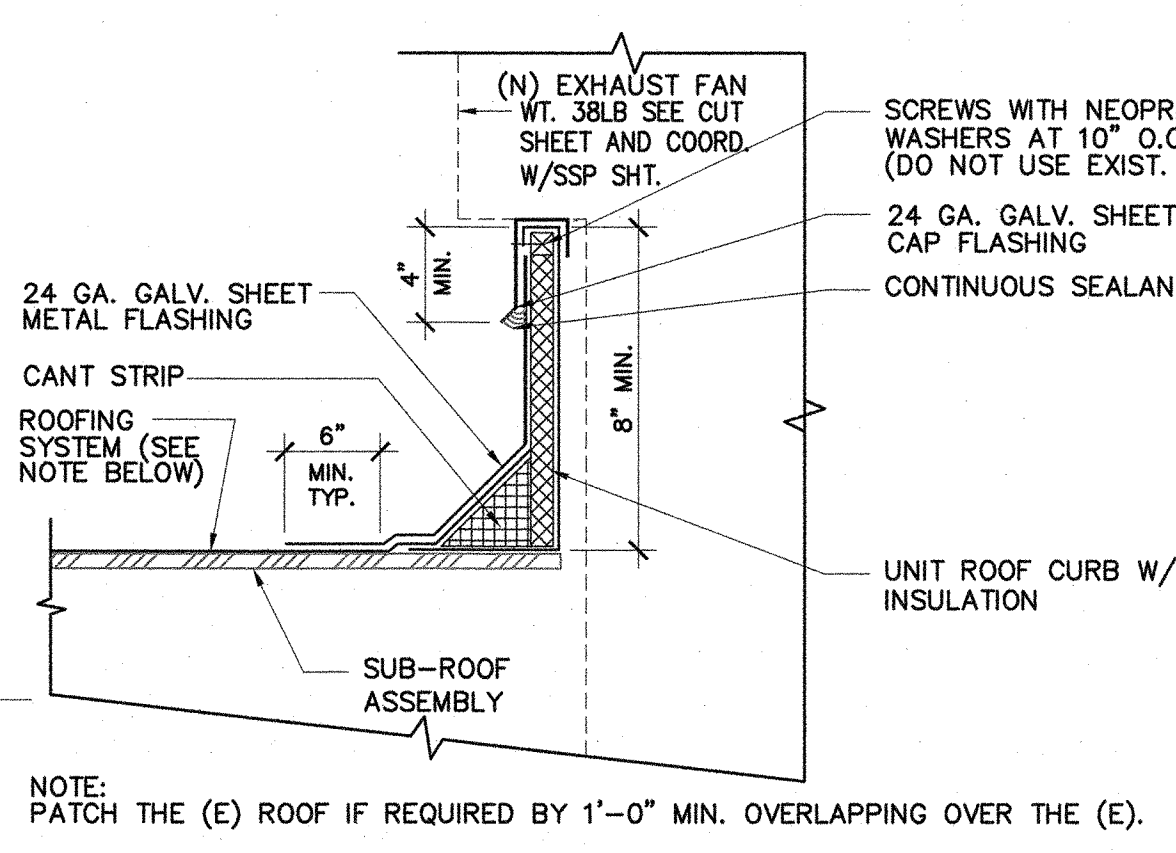
(PLUMBING) NEW PARTITION - FURRING SIM.
SCALE 3"=1'-0"



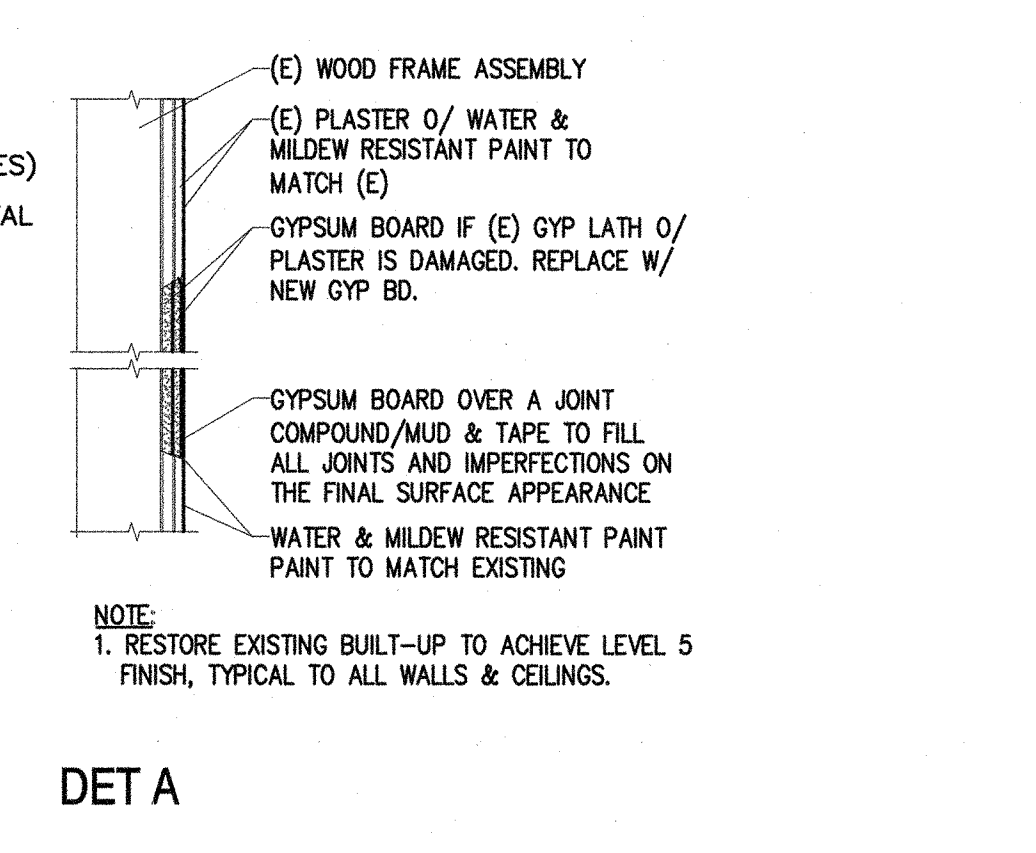
RESTROOM DOOR
SCALE 1/4"=1'-0"



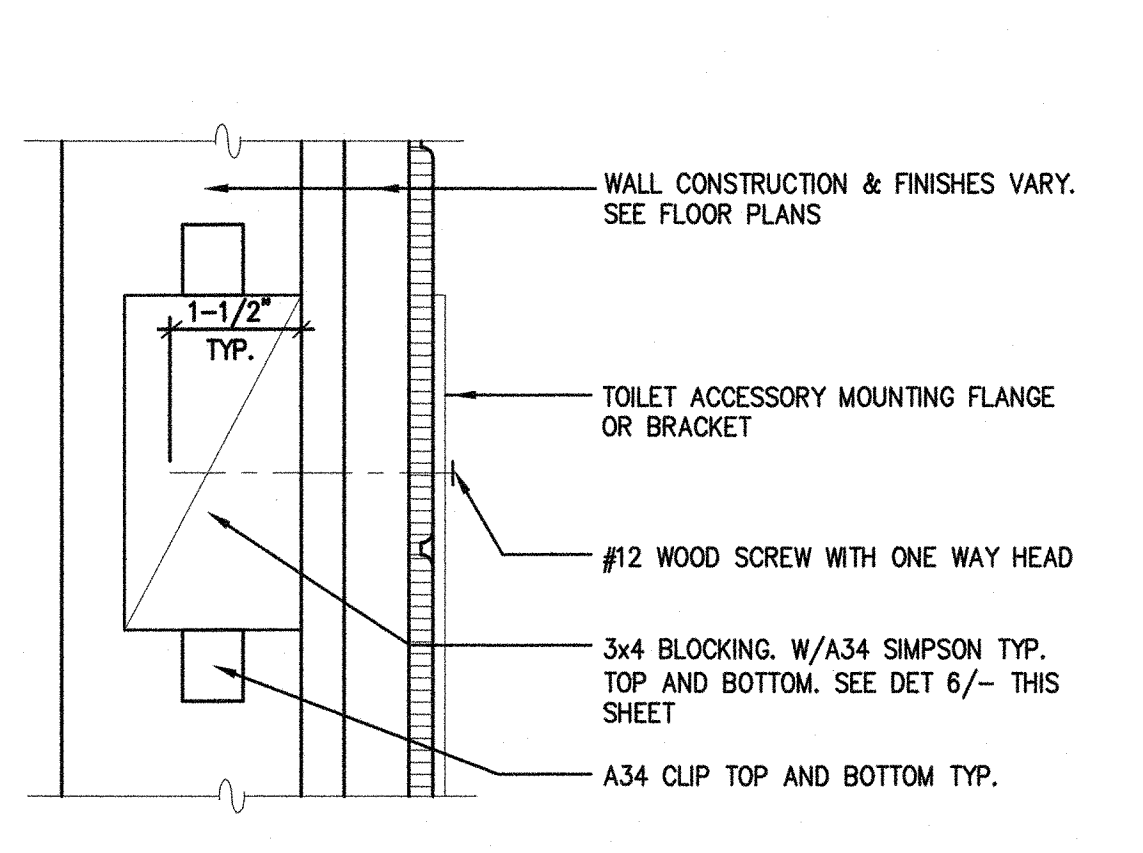
MIRROR MOUNTING
SCALE 3"=1'-0"



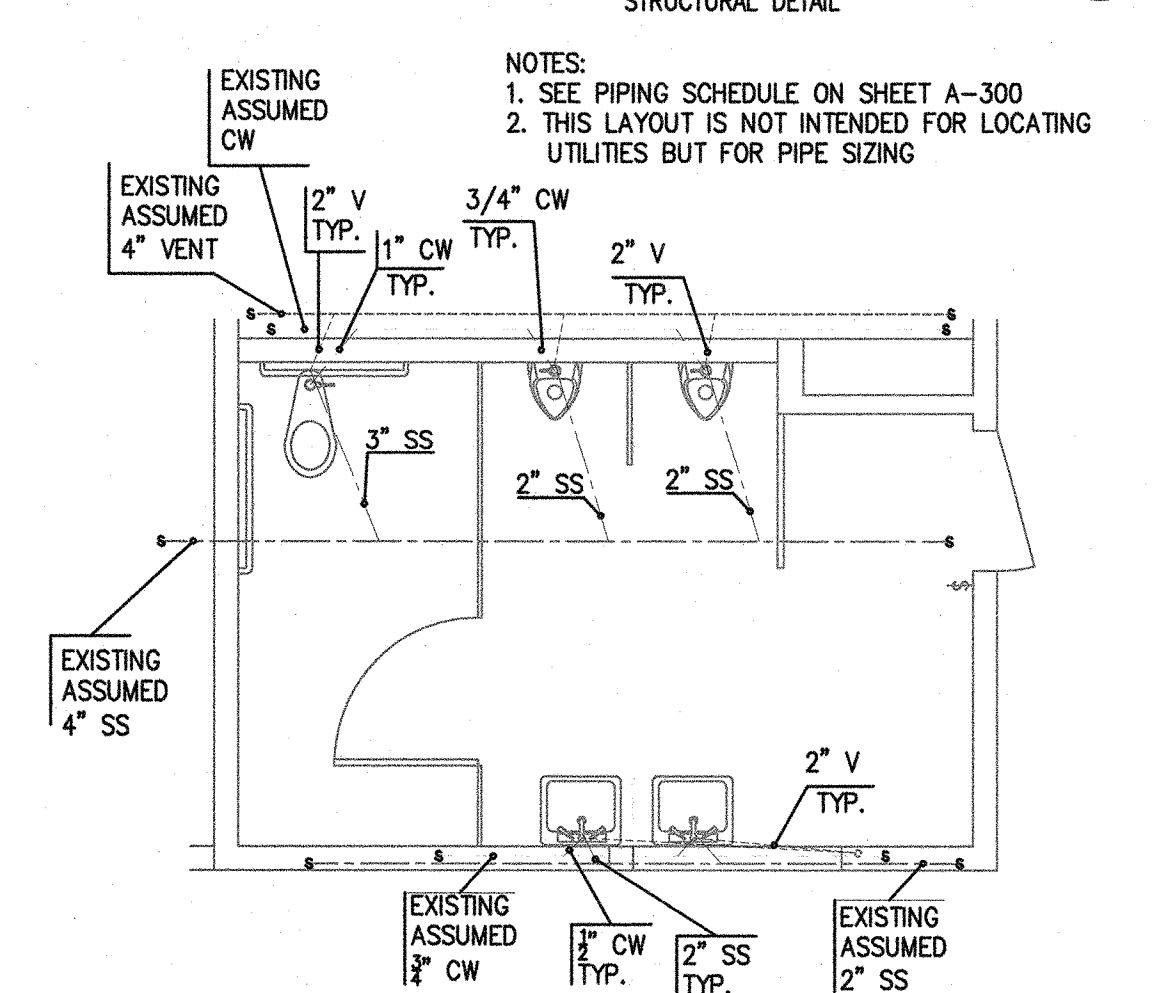
TYP. ROOF FLASHING @ EXHAUST FAN
SCALE: 1-1/2"=1'-0"



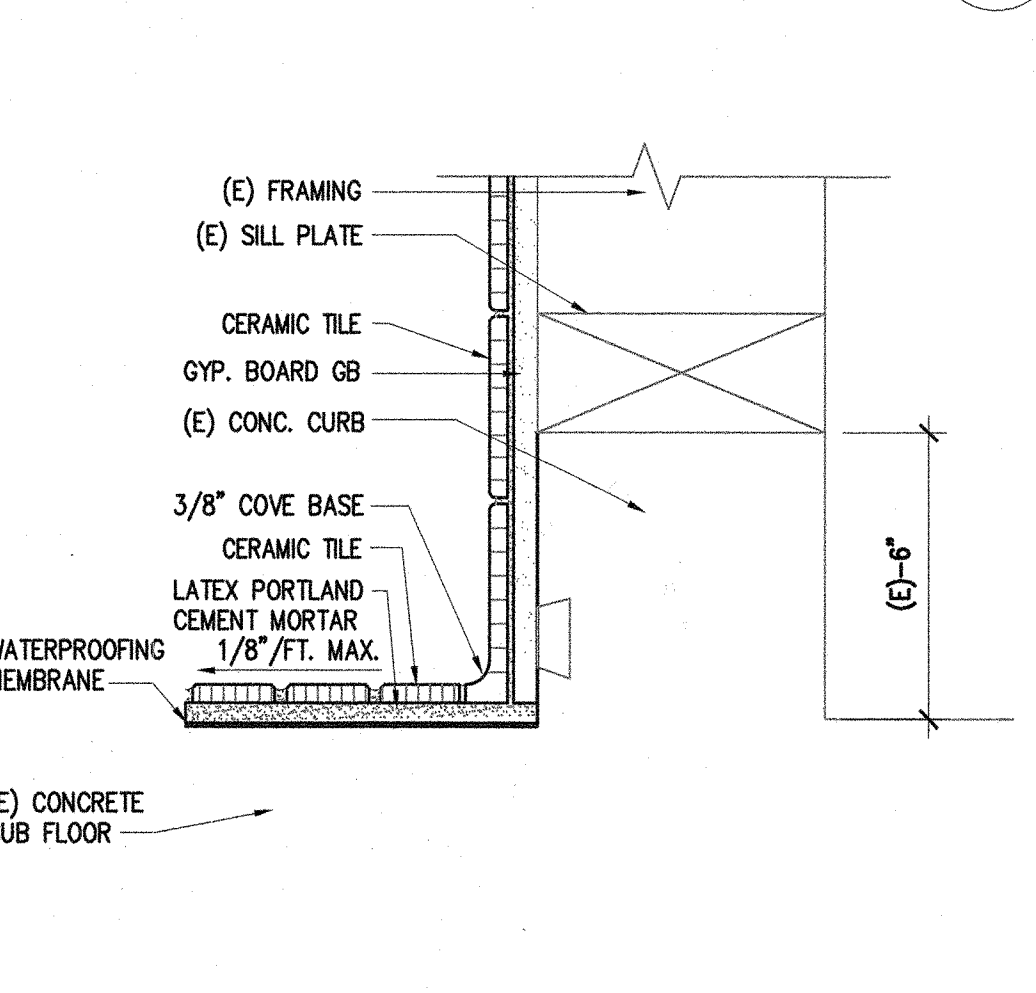
GYP. BOARD PATCH/FINISH
SCALE: 1-1/2"=1'-0"



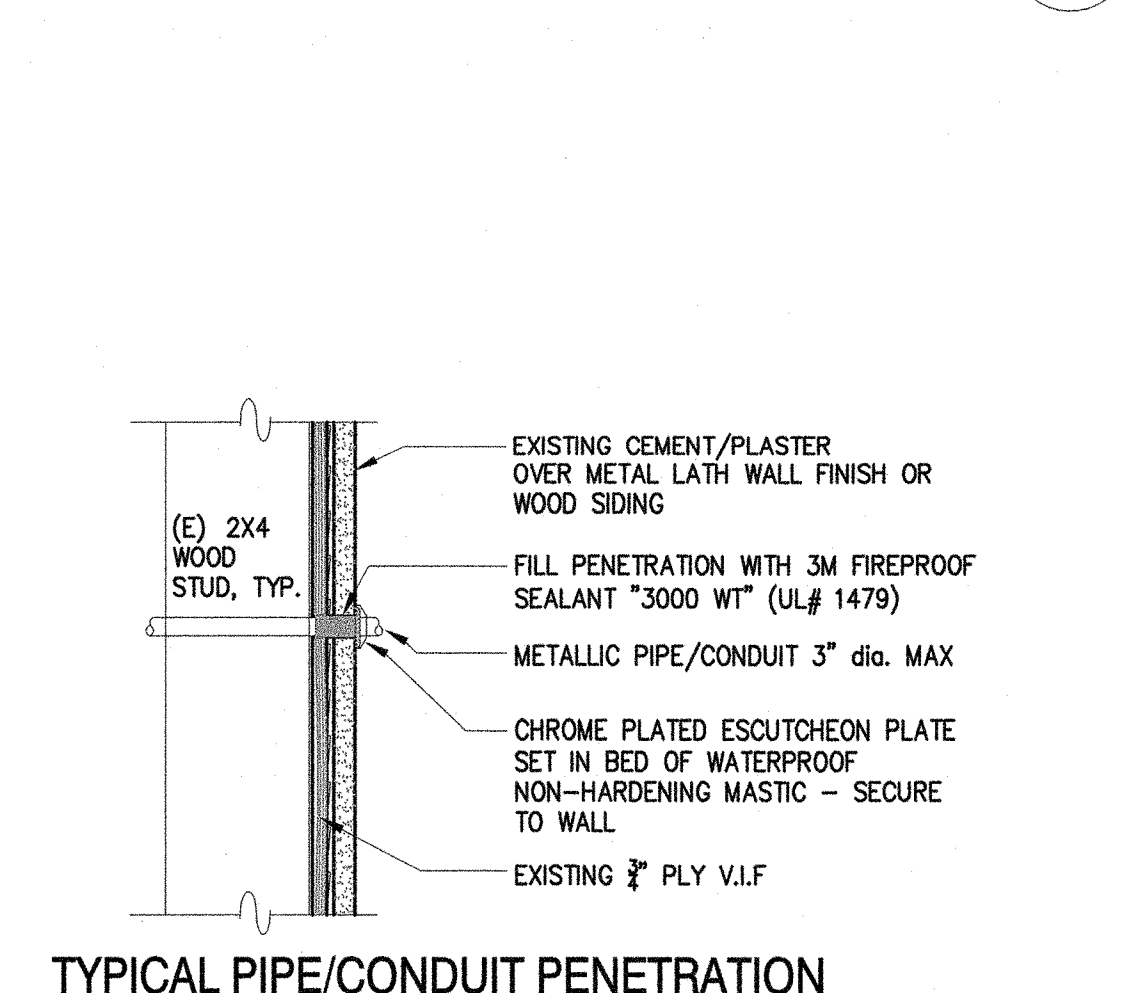
TYPICAL MOUNT FOR TOILET ACCESSORIES
SCALE 6"=1'-0"



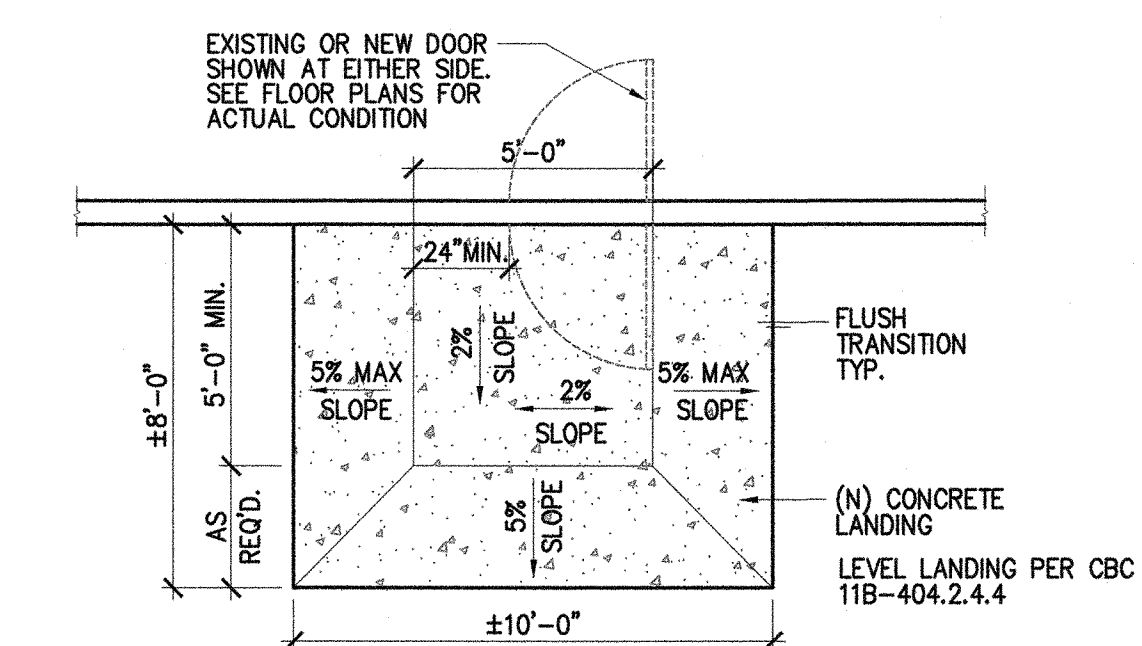
TYPICAL PIPE-SIZING DIAGRAM
SCALE 1/4"=1'-0"



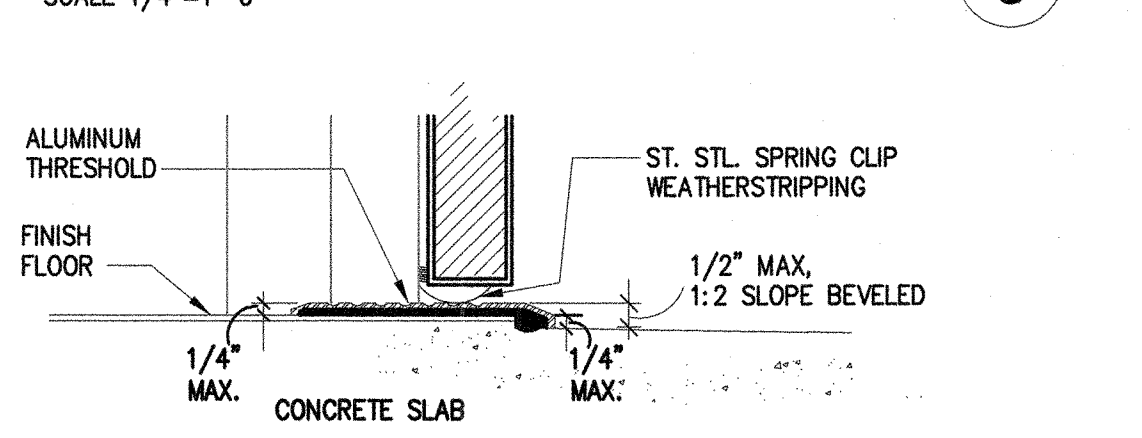
CERAMIC TILE COVE BASE @ TOILET ROOM
SCALE 3"=1'-0"



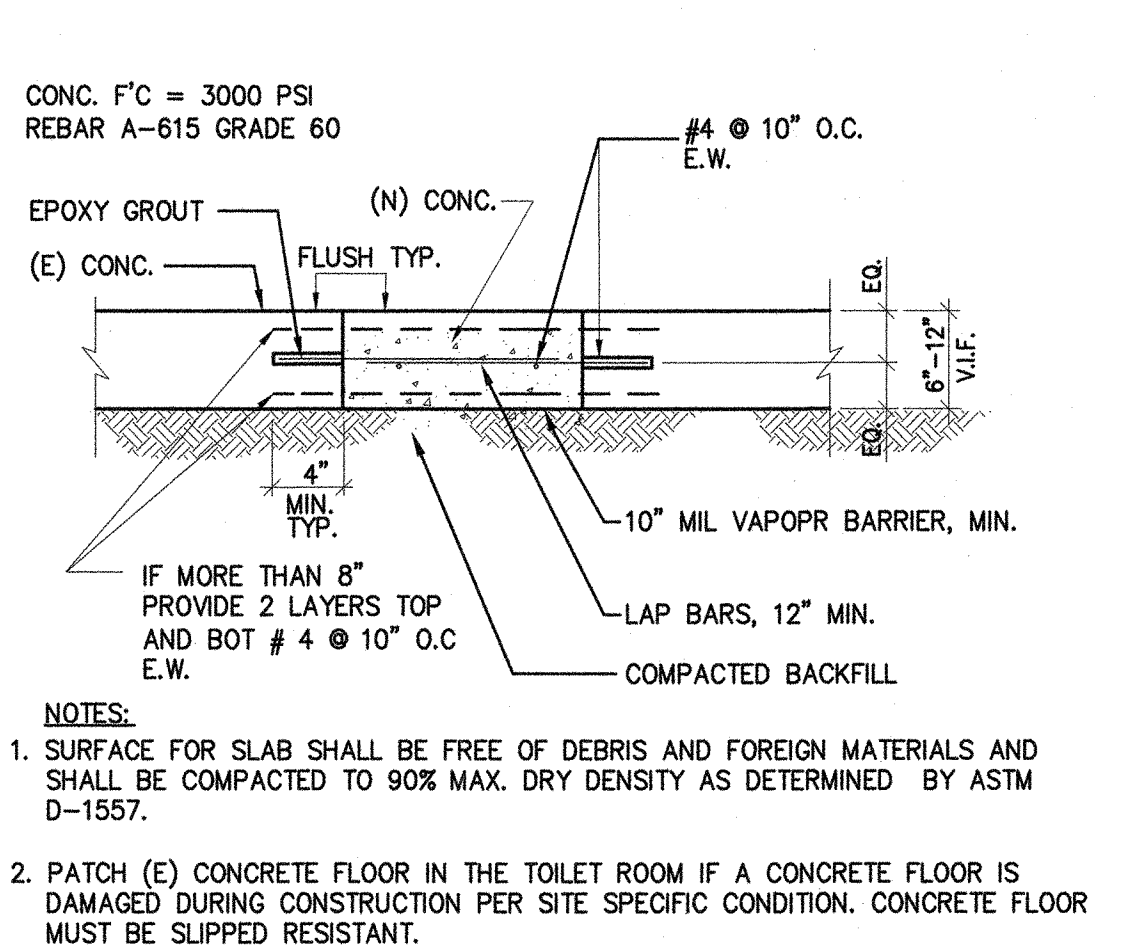
TYPICAL PIPE/CONDUIT PENETRATION THROUGH EXISTING EXTERIOR WALL
N.T.S. SIM @ INT. WALL OR CEILING



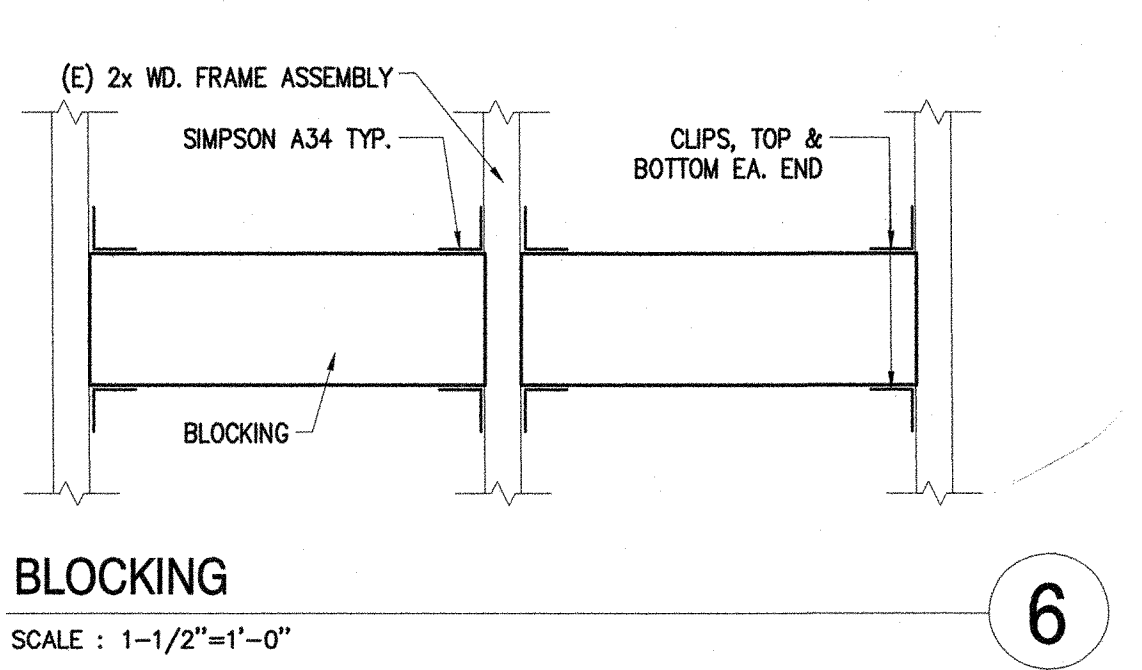
TYP. CONCRETE LANDING
SCALE 1/4"=1'-0"



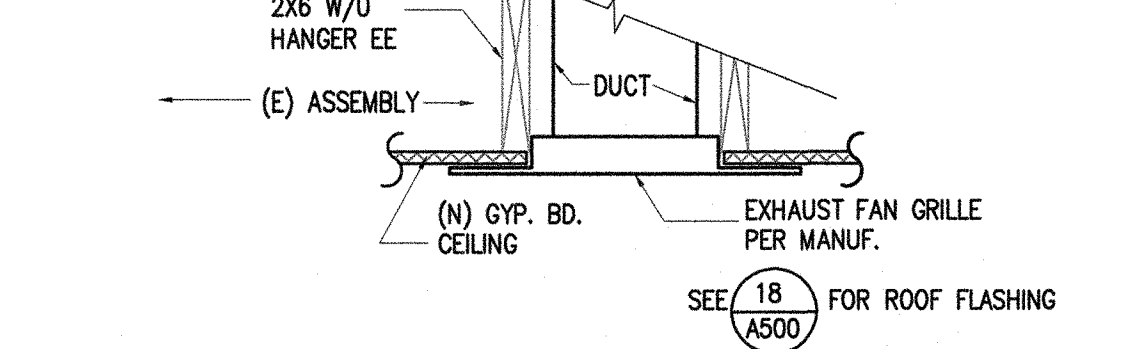
DOOR THRESHOLD
SCALE: 3"=1'-0"



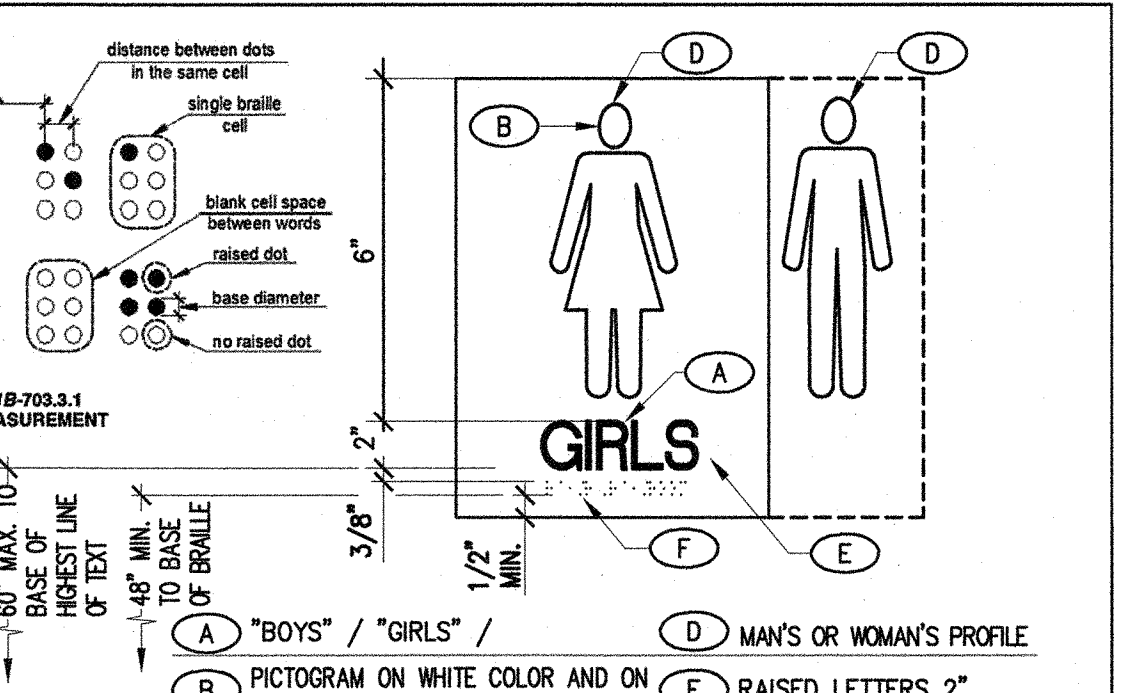
REPAIR OF (E) CONCRETE
SCALE: 3"=1'-0"



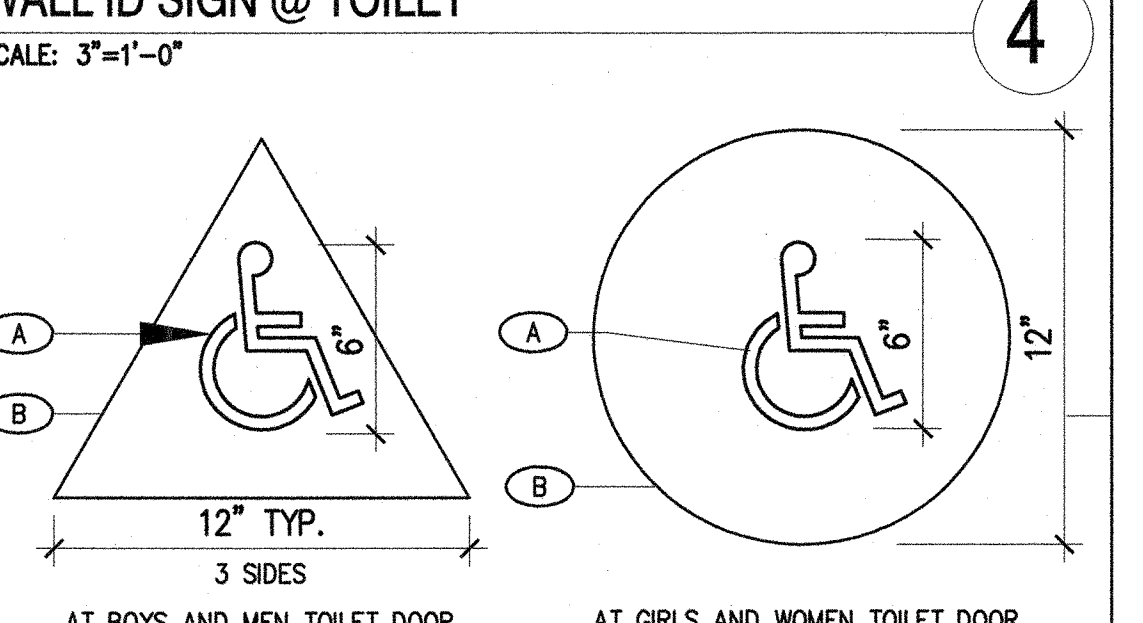
BLOCKING
SCALE: 1-1/2"=1'-0"



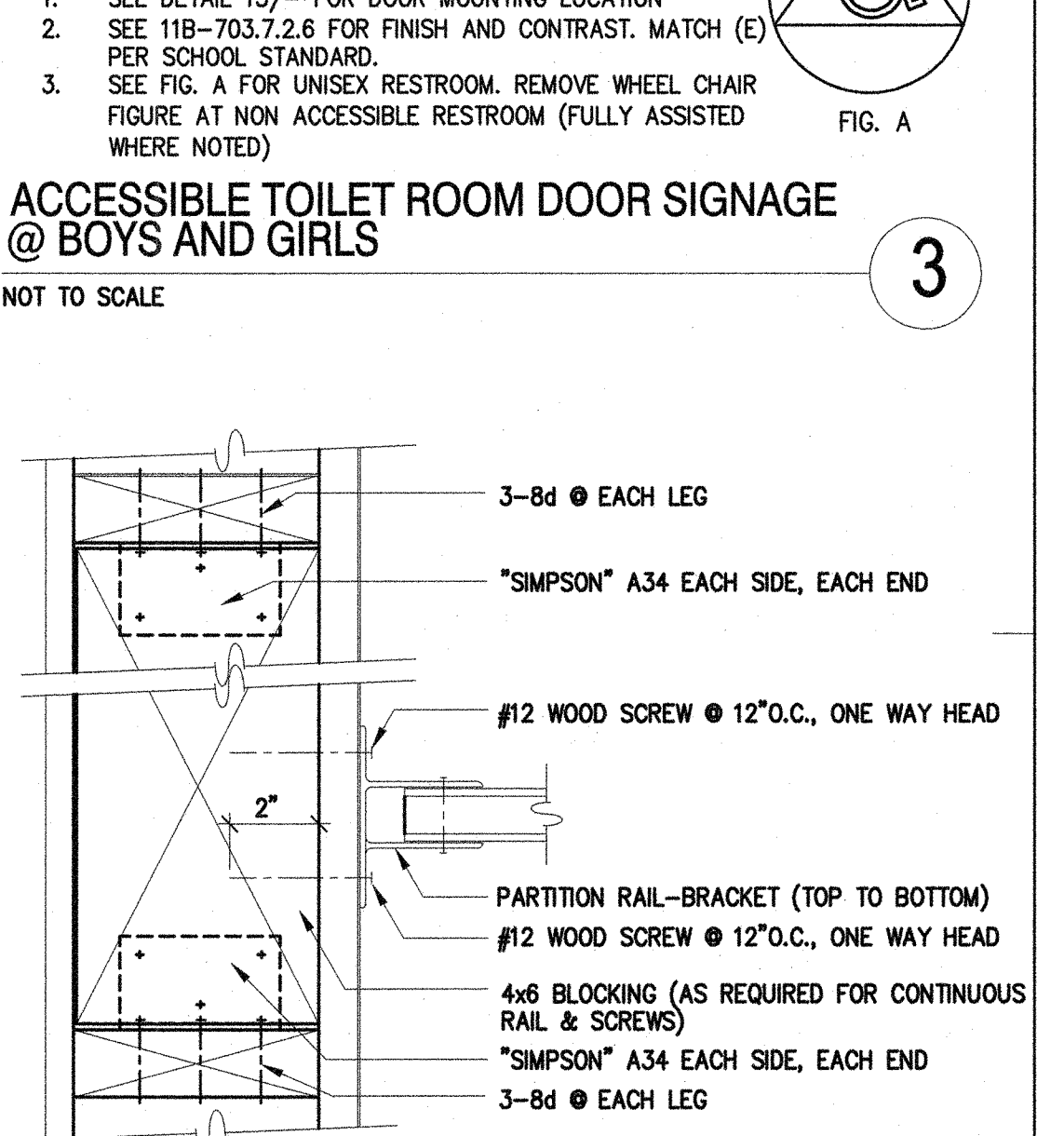
EXHAUST FAN GRILLE
SCALE 1-1/2"=1'-0"



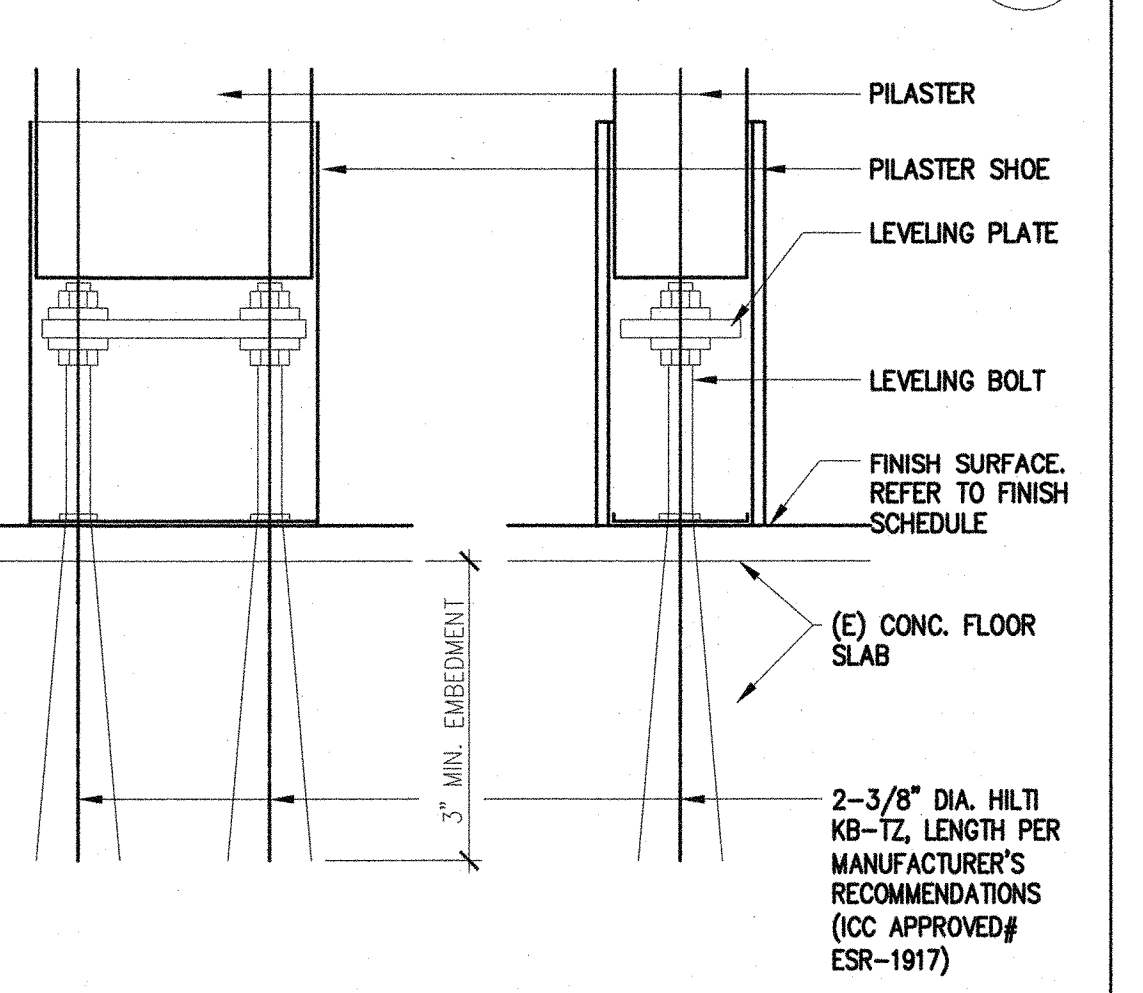
WALL ID SIGN @ TOILET
SCALE: 3"=1'-0"



ACCESSIBLE TOILET ROOM DOOR SIGNAGE @ BOYS AND GIRLS
NOT TO SCALE



TOILET PTN ANCHORAGE - @ WALL
SCALE 3"=1'-0"



TOILET PARTITION MOUNTING @ BASE
SCALE: 1-1/2"=1'-0"

1936 Carlotta Dr.,
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PHD ARCHITECTS, INC.
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Architecture - Planning - Interiors

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STRUCTURAL ENGINEER
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433 AIRPORT BLVD., #106E
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TEL. (650) 620-9555

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
01-117193
AC *Rg* FLS *Am* SS *SP*
DATE 3/14/18

PROJECT TITLE:
**VOLUNTARY ACCESSIBLE
UPGRADE TO STUDENTS'
RESTROOMS**

KEY PLANS:

REVISIONS:

date	description	symbol
1/16/2018	DSA PROJECT SUBMITTAL	
3/14/2018	DSA BACKCHECK	
3/16/2018	FINAL BID SET	

PHD ARCHITECTS JOB #
17-215

SCALE:
AS NOTED

DATE:
3/14/18

SHEET NAME & NUMBER:

DETAILS

A-500



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ARCHITECTS, INC.

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DIVISION OF THE STATE ARCHITECT

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1/16/2018	DSA PROJECT SUBMITTAL	
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PHD ARCHITECTS JOB #
17-215

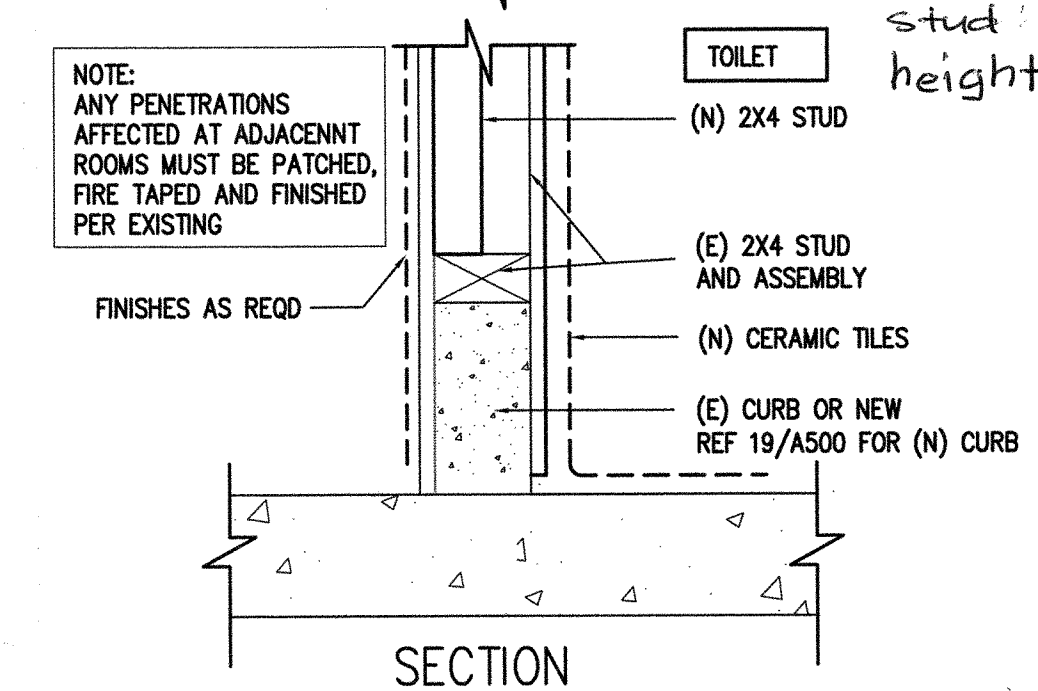
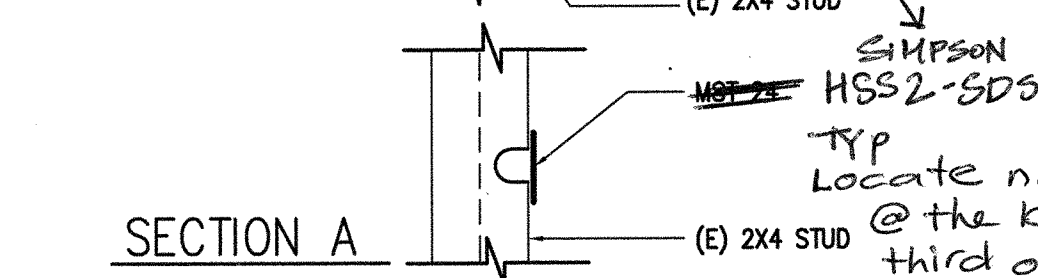
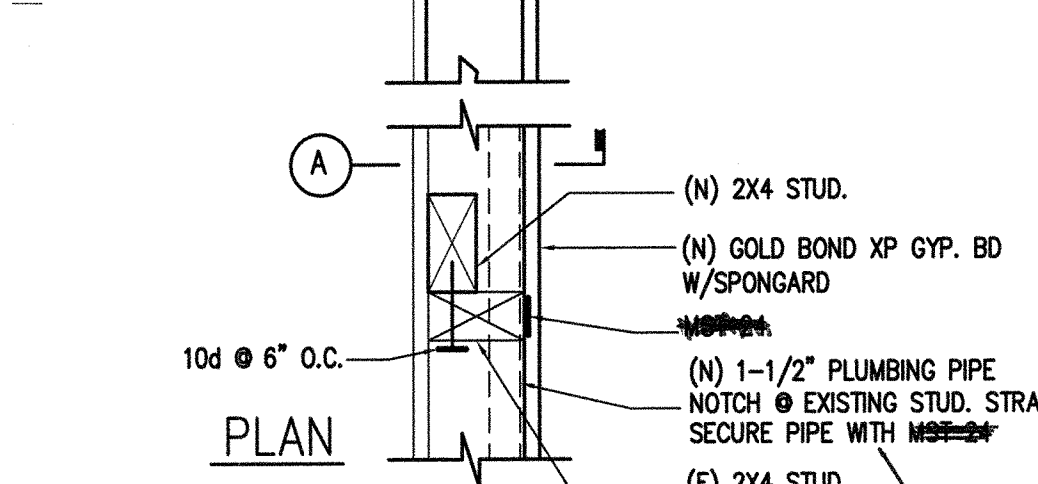
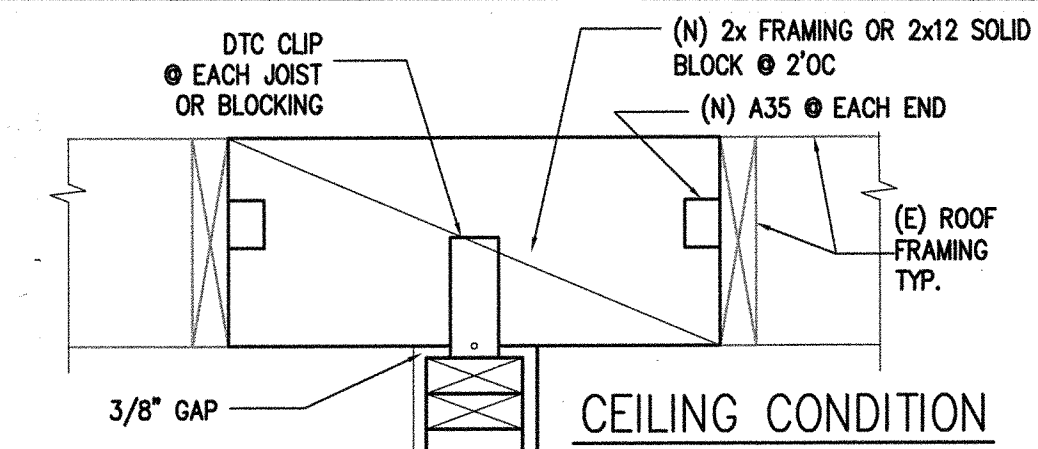
SCALE:
AS NOTED

DATE:
3/14/18

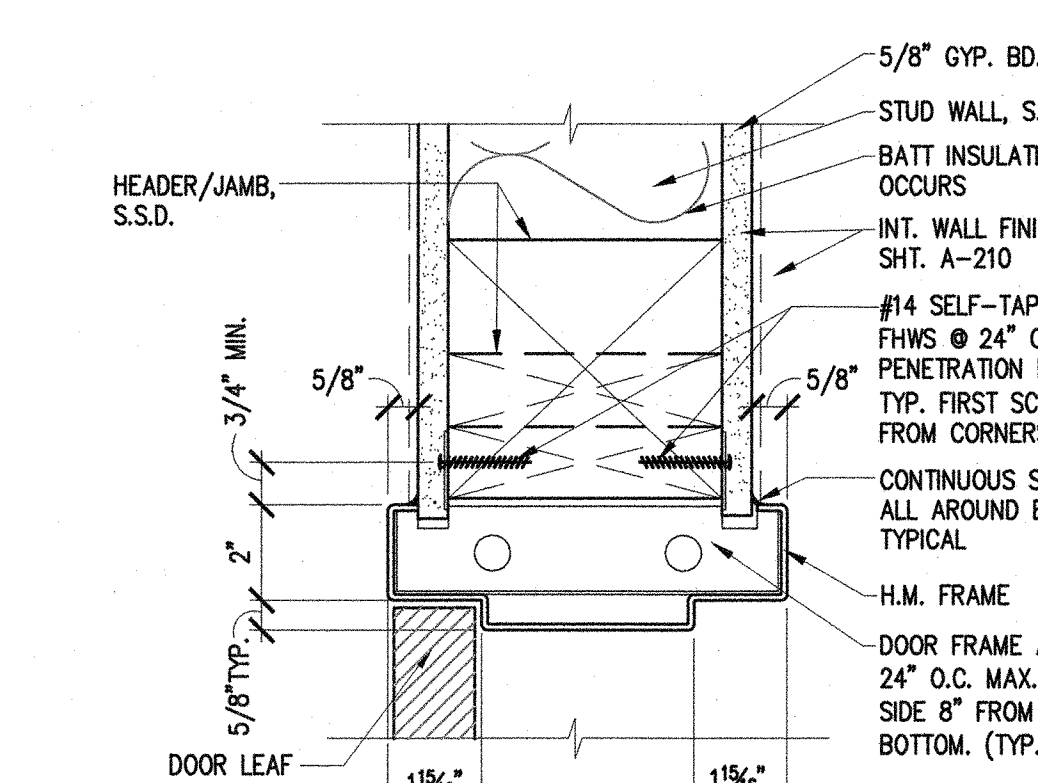
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DETAILS

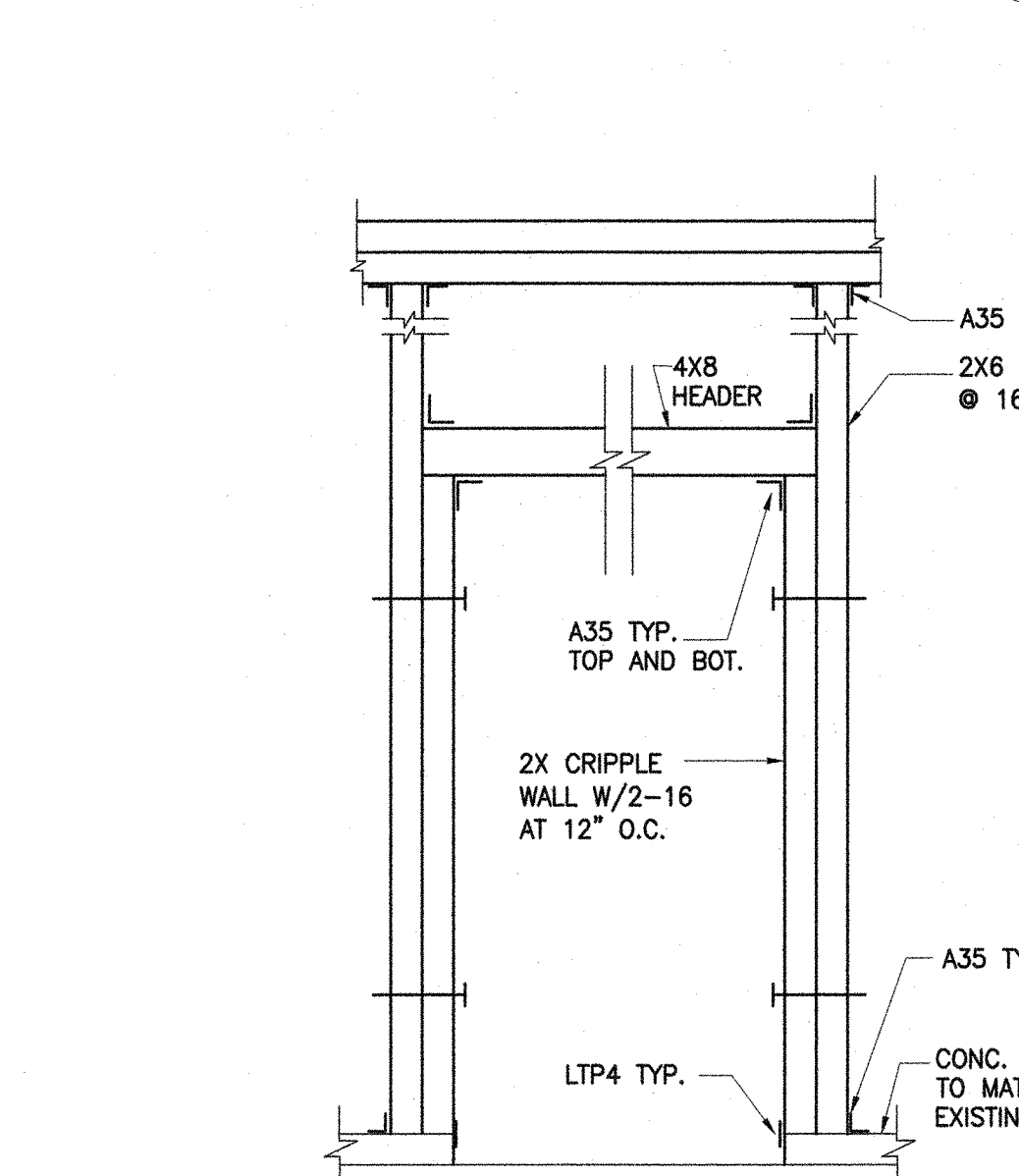
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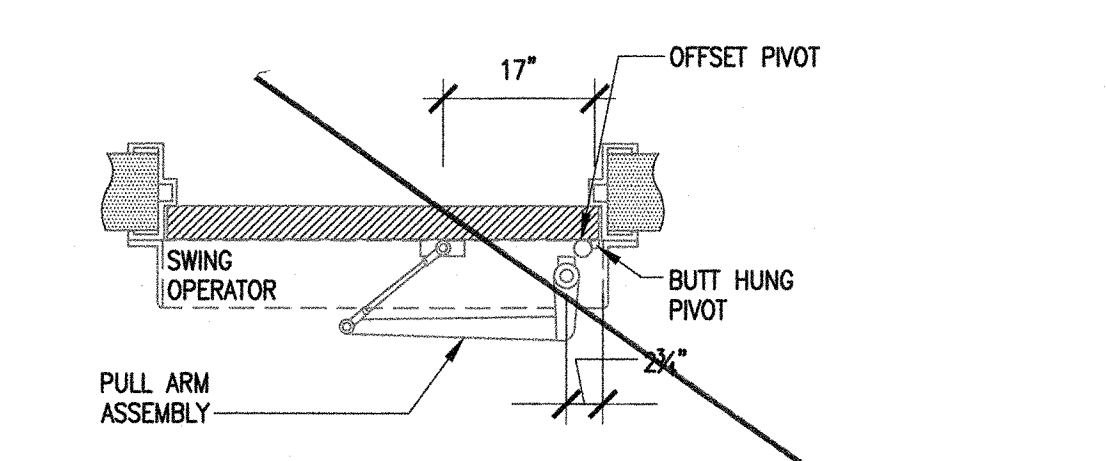
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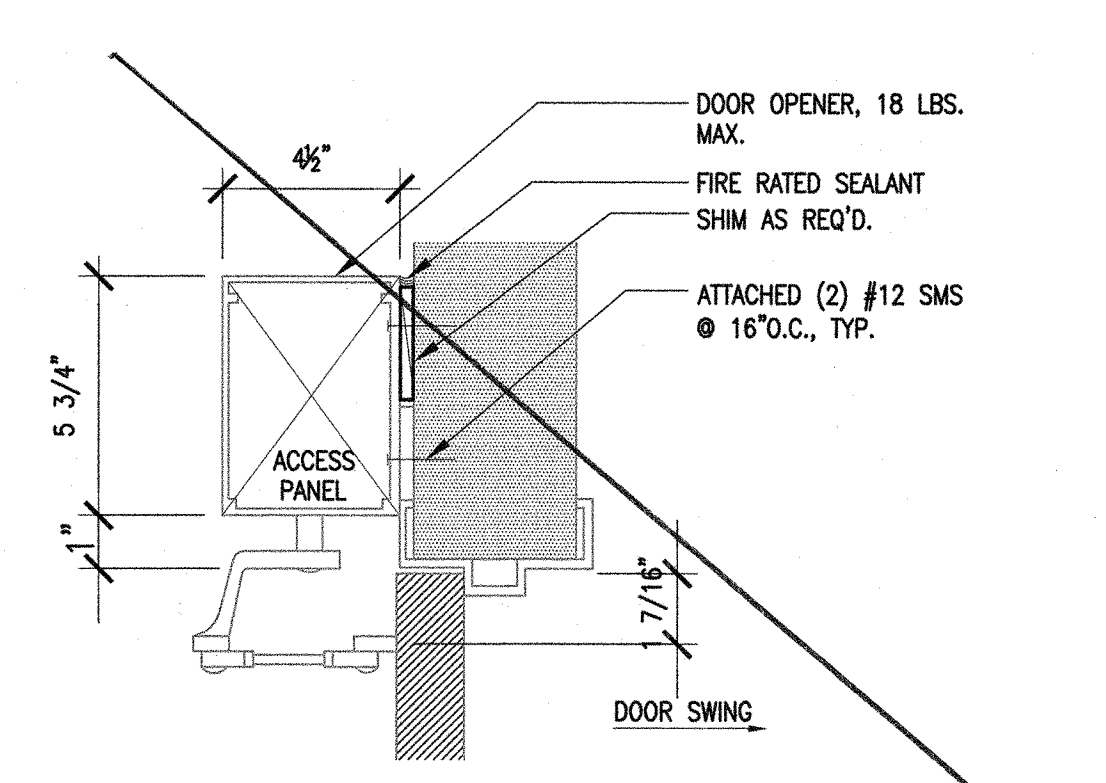
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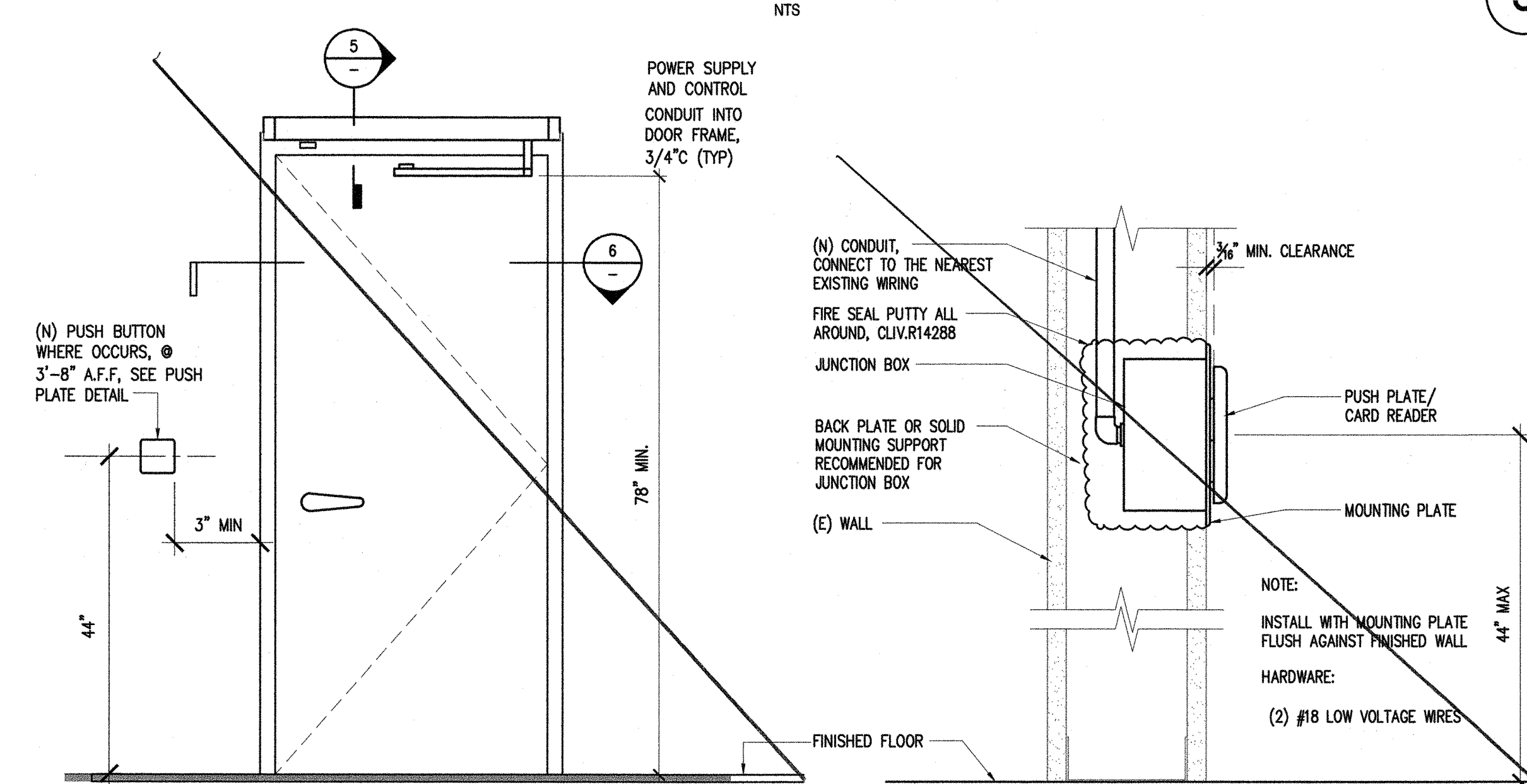
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6



5



4

(N) DOOR OPENER PUSH PLATE - DE-SCOPE

STRUCTURAL SPECIFICATIONS

DESIGN CRITERIA

CODES
CALIFORNIA BUILDING CODE 2016 EDITION, TITLE 24, PART 2.

STRUCTURAL SPECIFICATIONS

CAST-IN-PLACE CONCRETE

TESTING AND INSPECTION BY THE OWNER'S TESTING LABORATORY

- THE OWNER'S TESTING LABORATORY WILL REVIEW CONCRETE MIX DESIGNS, CEMENT CHEMICAL ANALYSIS, CERTIFICATES OF COMPLIANCE, AS SUPPLIED BY THE CONTRACTOR FOR CONFORMANCE TO 2016 CBC, SECTION 1903A AND THESE SPECIFICATIONS.
- REVIEW OF: CONTRACTOR SUBMITTALS, BATCH PLANT CERTIFICATES, ADMIXTURES, ETC.
- TEST AGGREGATES PER CBC.
- BATCH PLANT INSPECTION IN ACCORDANCE WITH CBC.
- ALL CEMENT USED SHALL BE SAMPLED BY THE OWNER'S TESTING LABORATORY IN ACCORDANCE WITH CBC. CEMENT SAMPLES SHALL BE HELD FOR POSSIBLE TESTING UNTIL COMPLETION OF CONSTRUCTION CONCRETE STRENGTH $f'c=3000$ PSI
- CONSTRUCTION TESTING AND INSPECTION:
 - REVIEW AND/OR PROPOSE ADJUSTMENTS TO REVIEWED MIX DESIGNS TO ACCOUNT FOR SITE, WEATHER CONDITIONS, ETC.
 - THE OWNER'S TESTING LABORATORY INSPECTOR WILL MAKE A SET OF THREE (3) SPECIMENS AT THE JOB FOR EACH CLASS OF CONCRETE FOR EACH 50 CUBIC YARDS, OR FRACTION THEREOF AND NOT LESS THAN ONE SET FOR EACH 2,000 SQUARE FEET OF SURFACE AREA FOR SLABS OR WALLS, OF EACH GRADE OF STRUCTURAL CONCRETE USED FOR EACH DAY'S PLACEMENT EXCEPT WHEN THE TOTAL VOLUME OF ANY ONE GRADE OF CONCRETE EXCEEDS 150 CUBIC YARDS PLACED PER DAY, THERE SHALL BE NOT LESS THAN ONE TEST FOR EACH 150 YARDS, OR FRACTION THEREOF, PLACED EACH DAY. PERFORM STANDARD 6"x12" CYLINDER TESTS IN ACCORDANCE WITH ASTM C31 & CBC STANDARDS. A RECORD OF THE LOCATION IN THE BUILDING OF EACH CONCRETE BATCH WILL BE KEPT AND NOTED ON THE SPECIMEN. STANDARD COMPRESSION TESTS OF CYLINDERS WILL BE MADE, ONE AT 7 DAYS AND ONE AT 28 DAYS IN ACCORDANCE WITH ASTM C39 & CBC.
 - THESE CYLINDERS WILL REPRESENT AS NEARLY AS POSSIBLE THE BATCH OF CONCRETE FROM WHICH THEY ARE TAKEN, AND WILL BE TESTED AT THE AGES OF 7 AND 28 DAYS RESPECTIVELY (2 CYLINDERS), WITH ONE IN RESERVE. THE STRENGTH OF THE CONCRETE IS THE AVERAGE OF THE COMPRESSION STRENGTH OF TWO CYLINDERS TESTED AT 28 DAYS. IF THE STRENGTH OF THE MOLDED TEST CYLINDERS FALLS BELOW THE MINIMUM ULTIMATE COMPRESSIVE STRENGTH IN DESIGN, THE PROPORTION OF THE CONCRETE MIX OF THE REMAINING PORTION OF THE STRUCTURE SHALL BE ADJUSTED AS TO GIVE CONCRETE OF THE ASSUMED STRENGTH. THE DEFECTIVE CONCRETE IN PLACE SHALL BE TESTED BY TAKING CORES FROM THE STRUCTURE AS OUTLINED IN CBC, SECTION AT THE CONTRACTOR'S EXPENSE.
 - IF THE COMPRESSION TESTS OF THE CORE SPECIMENS FAIL TO SHOW THE COMPRESSIVE STRENGTH CALLED FOR AS A MINIMUM, THE CONCRETE WILL BE DEEMED DEFECTIVE AND SHALL BE REMOVED AND REPLACED OR ADEQUATELY STRENGTHENED IN A MANNER ACCEPTABLE TO THE DSA & THE OWNER AT THE CONTRACTOR'S EXPENSE. FIELD SPECIMENS OF CONCRETE AND TESTS THEREOF SHALL BE IN ACCORDANCE WITH CBC.
 - NOTE: WHERE A CYLINDER TESTED AT 7 OR 28 DAYS IS IN EXCESS OF DESIGN STRENGTH, NO FURTHER TESTING WILL BE DONE. THE CONTRACTOR SHALL PROVIDE A SATISFACTORY BIN FILLED WITH DAMP SAND FOR STORAGE OF THE SPECIMEN CYLINDERS UNTIL DELIVERED TO THE LABORATORY.
- NON-STRUCTURAL CONCRETE
 - TESTING AND INSPECTION IS NOT REQUIRED.
 - SLUMP TEST AND AIR TESTS WILL BE MADE AT THE TIME OF TAKING TEST SPECIMENS, AND/OR AT ONE-HOUR INTERVALS DURING PLACING OF CONCRETE IN ACCORDANCE WITH ASTM D143.9.
 - TESTING OF DRILLED AND/OR GROUTED CONCRETE ANCHORS: TESTING LABORATORY SHALL TEST ALL SUCH ANCHORS AS NOTED ON THE DRAWINGS.
 - THE INSPECTOR WILL OBTAIN, FOR EACH TRANSIT MIXER, BATCH CERTIFICATES FOR EACH DELIVERY, INDICATING BATCH DATE, TIME, INGREDIENT QUANTITIES, WATER ADDED AT PLANT AND JOB SITE, AND NUMBER OF MIXER REVOLUTIONS UP TO START OF PLACING.
 - THE LABORATORY'S INSPECTOR WILL REPORT TO THE CONTRACTOR WHEN MATERIAL DOES NOT MEET THE REQUIREMENTS NOTED HEREIN. THE CONTRACTOR SHALL DISALLOW USE OF SUCH MATERIAL UNLESS PRIOR APPROVAL FOR USE IS GIVEN BY THE ARCHITECT/ENGINEER AND THE DSA

MATERIALS

- PORTLAND CEMENT: ASTM C150, TYPE II WITH THE FOLLOWING PROPERTIES:
 - MAXIMUM PERCENTAGE (BY WEIGHT) OF THE FOLLOWING COMPOUNDS IS LIMITED TO: TRI-CALCIUM ALUMINATE - 6% TRI-CALCIUM ALUMINATE AND TRI-CALCIUM SILICATE 60%
 - CEMENT SHALL CONFORM TO CBC.
- CONCRETE AGGREGATES: ASTM C33 AND CBC, STONE AGGREGATE. SOURCE SHALL REMAIN CONSTANT THROUGHOUT THE DURATION OF THE JOB. THE EXACT PROPORTIONS OF COMBINED FINE AGGREGATES AND COURSE AGGREGATES TO BE USED IN THE MIX SHALL MEET THE REQUIREMENTS OF CBC.
- WATER: POTABLE, CLEAN, FROM DOMESTIC SOURCE:
 - ADMIXTURES: ALL ADMIXTURES SHALL BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ADMIXTURES CONTAINING CALCIUM CHLORIDES SHALL NOT BE USED WITHOUT THE APPROVAL OF THE ARCHITECT/ENGINEER AND THE OWNER'S TESTING LABORATORY. ADMIXTURES SHALL CONFORM TO CBC.
 - WATER REDUCING ADMIXTURES: ASTM C494, TYPE A; "POZZOLITH 300R", MASTER BUILDERS; WRDA 79, WR GRACE CO.; APPROVED EQUAL.
 - WATER REDUCING ADMIXTURES AND RETARDER: ASTM C494, TYPE D; "POZZOLITH 300R", MASTER BUILDERS; "PLASTIFLOW-R" BY NOX-CRETE; OR APPROVED EQUAL.
 - AIR ENTRAINMENT: MBAE-10, MASTER BUILDERS AIR ENTRAINMENT.

STRUCTURAL SPECIFICATIONS (CONTINUE)

CONCRETE MIXES

- CONTRACTOR SUBMITTALS SHALL BE SUPPLIED TO THE DSA, THE PI AND THE OWNER'S TESTING LABORATORY AT LEAST 15 DAYS BEFORE PLACING CONCRETE.
- THE PROPORTIONS OF THE CONCRETE MIXES SHALL BE SUCH AS TO PRODUCE CONCRETE OF REQUIRED: AVERAGE STRENGTH (AS DESCRIBED BY CBC SECTION 1908A.5), SET TIME, SLUMPS, AGGREGATE SIZES, SHRINKAGE, AND OF A CONSISTENCY THAT WILL ALLOW THOROUGH COMPACTION WITHOUT EXCESSIVE PUDDLING, SPADING, OR VIBRATION, AND WITHOUT PERMITTING THE MATERIALS TO SEGREGATE, OR FREE WATER TO COLLECT ON THE SURFACE. THE SIZE OF AGGREGATES SHALL BE SUCH THAT IT WILL PRODUCE DENSE AND UNIFORM CONCRETE FREE FROM ROCK POCKETS, HONEYCOMB AND OTHER IRREGULARITIES. ALL CONCRETE MIXES SHALL HAVE ENTRAINED AIR FOR WORKABILITY (4% MAXIMUM). THE MINIMUM SET TIME FOR CONCRETE TO BE USED FOR FLATWORK SHALL BE 3-1/2 HOURS, OTHER CONCRETE 3 HOURS AS MEASURED FROM PLACEMENT OF MATERIALS IN THE MIXER.
- PRIOR TO SUBMITTAL OF MIX DESIGNS THE CONTRACTOR SHALL REVIEW THEM FOR COMPATIBILITY WITH HIS PLACING REQUIREMENTS TO INSURE THAT THE CONCRETE AS DESIGNED CAN BE PLACED IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
- CONCRETE MAY, AT THE CONTRACTOR'S OPTION, BE DESIGNED FOR EITHER PUMP OR CONVENTIONAL PLACEMENT WITH AGGREGATE SIZE, SLUMPS, ETC. TO BE MAINTAINED AS SPECIFIED BELOW.
- VARIATIONS IN MIX DESIGN ARE TO BE RESUBMITTED FOR REVIEW PRIOR TO USE.

CURING

CURING SHALL IMMEDIATELY FOLLOW FINISHING.

- FLATWORK ON GRADE: CURE BY ONE OF THE FOLLOWING METHODS:
 - WATERPROOF CURING PAPER: WHILE IN THOROUGHLY DAMP CONDITION, COVER WITH CURING PAPER; LAP SEAMS 6" MINIMUM AND EXTEND BEYOND SLAB OR PAVING PERIMETERS 6" MINIMUM; SEAL ALL LAPS AND EDGES WITH CONTINUOUS REINFORCING PLASTIC TAPE. DO NOT REMOVE FOR 7 DAYS MINIMUM.
 - WATER CURING: FLATWORK MAY BE CONTINUOUSLY WATER CURED WITH A FOG SPRAY OR FLOODED, FOR A PERIOD OF (7) DAYS MINIMUM (INCLUDING HOLIDAYS AND WEEKENDS).

FORMED CONCRETE MEMBERS:

- BEAMS, WALLS, COLUMNS, ETC., SHALL BE KEPT CONTINUOUSLY WET FOR A MINIMUM OF SEVEN (7) DAYS AFTER PLACEMENT, AND SHALL BE ADEQUATELY PROTECTED FROM COLD AND HOT WEATHER.
- FORMS SHALL BE KEPT TIGHT FOR THIS MINIMUM PERIOD OF TIME.
- COVER EXPOSED SURFACES WITH DAMP CLOTH MATERIALS.

CONCRETE REINFORCEMENT

TESTING AND INSPECTION

- REINFORCING STEEL IS TO BE SAMPLED AND TESTED BY THE OWNER'S TESTING LABORATORY IN ACCORDANCE WITH ASTM A615 AND, 2016 CBC.
- MATERIAL TESTS: WHERE SAMPLES ARE TAKEN FROM BUNDLES AS DELIVERED FROM THE MILL, WITH THE BUNDLES IDENTIFIED AS TO HEAT NUMBER, AND PROVIDED THE MILL ANALYZES ACCOMPANY THE REPORT, THEN ONE TENSILE TEST AND ONE BENT TEST SHALL BE MADE FROM A SPECIMEN FROM EACH 10 TONS OR FRACTION THEREOF OF EACH SIZE OF REINFORCING STEEL. WHERE IDENTIFICATION OF MATERIALS BY HEAT NUMBER TO MILL TESTS CANNOT BE MADE, THE CONTRACTOR SHALL HAVE THE MATERIALS TESTED AT HIS EXPENSE, MAKE ONE SERIES OF TENSION AND BEND TESTS FOR EACH 2-1/2 TONS OR FRACTION THEREOF EACH SIZE AND TYPE OF REINFORCING STEEL. TESTS SHALL BE PERFORMED BY A THE DISTRICT TESTING LABORATORY.

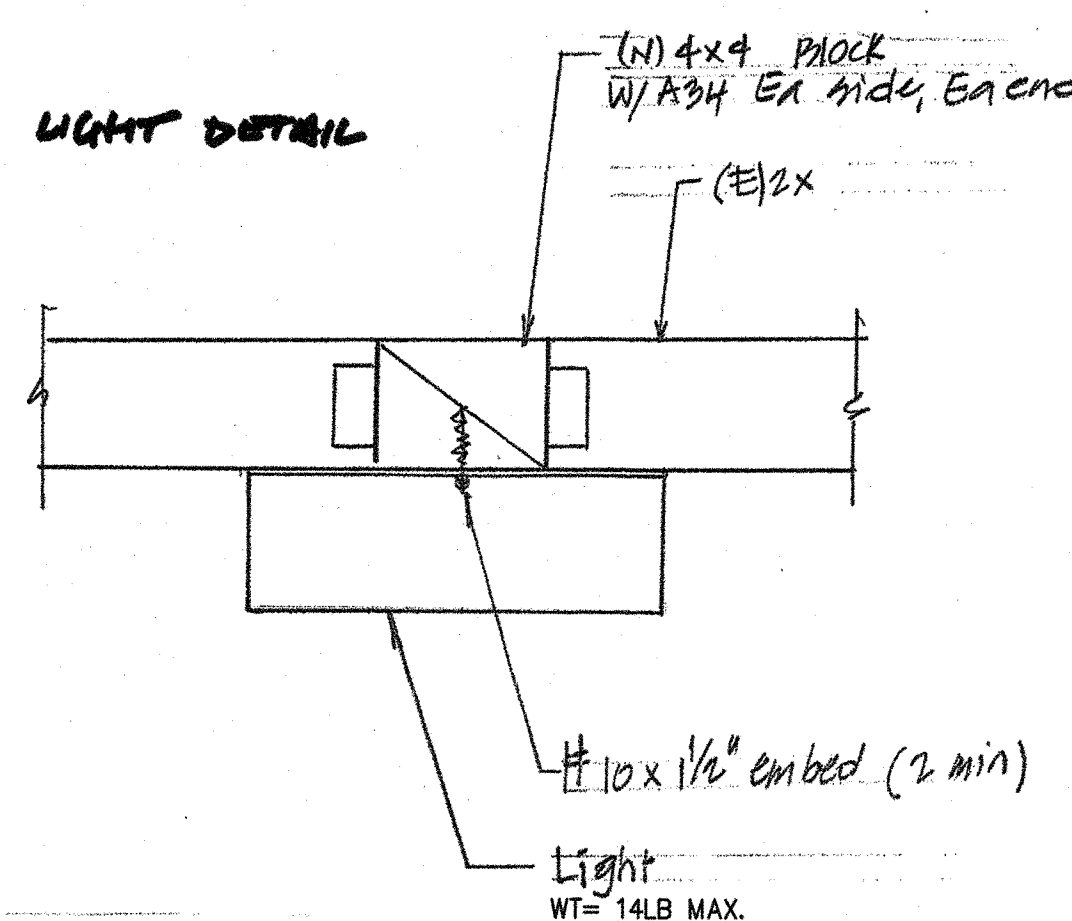
SUBMITTALS

- THE FABRICATOR SHALL PROVIDE THE OWNER'S TESTING LABORATORY MANUFACTURER'S MILL TEST REPORTS FOR THE MATERIALS TO BE USED ON THE JOB. THESE REPORTS ARE TO INCLUDE CHEMICAL AND PHYSICAL PROPERTIES OF THE REINFORCING FOR EACH HEAT NUMBER MANUFACTURED. ALL FABRICATED MATERIALS TO BE TAGGED WITH HEAT NUMBER.

- REINFORCING BARS - NEW BILLET STEEL, ASTM A615, GRADE 40 #4 AND SMALLER, GRADE 60 #5 AND LARGER EXCEPT STIRRUPS AND COLUMN TIES, WHICH SHALL BE GRADE 40.
- TIE WIRE: NO. 16 AWG OR HEAVIER, BLACK ANNEALED.

DOWELS, SPLICING AND OFFSETS

- BARS SHALL BE SPREAD THE MINIMUM DISTANCE SPECIFIED. STAGGER SPLICES 50% OF ADJACENT BARS. BEAM OR SLAB TOP BARS SHALL BE SPLICED MID-SPAN OF COLUMN SUPPORT AND BOTTOM BARS SPLICED AT COLUMN SUPPORTS. ALL SPLICES NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED BY ARCHITECT/ENGINEER. ALL SPLICES AND LAPS AT CORNERS AND INTERSECTIONS SHALL BE TIED WITH WIRE AT EACH END.



STRUCTURAL SPECIFICATIONS (CONTINUE)

ROUGH CARPENTRY

I. REFERENCE STANDARD

- CALIFORNIA BUILDING CODE 2016 EDITION, CHAPTER 23 (NOTED HEREIN AS CBC)
- "NATIONAL DESIGN SPECIFICATIONS", 2015 EDITION.

II. MATERIALS

A. FASTENERS:

- GENERAL REQUIREMENTS FOR FASTENERS:

- FASTENINGS SHALL BE OF ADEQUATE SIZE AND TYPES FOR THE PURPOSES FOR WHICH THEY ARE USED AND AS SHOWN ON THE DRAWINGS.
- INCLUDE WASHERS, PRE-DRILLING, ETC. REQUIRED FOR INSTALLATION.
- FOR EXTERIOR WORK, FASTENINGS SHALL BE HOT DIP GALVANIZED, NON-FERROUS, OR MADE RUST-RESISTANT BY APPROVED METHODS.

- NAILS AND NAILING NOT OTHERWISE SHOWN OR SPECIFIED:
 - FOR FRAMING, PLYWOOD AND GENERAL STRUCTURAL WOOD WORK.
 - ALL NAILS SHALL BE OF BRIGHT COMMON WIRE WITH FULL ROUND HEADS, AND SHALL BE OF SUFFICIENT LENGTH TO EXCEED REQUIRED PENETRATION INTO THE SUPPORTING MEMBER BY 1/8".
 - FRAMING NAILS SHALL BE HAND-DRIVEN AND SHALL MEET THE DIMENSIONAL REQUIREMENTS FOR COMMON WIRE NAILS OF THE CBC.
 - PLYWOOD NAILS: HAND-DRIVEN NAILS SHALL CONFORM TO REQUIREMENTS ABOVE.
 - PNEUMATICALLY (MACHINE) DRIVEN NAILS SHALL NOT BE USED WITHOUT A VALID ICC REPORT. CONTRACTOR SHALL PROVIDE FOR SUBMITTAL TO OWNER AND TO THE PI A CURRENT ICC REPORT, NAIL SAMPLE WITH NAIL DIMENSIONS, HEAD AND SHANK DIAMETER AND NAIL LENGTH, AND SPECIFICATIONS FOR THE NAILING DEVICE. NAILING DEVICE MUST BE ADJUSTABLE REGARDS THE DEPTH OF FOR EACH NORMAL FOR A HAND HAMMER, OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY. NAILS AND NAILING SHALL ALSO CONFORM TO 1 ABOVE.
 - BOLTS:
 - ASTM A-307, STANDARD SEMI-FINISHED MACHINE BOLTS AS SHOWN, WITH MALLEABLE IRON WASHERS OR STEEL PLATE WASHERS UNLESS OTHERWISE SHOWN.
 - POWDER-ACTUATED FASTENINGS: USE ONLY AS APPROVED BY THE ARCHITECT AND DSA.

- FRAMING HARDWARE: FABRICATED SHEET METAL TIMBER FRAMING MANUFACTURED FROM HOT-DIPPED GALVANIZED STEEL BY "SIMPSON COMPANY", SAN LEANDRO, CALIFORNIA (SIMPSON CO. PER CATALOGUE NO. C2015 ARE IDENTIFIED ON THE DRAWINGS). CONNECTORS SHALL BE AT LEAST 16 GAUGE MATERIAL. NAILS AND NAILING SHALL CONFORM TO THE MANUFACTURER'S INSTRUCTIONS WITH A NAIL PROVIDED FOR EACH PUNCHED HOLE. ALL HEAVY HARDWARE TO BE FABRICATED FROM A-36 STEEL PER DIVISION 5.

- ALL FASTENERS, NAILS AND BOLTS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED.
- STRUCTURAL LUMBER AND PLYWOOD
 - LUMBER AND PLYWOOD GRADED AND GRADE MARKED PER STANDARDS SPECIFIED.
 - LUMBER:
 - SIZE PER INDUSTRY STANDARDS FOR NOMINAL SIZES SHOWN; S4S.
 - MOISTURE CONTENT OF FRAMING: MAXIMUM 19% WHEN INSTALLED AND MAXIMUM 12% AT TIME OF CLOSE-IN.
 - STRUCTURAL FRAMING SHALL BE DOUGLAS FIR WITH GRADES AS NOTED BELOW UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. ALL GRADES PER WCLB STD GRADING RULES #17.

- ALL PERMANENTLY EXPOSED FRAMING SHALL BE SELECT STRUCTURAL GRADE WITH NO BOX HEART.
- EXCEPT PER 1 ABOVE, MINIMUM GRADES ARE:
 - ROOF 2X JOIST AND 2X RAFTERS D.F. NO. 2;
 - 4X AND LARGER D.F. NO. 1. BLOCKING D.F. NO. 1;
- 6X POSTS, DF SELECT STRUCTURAL WITH NO BOX HEART.
- MISCELLANEOUS FRAMING - D.F. NO. 2
- APPLICABLE WCLB PARAGRAPHS FOR FRAMING:
 - 2 X 4 TO 4 X 4 PAR. 124
 - 2 X 6 TO 4 X 16, STRUCTURAL JOISTS AND PLANKS PAR. 123
 - BEAMS (6 X), BEAMS & STRINGERS PAR. 130
 - POSTS (6 X) PAR. 131
- SPLITS AND CHECKS ARE TO BE LIMITED TO 1X THE DEPTH OF THE MEMBER.
- WARPED/TWISTED AND EXCESSIVELY CHECKED MEMBERS SHALL NOT BE USED REGARDLESS OF GRADE MARKS.

- PLYWOOD
 - ALL STRUCTURAL PLYWOOD SHALL BE GRADE MARKED FOR CONFORMANCE WITH CBC AND DEP'T OF COMMERCE, "PRODUCT STANDARD PS-1-07", AND SHALL BE FABRICATED WITH EXTERIOR GLUE. GRADES SHALL BE AS PER THE DRAWINGS.

- BUILDING PAPER
 - WATERPROOF, NON-STAINING, LONG FIBERED KRAFT TYPE PAPER. F.S. UU-B-790, TYPE I OR II.

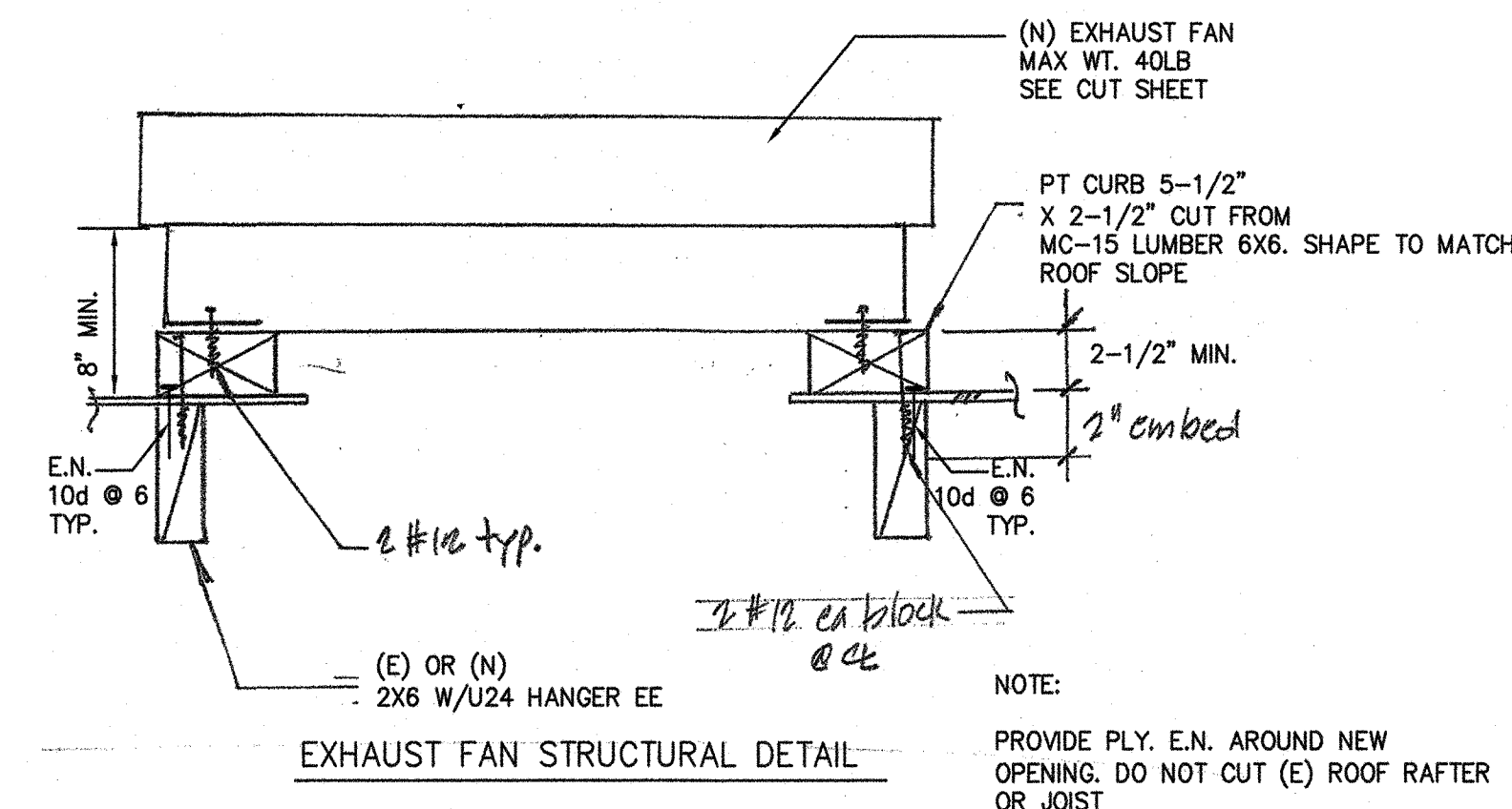
STRUCTURAL SPECIFICATIONS (CONTINUE)

ROUGH HARDWARE

- GENERAL: NAILS, SPIKES, SCREWS, FABRICATED SHEET METAL ANCHORS, TIES, HANGERS AND ANY OTHER MATERIALS SHOWN OR REQUIRED FOR THE ATTACHMENT OF WOOD TO CONCRETE, WOOD TO STEEL, AND WOOD TO WOOD SHALL BE FURNISHED AND INSTALLED AS PART OF THIS WORK.
- FRAMING NAILING: ALL FRAMING NAILING SHALL CONFORM TO MINIMUM REQUIREMENTS OF THE CBC, AND WITH DETAILS SHOWN ON THE DRAWINGS.
- BOLTS, LAG SCREWS AND WASHERS
 - BOLTS IN WOOD SHALL BE MACHINE BOLTS CONFORMING TO ASTM A-307, UNLESS OTHERWISE NOTED, AND SHALL BE OF SUCH LENGTH THAT NOT MORE THAN 1/2" OF THREAD WILL BEAR AGAINST WOOD. BOLT HOLES IN WOOD SHALL BE 1/32" OVERSIZED. BOLT HOLES FOR SILL PLATE MAY BE 1/16" MAXIMUM OVERSIZE. HOLES IN STEEL SHALL BE 1/16" OVERSIZED.
 - PROVIDE SQUARE PLATE OR MALLEABLE IRON WASHER AND NUT AT HEAD WHERE BEARING IS AGAINST WOOD; CUT WASHER UNDER NUT WHERE IT IS AGAINST STEEL. WASHER WILL NOT BE REQUIRED UNDER HEAD OF CARRIAGE BOLTS. PROVIDE MALLEABLE IRON WASHERS WHERE EXPOSED OR NOTED.
 - ALL NUTS SHALL BE TIGHTENED WHEN PLACED AND RETIGHTENED AT COMPLETION OF THE JOB OR IMMEDIATELY BEFORE CLOSING.
 - LAG SCREWS SHALL BE SCREWED, NOT DRIVEN, INTO PLACE. DRILL HOLES SAME DIAMETER AND DEPTH AS SHANK, THEN DRILL HOLES SAME DIAMETER AS AT BASE OF THREAD (60% TO 75% SHANK DIAMETER) FOR THE THREADED PORTION.

ANCHOR AND TIES

PROVIDE AND INSTALL ALL ANCHORS, BOLTS, TIES, ETC.. REQUIRED FOR THE TEMPORARY OR PERMANENT CARPENTRY WORK ANCHORS AND BOLTS SHALL BE ACCURATELY LOCATED WERE EMBEDDED IN CONCRETE AND SHALL BE SECURED IN POSITION BEFORE PLACING CONCRETE.



EXPANSION ANCHORAGE IN CONCRETE

A. WEDGE ANCHORS- KWIKBOLT KB-TZ STEEL (No: ER 1917) $f_c=3000$ psi CRACKED			
BOLT SIZE	MINIMUM EMBEDMENT	TORQUE (FT-LBS) TEST	
1/2"	3 1/2"	40	
3/8"	3"	30	
5/8"	4"	60	
3/4"	4"	110	

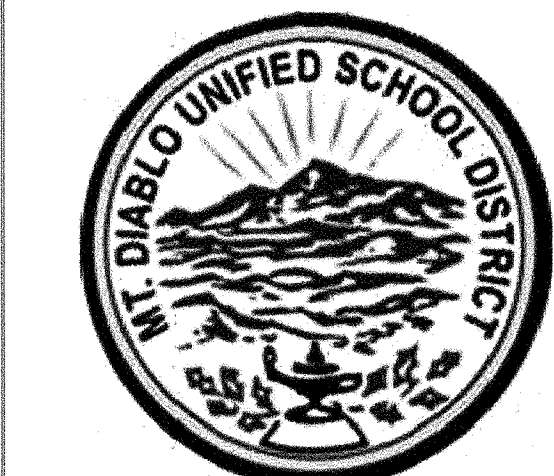
EXPANSION ANCHORAGE NOTES:

- INSTALL DRILLED EXPANSION ANCHORS PER MANUFACTURER'S INSTRUCTIONS.
- WHEN INSTALLING DRILLED-IN ANCHORS IN EXISTING REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN REINFORCEMENT AND THE DRILLED-IN ANCHOR.
- ALL TEST SHALL BE DONE IN THE PRESENCE OF THE IOR

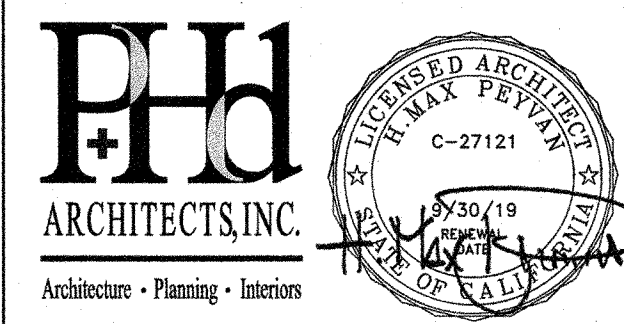
TESTING NOTES CONTINUE

- APPLY PROOF TEST LOADS TO WEDGE & SLEEVE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT & INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH & APPLY LOAD.
- FOR SLEEVE INTERNALLY THREADED CATEGORIES, VERIFY THAT THE ANCHOR IS NOT PREVENTED FROM WITHDRAWING BY A BASEPLATE OR OTHER FIXTURES. IF RESTRAINT IS FOUND, LOOSEN AND SHIM OR REMOVE FIXTURE(S) PRIOR TO TESTING.
- TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
- THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS: HYDRAULIC RAM METHOD: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR WEDGE AND SLEEVE TYPE ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES BE REACHED WITHIN THE FOLLOWING LIMITS: WEDGE OR SLEEVE TYPE: ONE-HALF (1/2) TURN OF THE NUT. ONE-QUARTER (1/4) TURN OF THE NUT FOR THE 3/8 IN. SLEEVE ANCHOR ONLY.
- TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS.
- TEST ALL ANCHORS
- REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING THE FIXTURE(S).

HOLES & NOTCHES IN WOOD STUDS, JOISTS, BEAMS & PLATES



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STRUCTURAL ENGINEER
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IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

FILE # 7-29
01-117193
AC FLS SS BDF
DATE 3/14/18

PROJECT TITLE:
VOLUNTARY ACCESSIBLE
UPGRADE TO STUDENTS'
RESTROOMS

KEY PLANS:

REVISIONS:

date	description	symbol
1/18/2018	DSA PROJECT SUBMITTAL	
3/14/2018	DSA BACKCHECK	
3/16/2018	FINAL BID SET	

PHD ARCHITECTS JOB #
17-215

SCALE:
AS NOTED

DATE:
3/14/18

SHEET NAME & NUMBER:

STRUCTURAL
SPECIFICATIONS

SSP