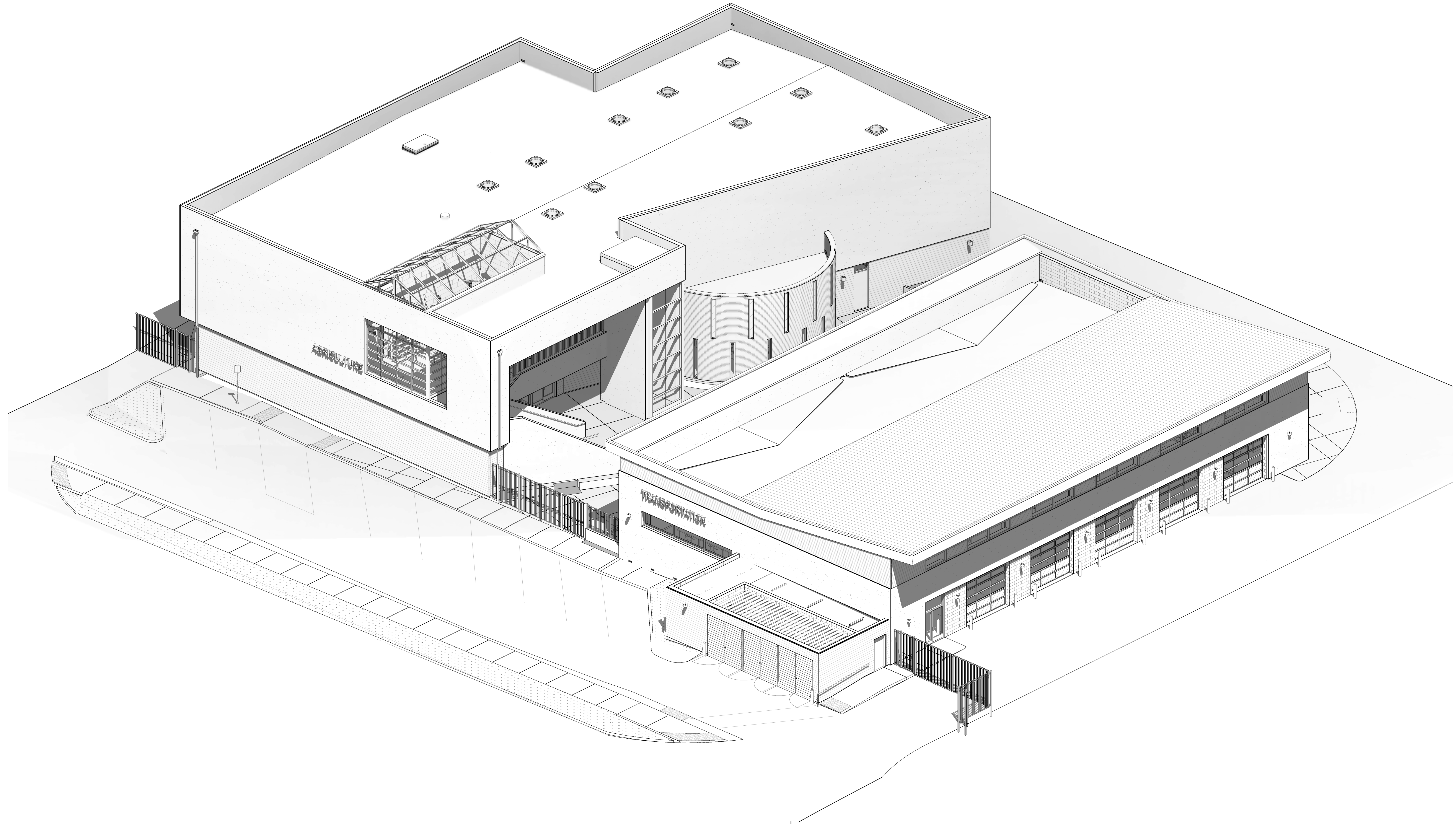


FILLMORE HIGH SCHOOL - NEW CTE BUILDINGS FILLMORE UNIFIED SCHOOL DISTRICT

555 Central Ave. Fillmore, CA. 93015

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119532 INC.
REVIEWED FOR
SS FLS ACS
DATE: 6/24/19



WD WESTGROUP
DESIGNS

ARCHITECTURE | PLANNING | INTERIOR DESIGN
19520 Jamboree Rd. | Suite 100 | Irvine California 92612
949.250.0880 | fax 949.250.0882 | westgroupdesigns.com

SHEET TITLE:
COVER SHEET

SHEET NUMBER:
CS-0.1

ISSUANCE: **DSA SUBMITTAL**

WD PROJ. # 18413 DSA A# 03-119532

© WESTGROUP DESIGNS, INC.

SYMBOL LEGEND:

SYMBOL LEGEND: SHEET NUMBERING SYSTEM, ROOM NAME and NUMBERING REFERENCE, KEYNOTE REFERENCE, SHEET NOTE REFERENCE, DEMOLITION NOTE REFERENCE, DETAIL REFERENCE, BUILDING SECTION REFERENCE, WALL SECTION REFERENCE, STRUCTURAL GRID IDENTIFIER, CENTERLINE, WORK POINT CONTROL, REVISION, RADIUS, EXTERIOR ELEVATION REFERENCE, INTERIOR ELEVATION REFERENCE

ABBREVIATIONS:

Table of abbreviations for various materials and construction terms, including Acoustic, Aluminum, Architectural, and various types of concrete and steel.

GENERAL NOTES:

- 1. SEE INDIVIDUAL SHEETS FOR LEGEND DESCRIPTIONS AND SHEET NOTES.
2. REFERENCE TO MAKES, BRANDS, AND MODEL IS TO ESTABLISH TYPE AND QUALITY DESIRED.
3. ALL MATERIALS, METHODS OF INSTALLATION AND FINISHING OF CONSTRUCTION SYSTEMS...

ENVELOPE MANDATORY MEASURES

Table with 2 columns: Symbol and Description. Describes mandatory measures for insulation, exterior joints, fenestration, and doors.

ASBESTOS STATEMENT

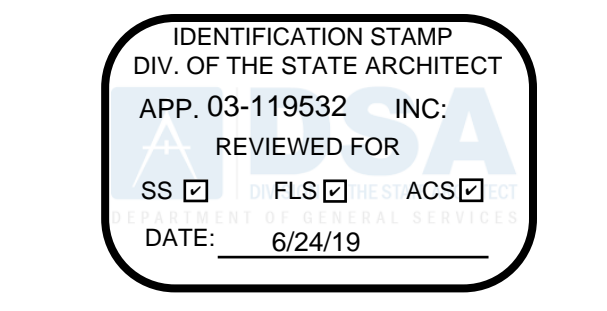
THE CONTRACTOR SHALL CERTIFY PURSUANT TO 40 CODE OF FEDERAL REGULATIONS SEC. 763.99(a)(7), THAT NO ASBESTOS-CONTAINING MATERIAL WAS SPECIFIED AS A BUILDING MATERIAL...

SHEET INDEX

SHEET INDEX table listing sheet numbers and names, categorized by COVER SHEET, GENERAL, CIVIL, LANDSCAPE, ARCHITECTURAL, and PLUMBING.

SHEET INDEX

SHEET INDEX table listing sheet numbers and names, categorized by MECHANICAL and FIRE PROTECTION.



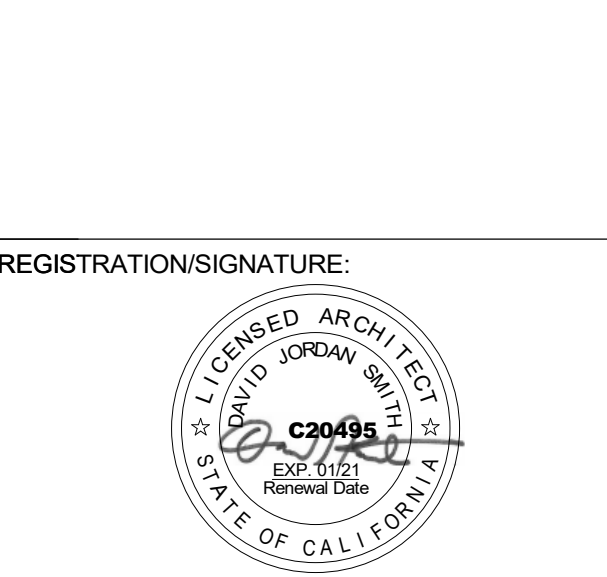
19520 Jamboree Road | Suite 100 Irvine | California | 92612 949.250.0880 | FAX 949.250.0882 www.westgroupdesigns.com

FILLMORE HIGH SCHOOL - NEW CTE BUILDINGS FILLMORE UNIFIED SCHOOL DISTRICT 555 Central Ave. Fillmore, CA. 93015

ISSUED FOR: SCHEMATIC DESIGN, DESIGN DEVELOPMENT, CONSTRUCTION DOCUMENTS, 50% CD, 90% CD, DSA SUBMITTAL, DSA BACKCHECK

REVISIONS table with columns for revision number, description, and date.

REVISIONS table with columns for revision number, description, and date.



GENERAL INFORMATION table with fields for SHEET TITLE (G0-0.1), SHEET NUMBER, and project details.

PROJECT DESCRIPTION:

- 1. NEW ONE-STORY AUTO SHOP TECHNOLOGY BUILDING W/ (6) SERVICE BAYS, ENGINE LAB/CLASSROOM & RESTROOMS.
2. NEW TWO-STORY AGRICULTURAL SCIENCE/MECHANICS BUILDING W/ (3) CLASSROOMS & INCLUDE AFS SYSTEM & FULLY AUTOMATIC FIRE ALARM W/VOICE EVACS

DEFERRED SUBMITTALS:

- 1. ELEVATOR GUIDE RAILS AND SUPPORT BRACKETS
2. WINDOW WALL SYSTEMS/STOFEFRONT WITH SPANS GREATER THAT 10 FEET
3. SLOPED GLAZING
4. TRANSLUCENT POLYCARBONATE WALL SYSTEMS

PROJECT DIRECTORY:

Table listing project details for Architect (Westgroup Designs), Owner (Fillmore Unified School District), and Consultants (AG Design Inc., PSOMAS, KNA Structural Engineers, RLA Landscape Architects).

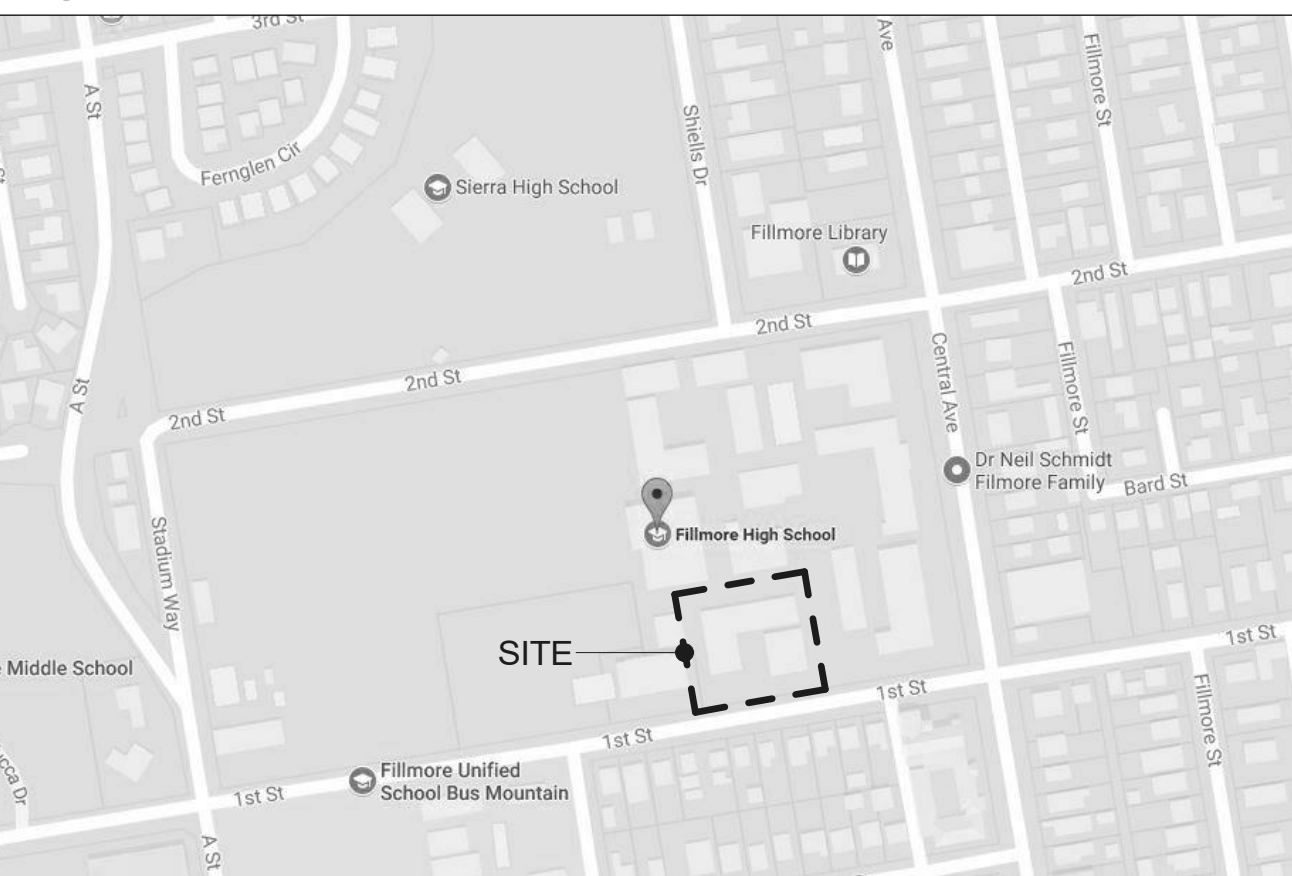
APPLICABLE CODES:

- CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS INCLUDING THE FOLLOWING: CALIFORNIA BUILDING CODE, CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA ELECTRICAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS

APPLICABLE STANDARDS:

- NFPA 13 AUTOMATIC SPRINKLER SYSTEMS 2016 EDITION
NFPA 14 STANDPIPE SYSTEMS 2013 EDITION
NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS 2013 EDITION
NFPA 17a WET CHEMICAL SYSTEMS 2013 EDITION

VICINITY MAP:



Project Information:

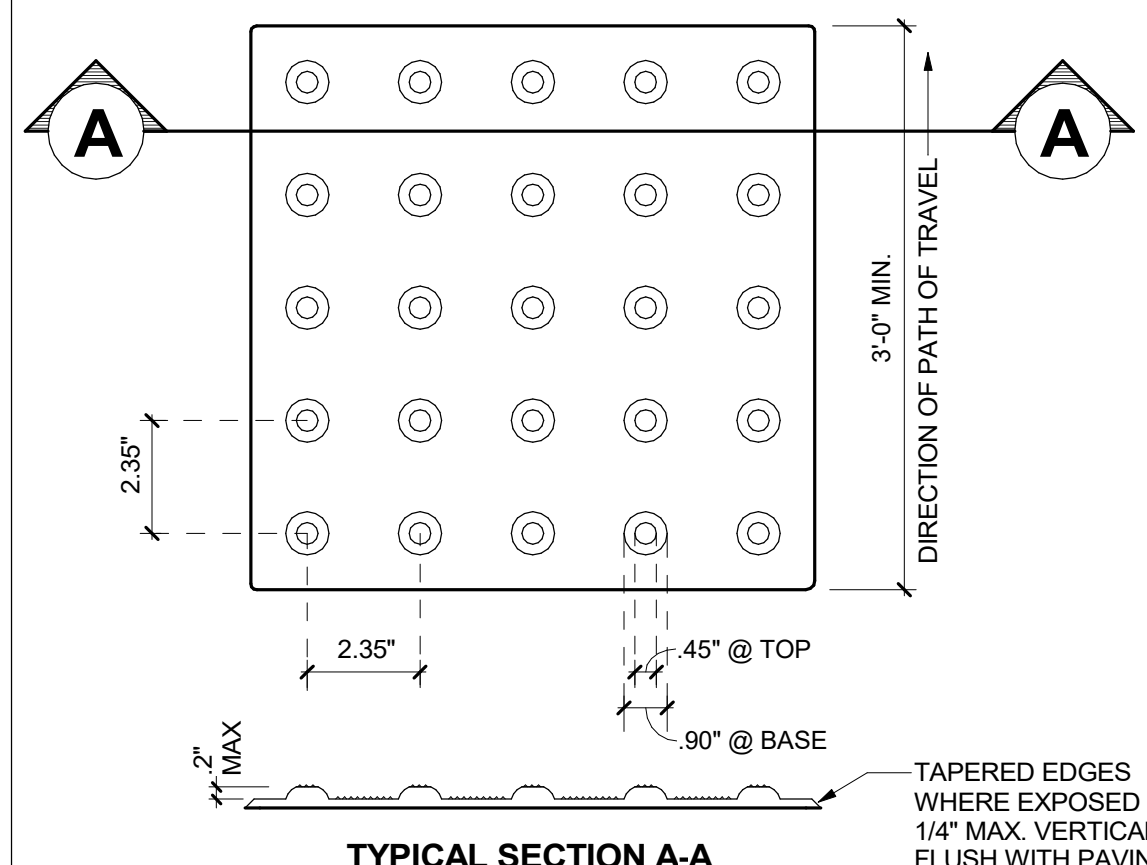
Project Information table with fields for TRANSPORTATION TECH (BLDG), TYPE OF CONSTRUCTION (VB), OCCUPANCY TYPE (E), and PROJECT SF (8,796 SF).

USE OF CONSTRUCTION DOCUMENTS PREPARED BY OTHER PROFESSIONALS

Application No. 03 - 119532 File No. 56-H1 All Civil, Structural, Mechanical, Electrical, Plumbing, Telecom, Fire Alarm, Fire Sprinklers and Pool drawings as listed in the sheet index above have been prepared by other design professionals or consultants who are licensed and / or authorized to prepare such drawings in this State.

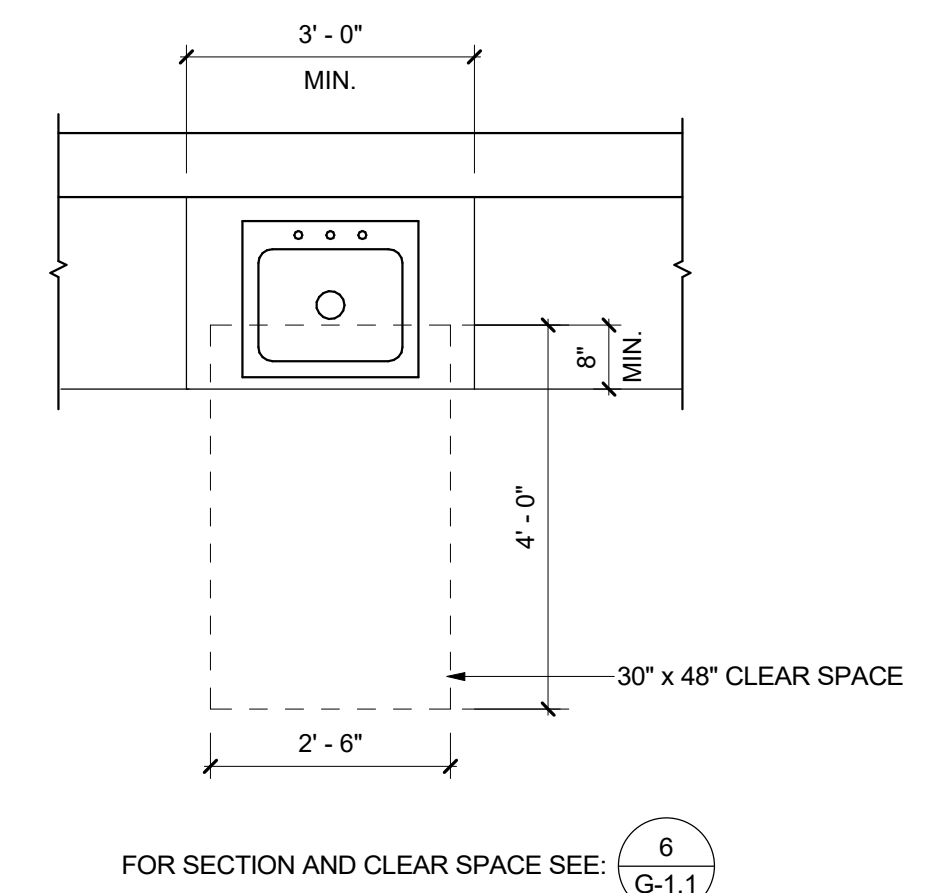
Professional seal and signature area for David Jordan Smith, Structural Engineers, License Number C-20495, dated 01.31.21.

DSA SUBMITTAL



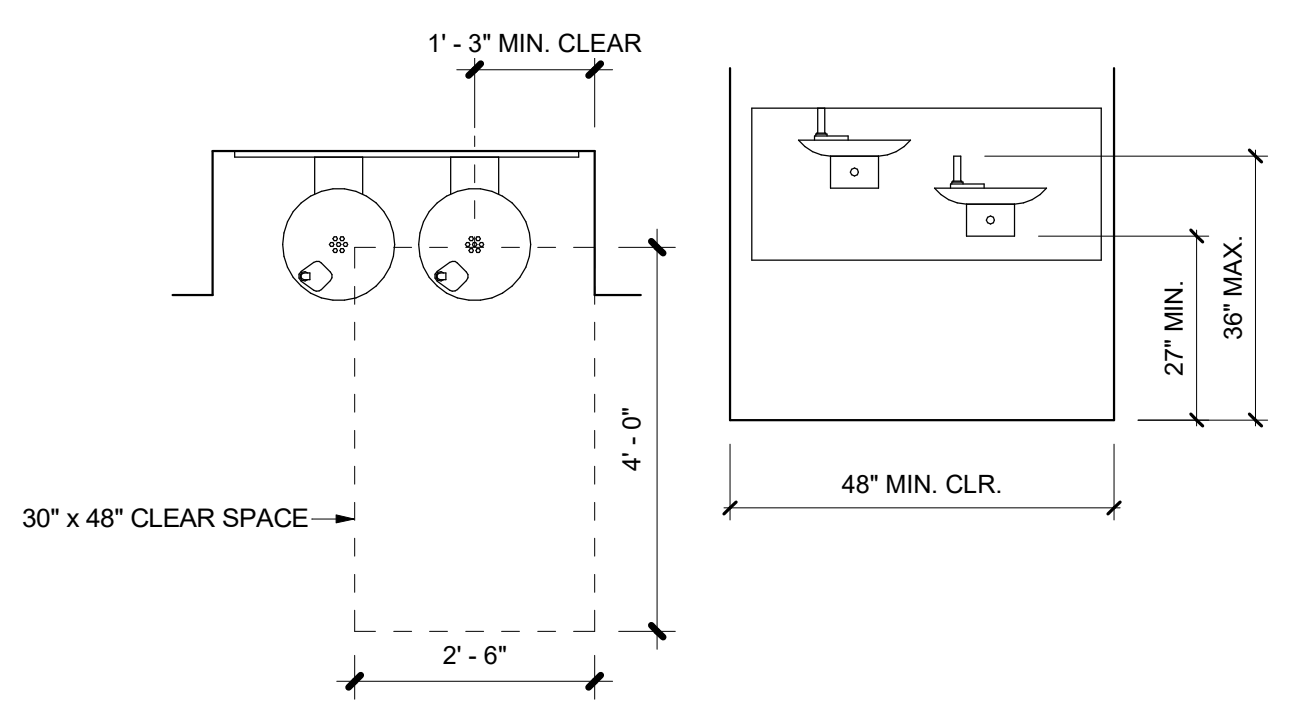
Detectable warning strips shall be located at all curb ramps and extend for minimum 36\"/>

TRUNCATED DOMES 16
3\"/>

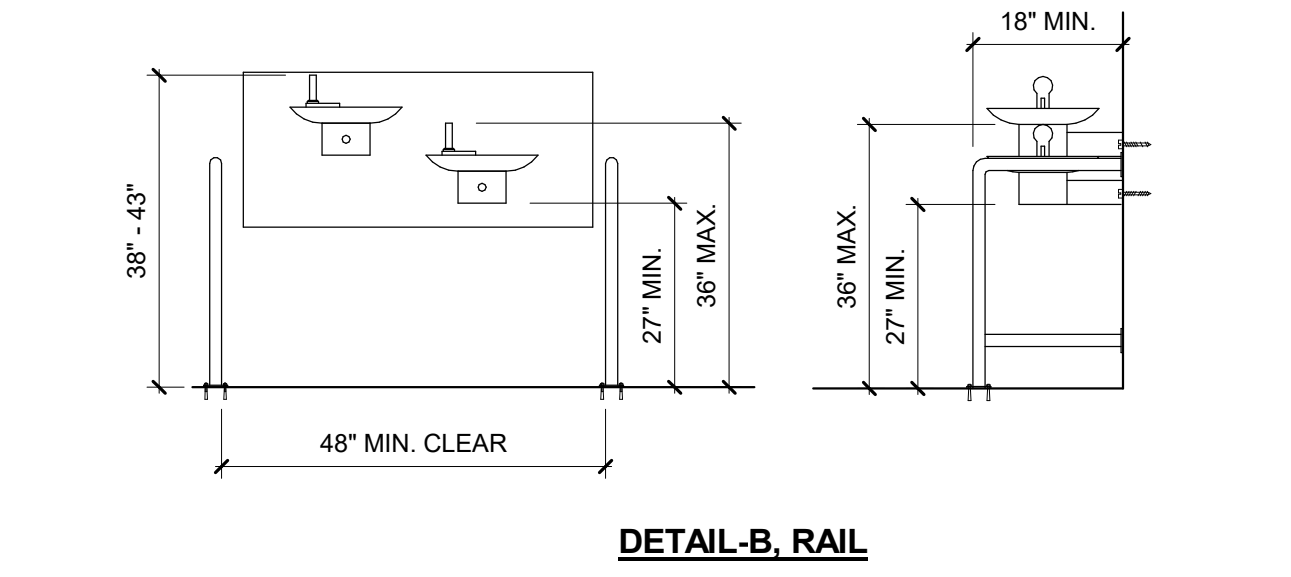


DRINKING FOUNTAINS

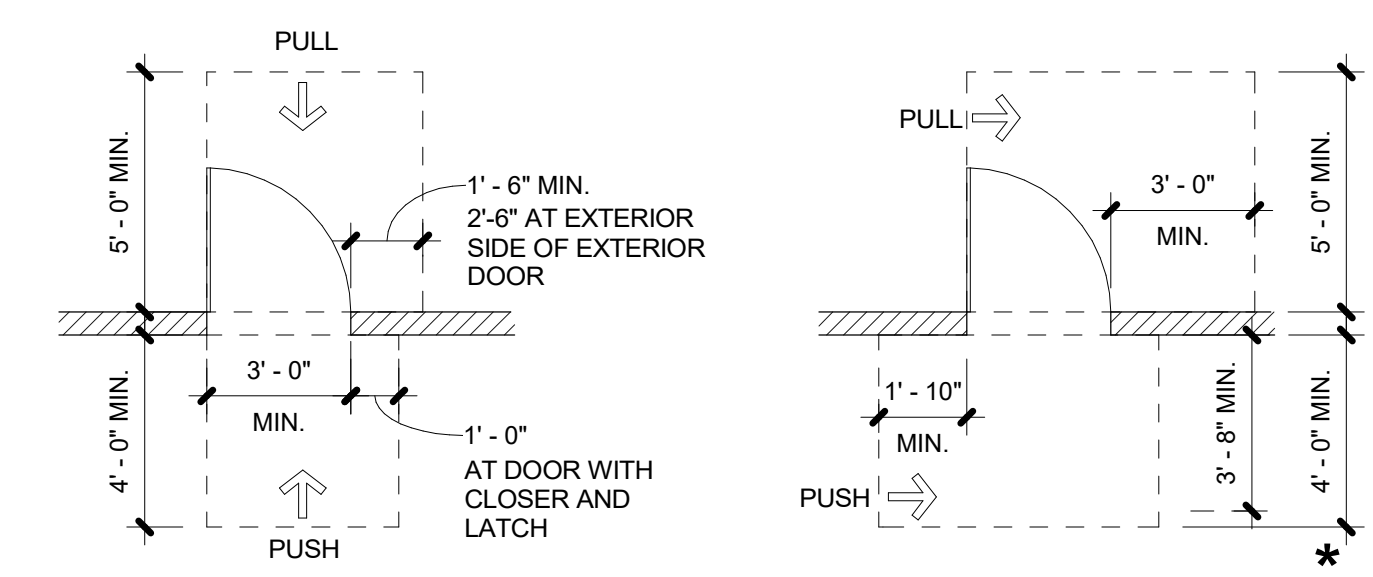
- THE BUBBLER OUTLET ORIFICE SHALL BE LOCATED WITHIN 5\"/>
- THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4\"/>
- DRINKING FOUNTAIN MUST BE 18\"/>
- KNEE CLEARANCE MUST BE 27\"/>
- TOE CLEARANCE MUST BE 5\"/>



DETAIL-A. ALCOVE

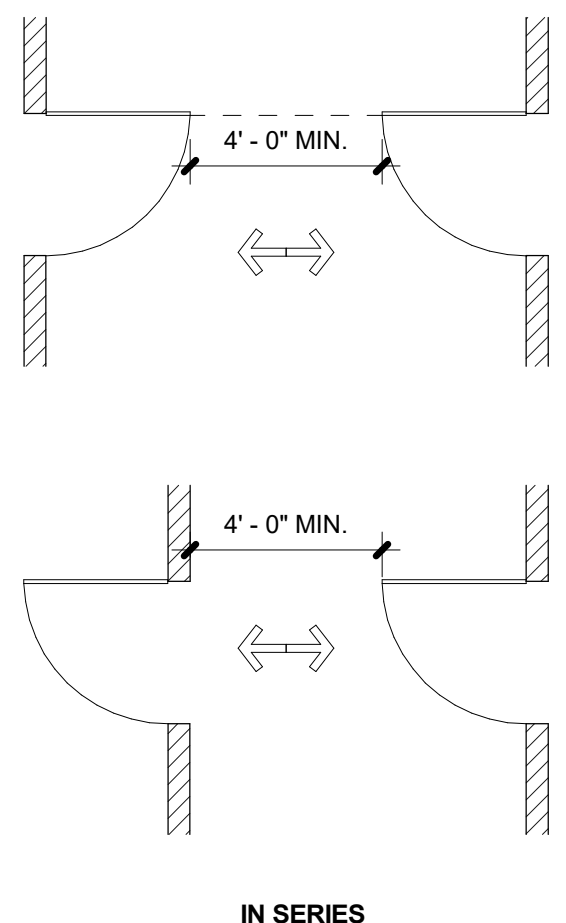


DETAIL-B. RAIL

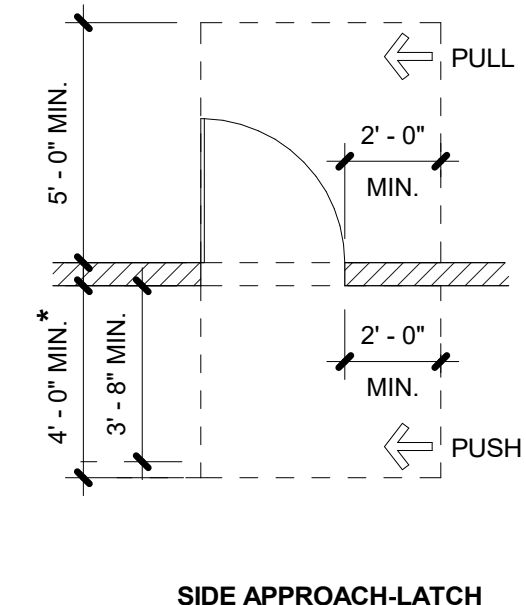


FRONT APPROACH

SIDE APPROACH-HINGE

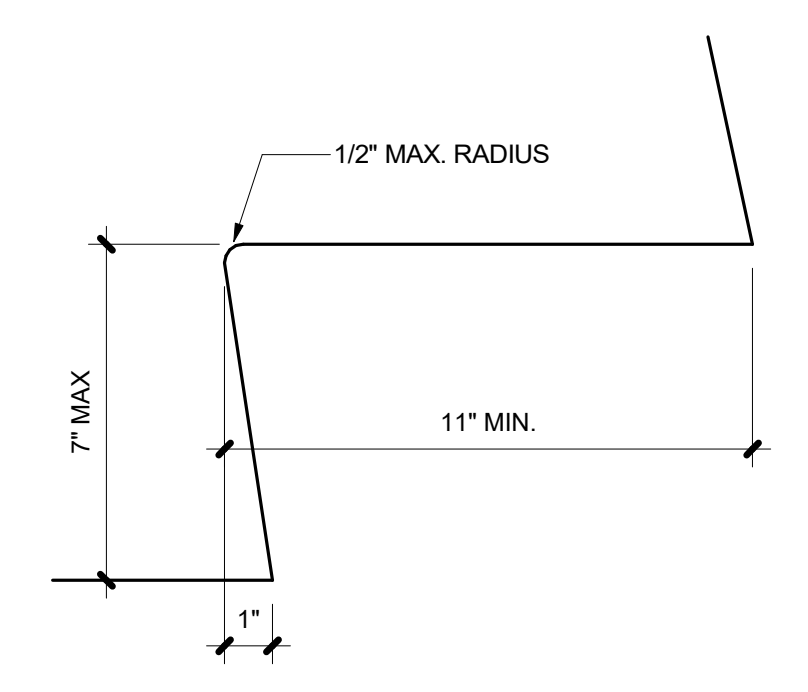


IN SERIES

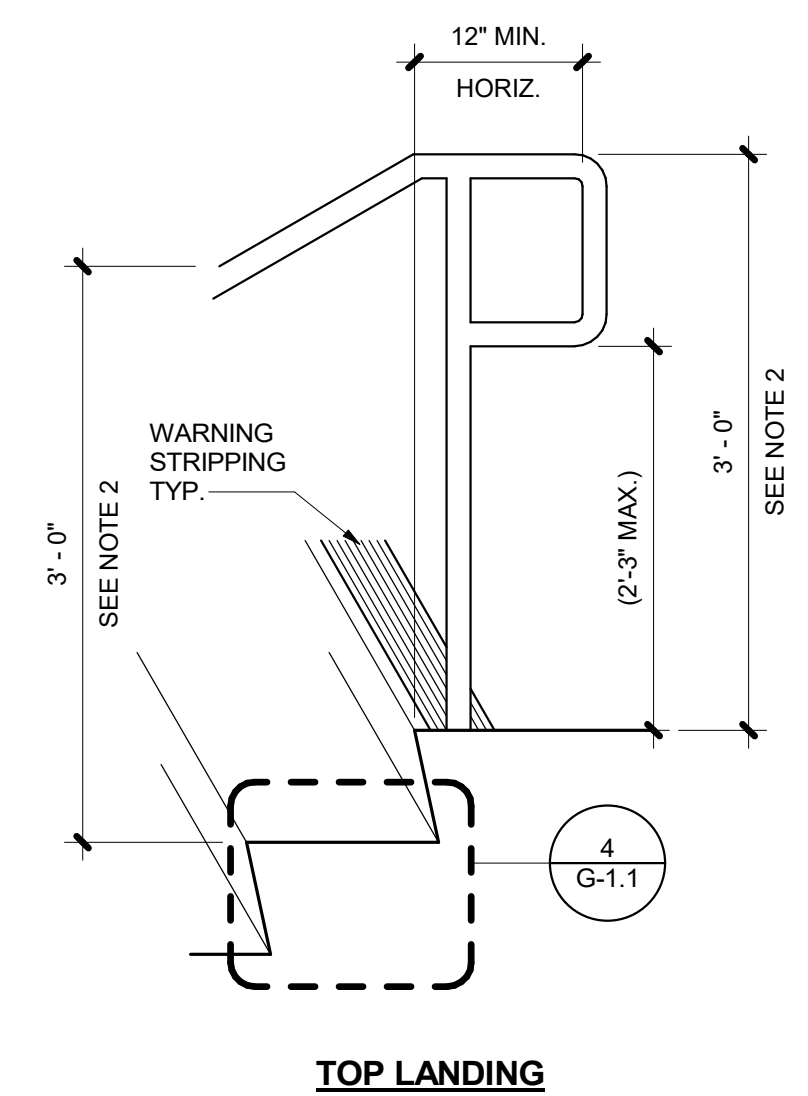


SIDE APPROACH-LATCH

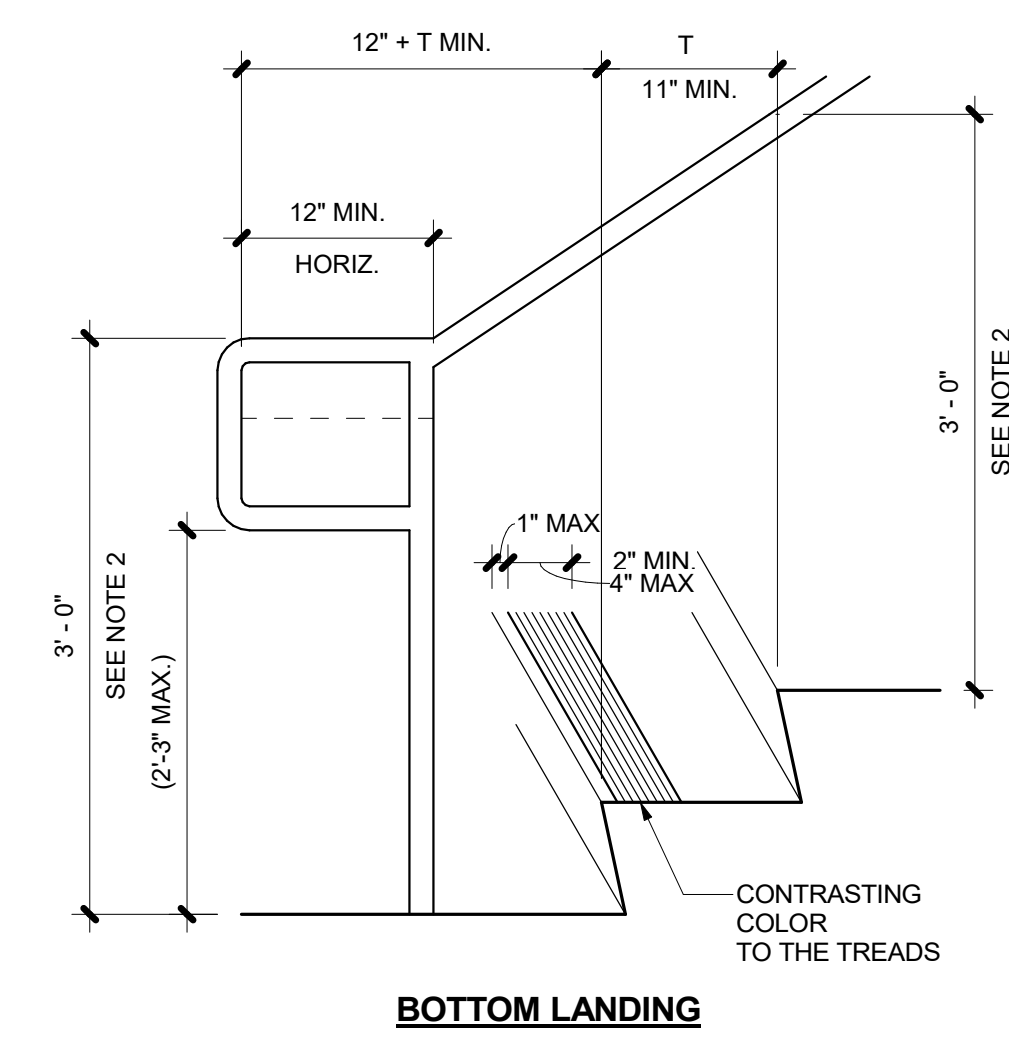
*AT DOOR WITH LATCH AND CLOSER



STAIR TREAD 4
3\"/>



TOP LANDING



BOTTOM LANDING

- NOTES:**
- ACCESSIBLE REQUIREMENTS ONLY. SEE STAIR DRAWING SHEETS FOR ACTUAL HANDRAIL, TREAD, AND RISER DESIGN.
 - DESIGN REQUIREMENT 3\"/>

GENERAL NOTES

- HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
- FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. LEVER-OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET IS WITHIN THE ABOVE MENTIONED FORCE REQUIREMENTS.
- GRAB BAR SHALL BE 1 1/4\"/>
- GRAB BAR SHALL BE SMOOTH. EDGES SHALL HAVE RADIUS OF 1/8\"/>
- THE STRUCTURAL STRENGTH OF GRAB BARS, TUB AND SHOWER SEATS, FASTENERS, AND MOUNTING DEVICES SHALL MEET THE FOLLOWING SPECIFICATIONS:
 - BENDING STRESS IN GRAB BAR OR SEAT INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF A 250-LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.
 - SHEAR STRESS INDUCED IN A GRAB BAR OR SEAT BY THE APPLICATION OF A 250-LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT, AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED. THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL NOT EXCEED THE ALLOWABLE SHEAR STRESS.
 - TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF A 250-LB POINT LOAD, PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF A 250-LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND SUPPORTING STRUCTURE.
 - GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
- SURFACE OF WALL ADJACENT TO GRAB BAR SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS.
- OPERABLE PARTS (INCLUDING COIN SLOTS) OF ALL FIXTURES OR ACCESSORIES SHALL BE LOCATED A MAXIMUM OF 40\"/>

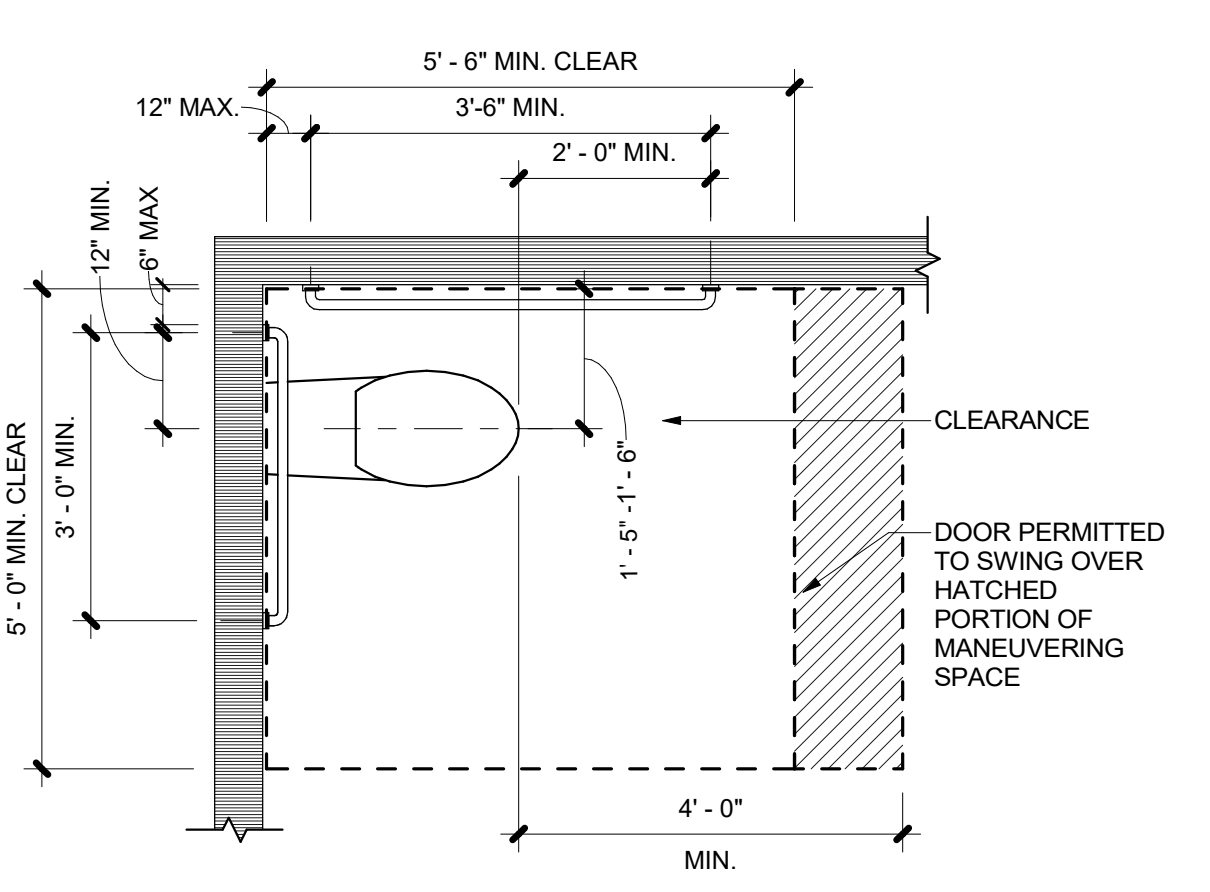
TOILET COMPARTMENTS

- COMPARTMENT DOOR TO ACCESSIBLE FIXTURE MUST COMPLY WITH DOOR MANEUVERING REQUIREMENTS, AND IN NO CASE SHALL THE SPACE IMMEDIATELY OUTSIDE OF THE WATER CLOSET COMPARTMENT DOOR BE LESS THAN 48\"/>
- STALL DOOR MUST BE SELF-CLOSING, AND HAVE U-PULLS ON BOTH SIDES. IF PROVIDED, THE LOCKING MECHANISM MUST BE ACCESSIBLE, NOT REQUIRING GRASPING, PINCHING OR TURNING OF THE WRIST.
- DOORS, OTHER THAN THE DOOR TO THE ACCESSIBLE COMPARTMENT, CANNOT SWING INTO THE WHEELCHAIR TURNING SPACE BY MORE THAN 12\"/>
- THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17\"/>
- FLUSH CONTROLS SHALL BE OPERABLE BY AN OSCILLATING HANDLE WITH A MAXIMUM OPERATING FORCE OF 5 LBS. OR BY A REMOTE LOW VOLTAGE BUTTON. THE HANDLE OR BUTTON SHALL BE LOCATED SO THEY ARE OPERABLE WITHOUT REQUIRING EXCESSIVE BODY MOVEMENT.
- FLUSH VALVE SHALL BE ON WIDE SIDE OF TOILET AREA. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING.

ELECTRICAL

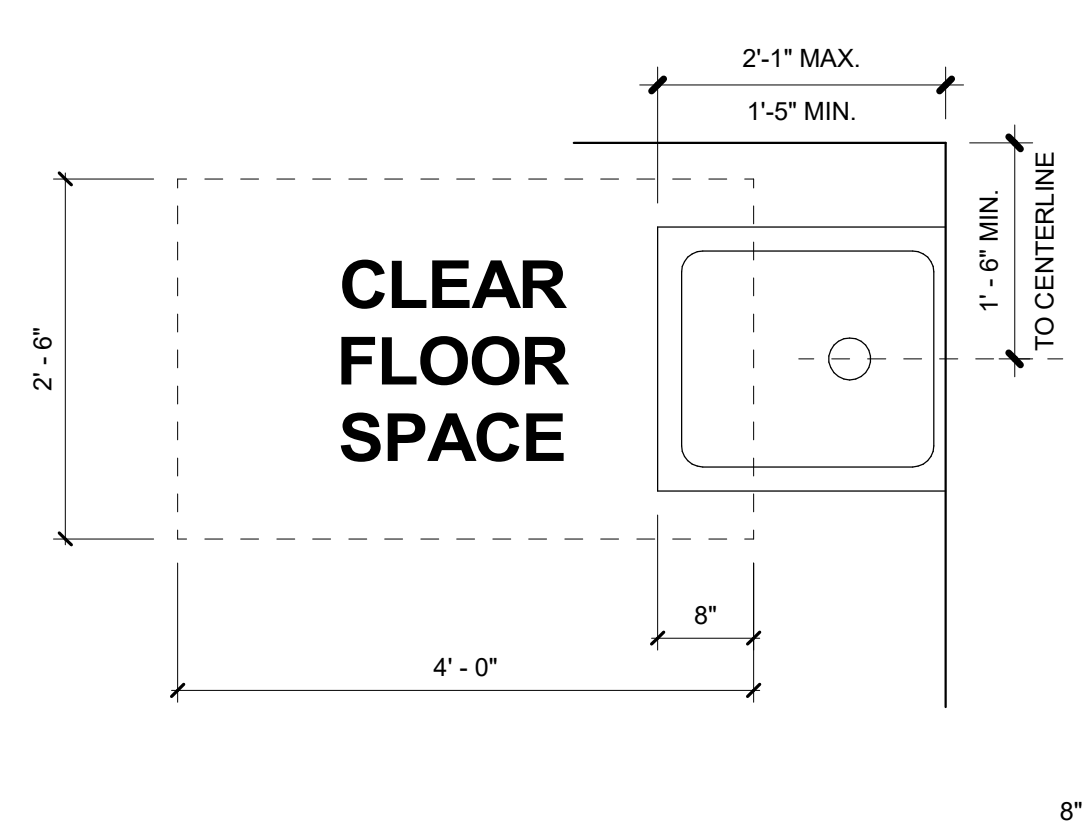
- CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL COMPLY WITH THE FOLLOWING:
 - THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX.
 - UNOBSTRUCTED FORWARD OR SIDE REACH SHALL BE 48\"/>
 - OBSTRUCTED FORWARD REACH DEPTH OF 20\"/>
 - OBSTRUCTED SIDE REACH DEPTH OF 10\"/>

ADA SINK CABINET 15
1 1/2\"/>



CLEARANCES AT WATER CLOSET 14
1 1/2\"/>

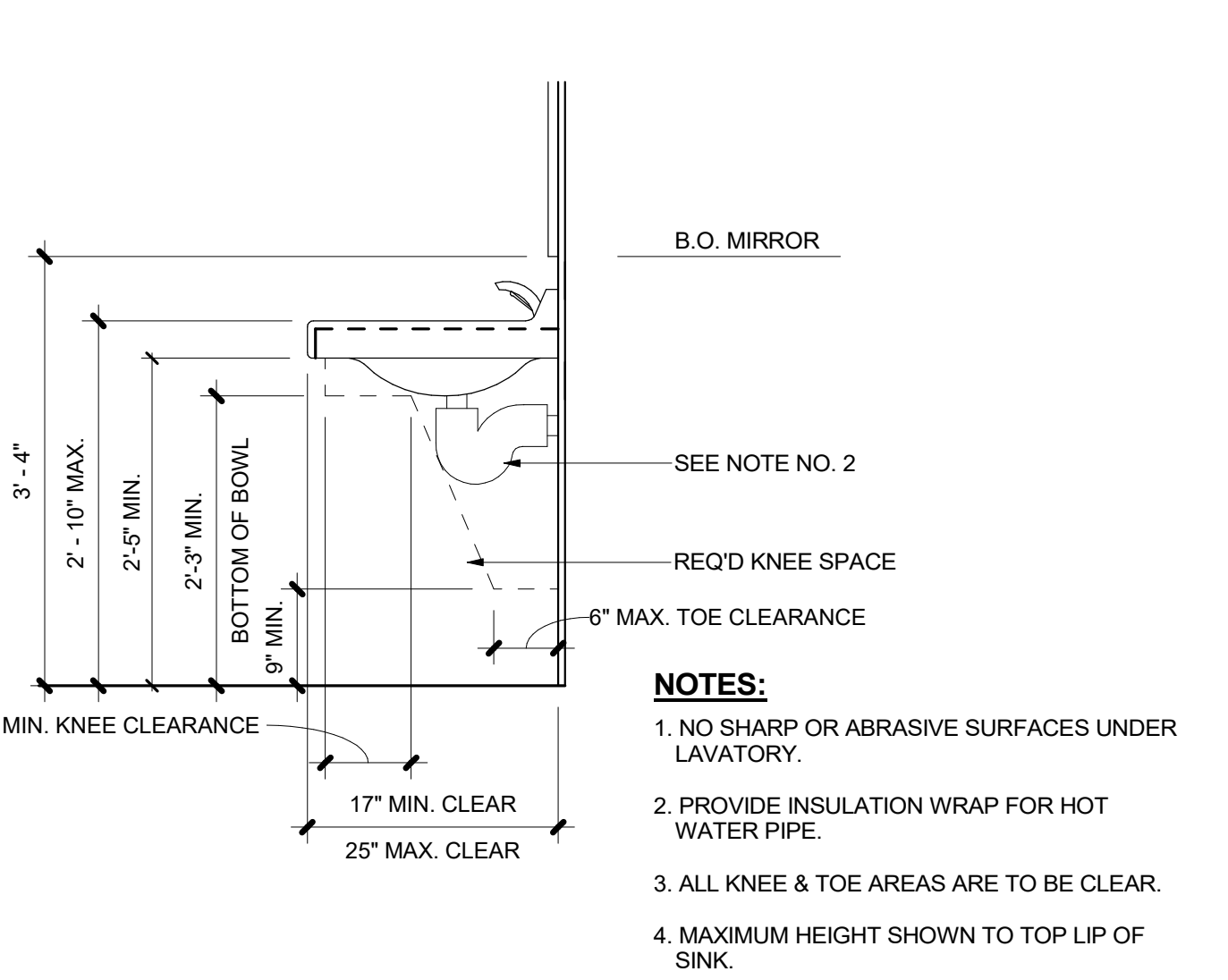
ADA FOUNTAIN 11
1 1/2\"/>



CLEAR FLOOR SPACE

DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE REQUIRED FOR ANY FIXTURE. SEE ENLARGED RESTROOM PLANS FOR FIXTURES REQUIRING THE 30 X 48 FLOOR SPACE.

ADA DOORS AND GATES 7
1/4\"/>

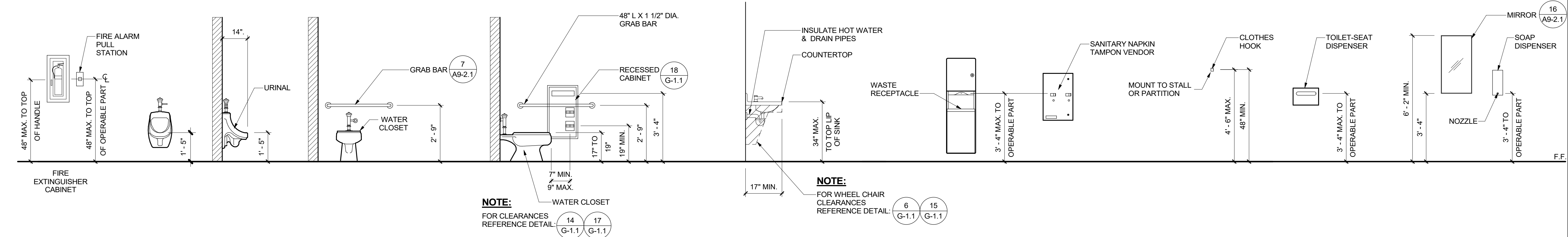
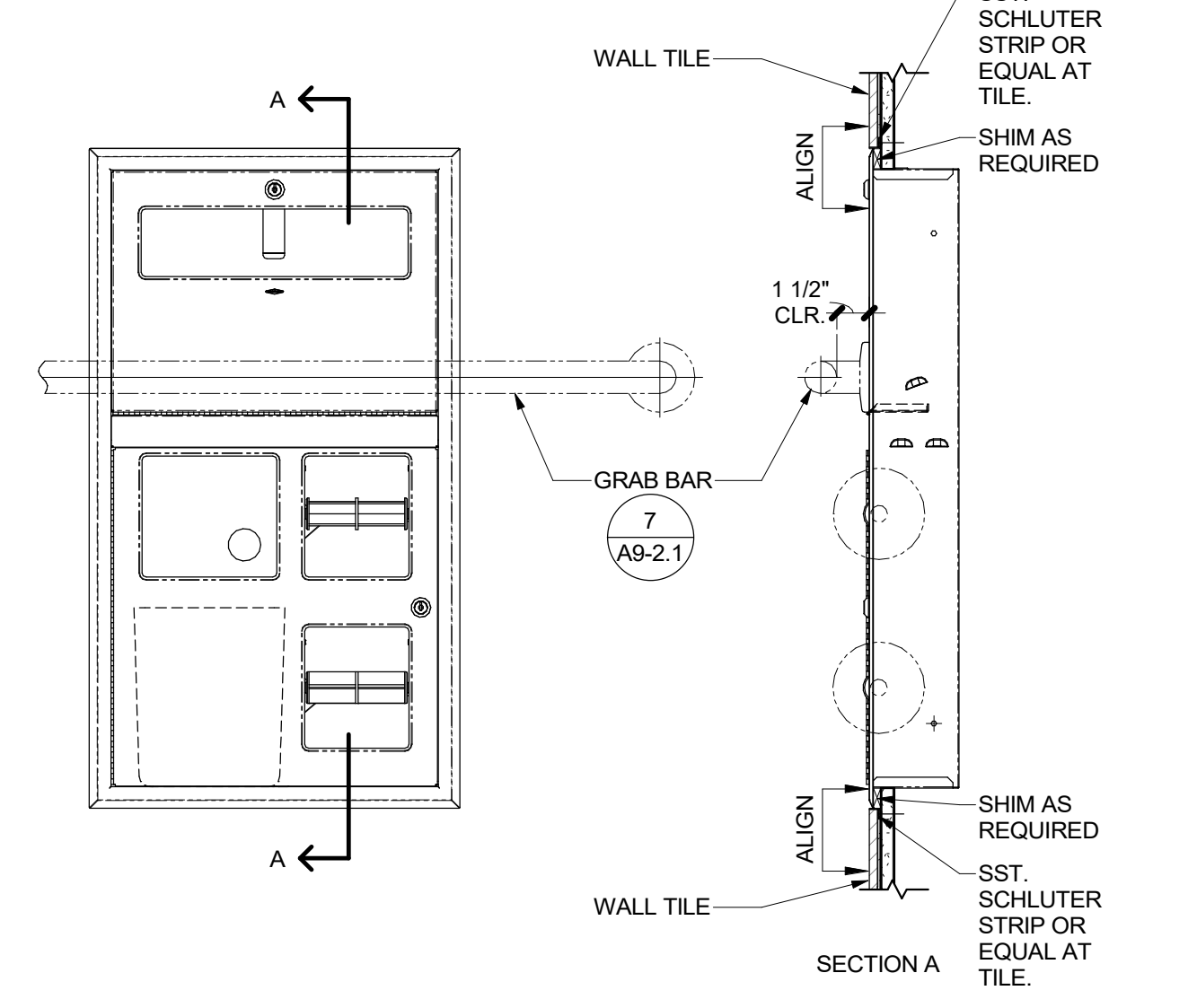


CLEAR FLOOR SPACE AT ADA FIXTURES 6
3/4\"/>

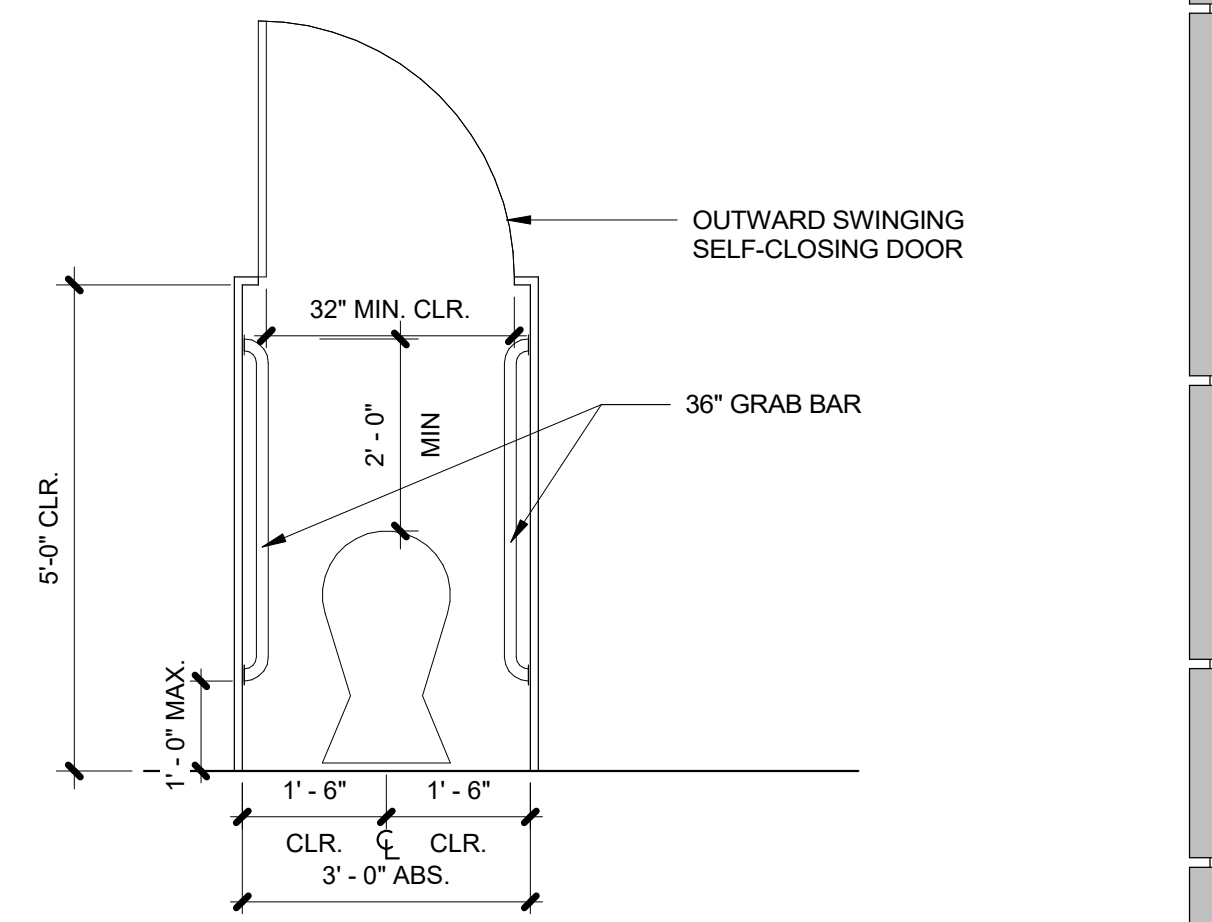
- NOTES:**
- NO SHARP OR ABRASIVE SURFACES UNDER LAVATORY.
 - PROVIDE INSULATION WRAP FOR HOT WATER PIPE.
 - ALL KNEE & TOE AREAS ARE TO BE CLEAR.
 - MAXIMUM HEIGHT SHOWN TO TOP LIP OF SINK.

STAIR REQUIREMENTS 2
1\"/>

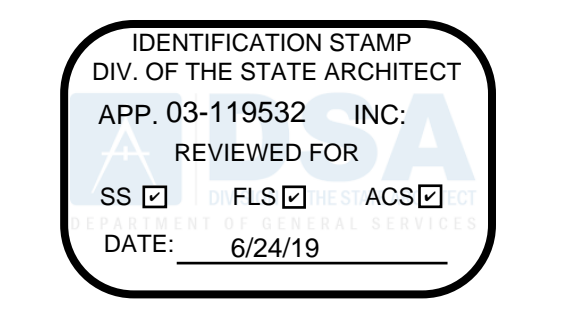
RECESSED SEAT-COVER DISPENSER 18
1 1/2\"/>



TYPICAL MOUNTING HEIGHTS 1
3/8\"/>



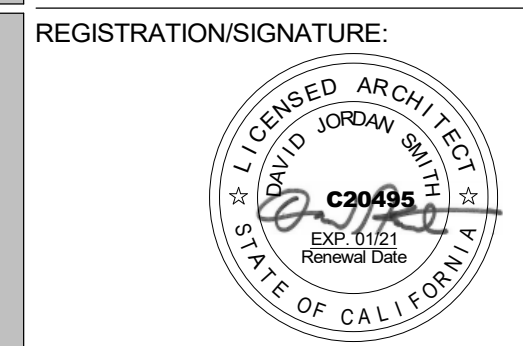
SEMI-AMBULATORY 17
1 1/2\"/>



FILLMORE HIGH SCHOOL - NEW CTE BUILDINGS
FILLMORE UNIFIED SCHOOL DISTRICT
555 Central Ave. Fillmore, CA. 93015

ISSUED FOR:	11/16/2017
SCHEMATIC DESIGN	09/21/2018
DESIGN DEVELOPMENT	12/07/2018
CONSTRUCTION DOCUMENTS	12/07/2018
50% CD	11/09/2018
90% CD	12/10/2018
DSA SUBMITTAL	12/21/2018
DSA BACKCHECK	05/08/19

REVISIONS:



SHEET TITLE:

STANDARDS

SHEET NUMBER:

G-1.1

WD PROJ #	DRAWN BY	CHECKED	DATE
18413	Author	Checker	05/08/19

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DSA SUBMITTAL

REVISIONS:

SHEET TITLE:

STANDARDS

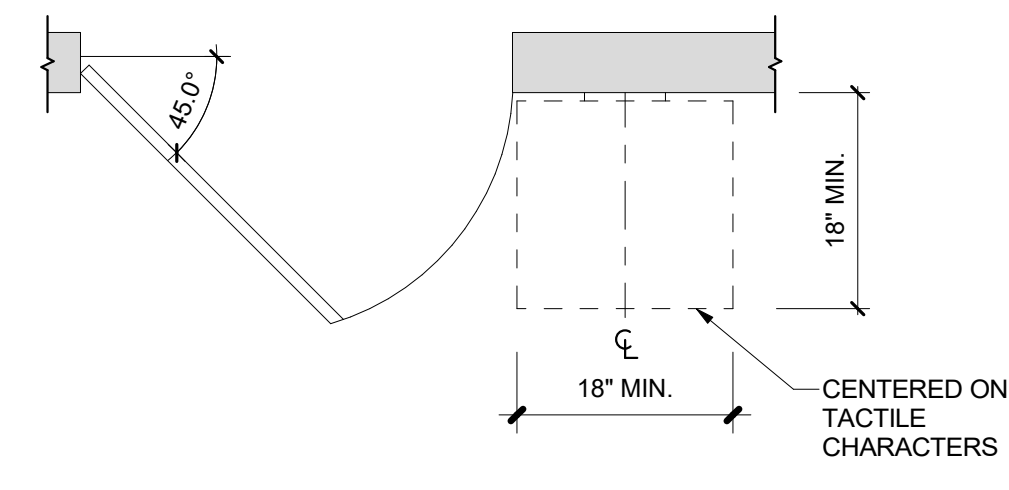
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G-1.2

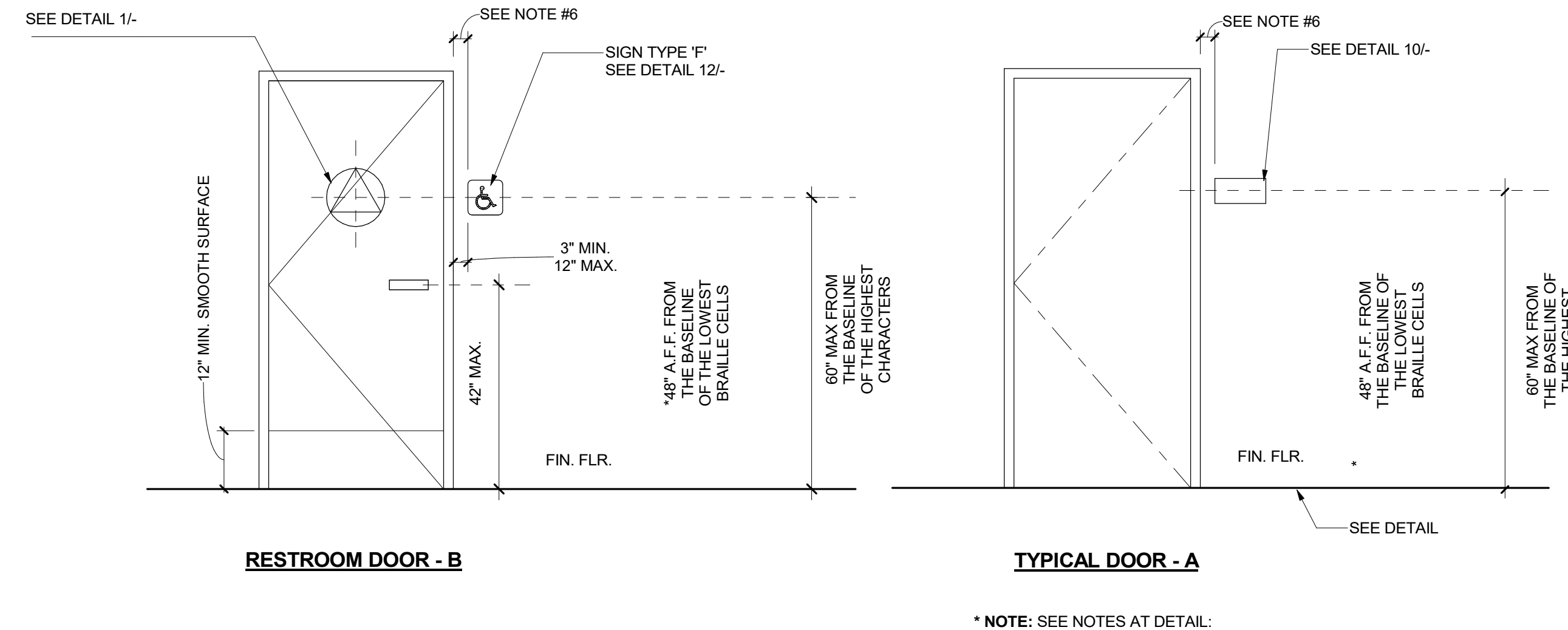
WD PROJ #	DRAWN BY	CHECKED	DATE
18413	WD	WD	05/08/19

NOTES

- SIGNS WITH TACTILE CHARACTERS SHALL BE LOCATED 48" MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS.
- WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE.
- WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF.
- WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR.
- WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL.
- IN MEETING CLEAR FLOOR SPACE, THE EDGE OF THE SIGN SHALL NOT BE LESS THAN 3" OR MORE THAN 12" FROM FRAME OF DOOR.



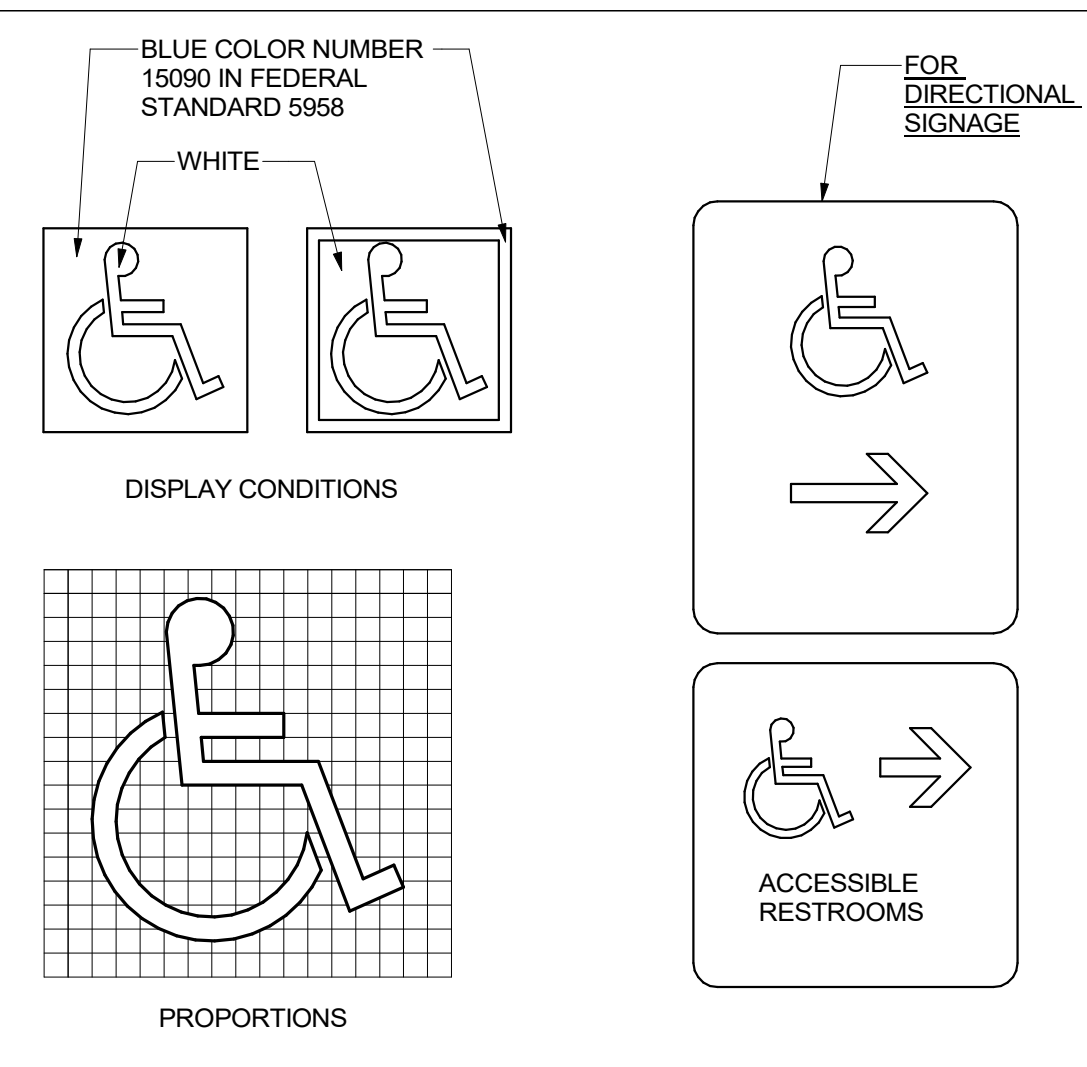
TACTILE SIGNS AT DOORS - C



RESTROOM DOOR - B

TYPICAL DOOR - A

* NOTE: SEE NOTES AT DETAIL

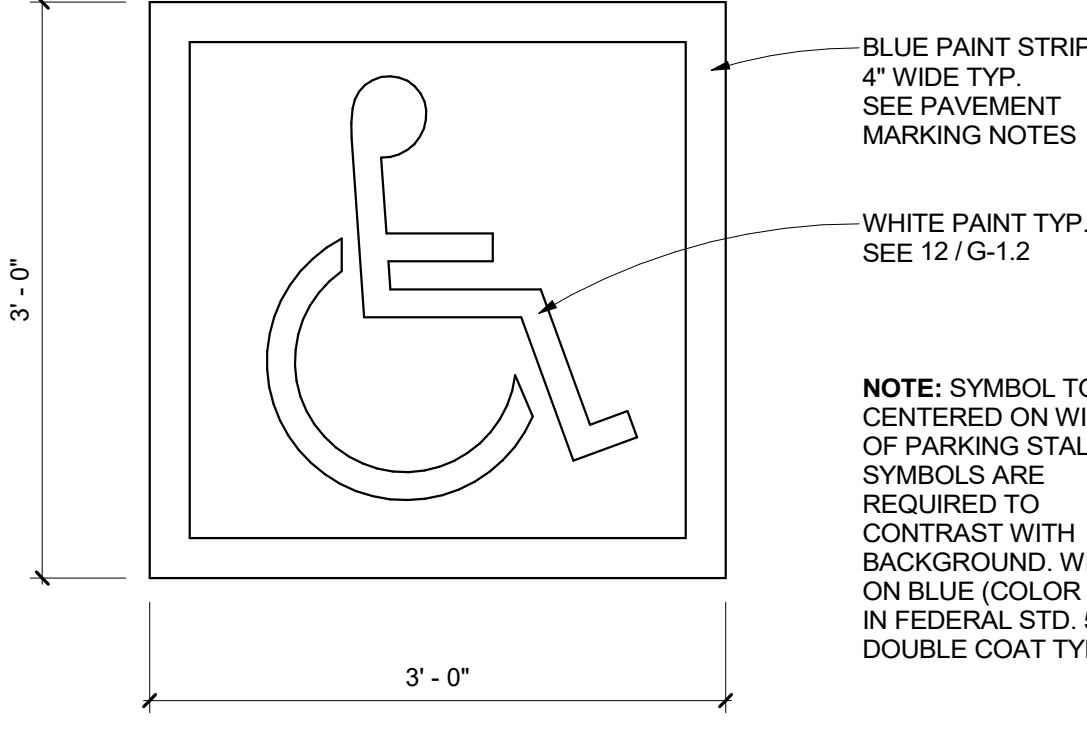


ACCESSIBLE INTERNATIONAL SYMBOL

12
12" = 1'-0"

OUTLINING A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON BLUE BACKGROUND. THE PROFILE VIEW SHALL BE LOCATED SO THAT IT IS VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE AND SHALL BE 36 INCHES HIGH BY 36 INCHES WIDE.

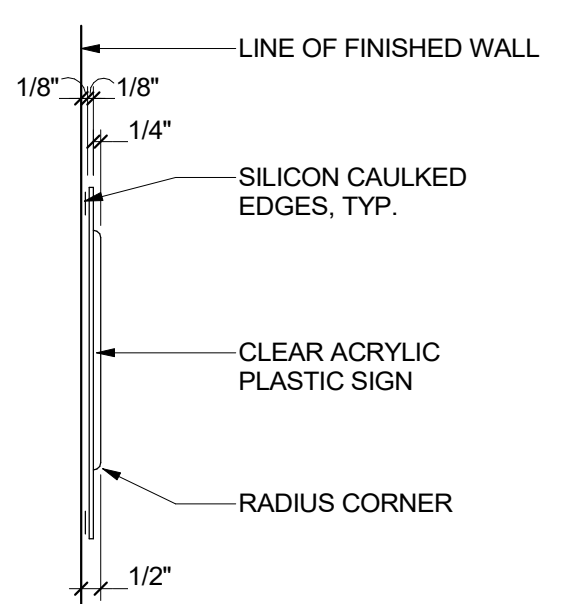
PAVEMENT MARKINGS:
1. PAINTED LINES AND MARKINGS ON PAVEMENT SHALL BE 4" MINIMUM WIDE AND BLUE IN COLOR EQUAL TO COLOR NO. 15090 PER FEDERAL STANDARD 595B.



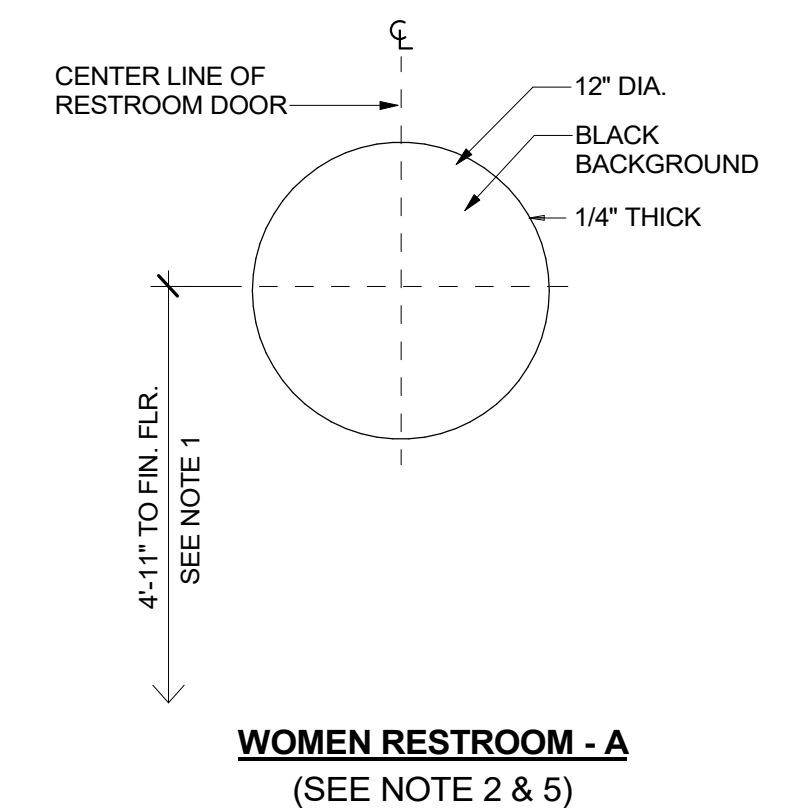
BLUE PAINT STRIPE 4" WIDE TYP. SEE PAVEMENT MARKING NOTES
WHITE PAINT TYP. SEE 12/G-1.2
NOTE: SYMBOL TO BE CENTERED ON WIDTH OF PARKING STALL
SYMBOLS ARE REQUIRED TO CONTRAST WITH BACKGROUND, WHITE ON BLUE (COLOR # 15090 IN FEDERAL STD. 595B) DOUBLE COAT TYP.

ACCESSIBLE PARKING SYMBOL

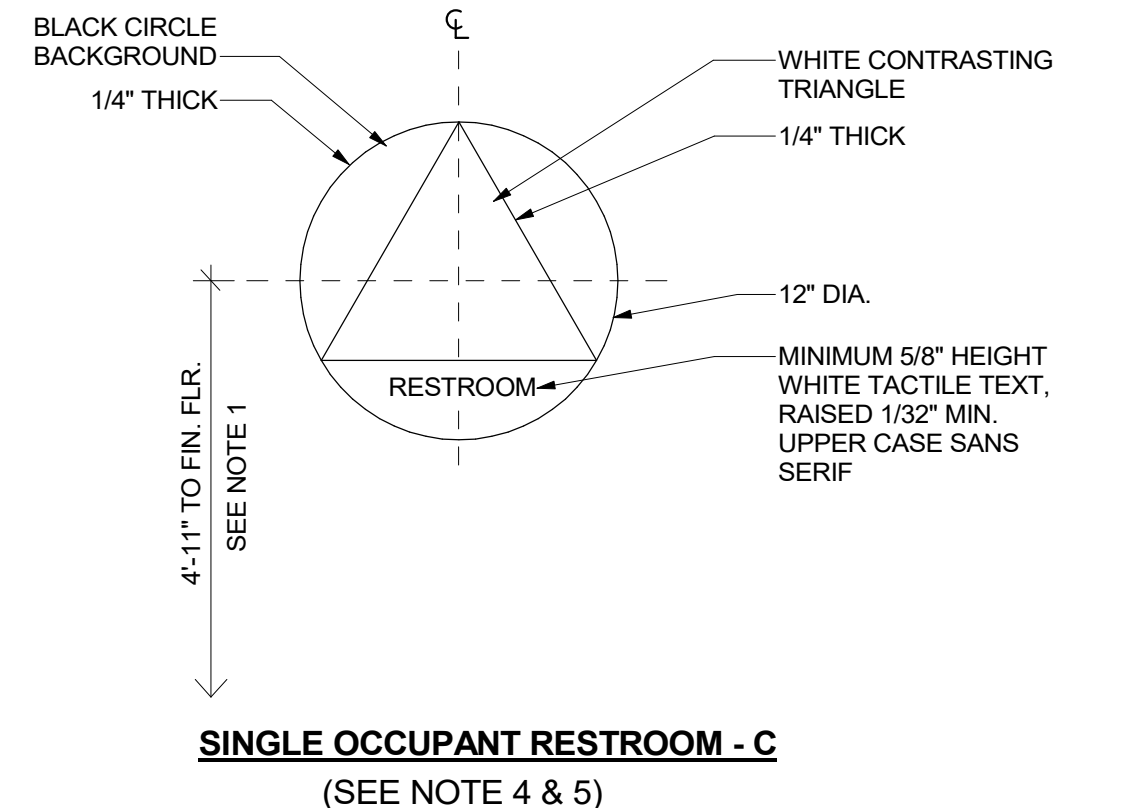
11
1" = 1'-0"



NOTES:
1. ATTACH SIGN WITH ADHESIVE ONLY AND CAULK EDGES WITH CLEAR SILICON. SIGN SHALL BE CENTER DOOR AND MOUNTED 60" (1525 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS.
2. CHARACTER HEIGHT, PROPORTION RAISED AND BRAILLE CHARACTERS AND PICTORIAL SYMBOL SIGN, FINISH AND CONTRAST, MOUNTING HEIGHT AND LOCATION SHALL COMPLY WITH THE REQUIREMENTS OF CBC.



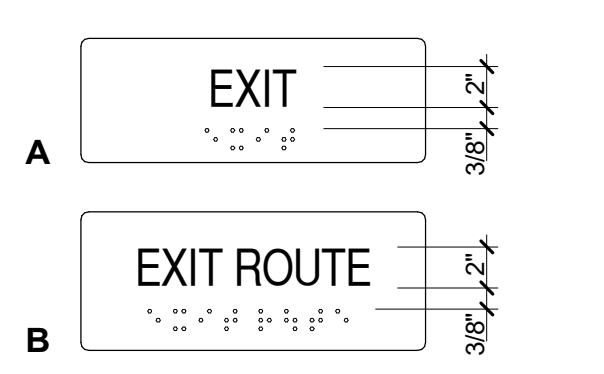
WOMEN RESTROOM - A (SEE NOTE 2 & 5)



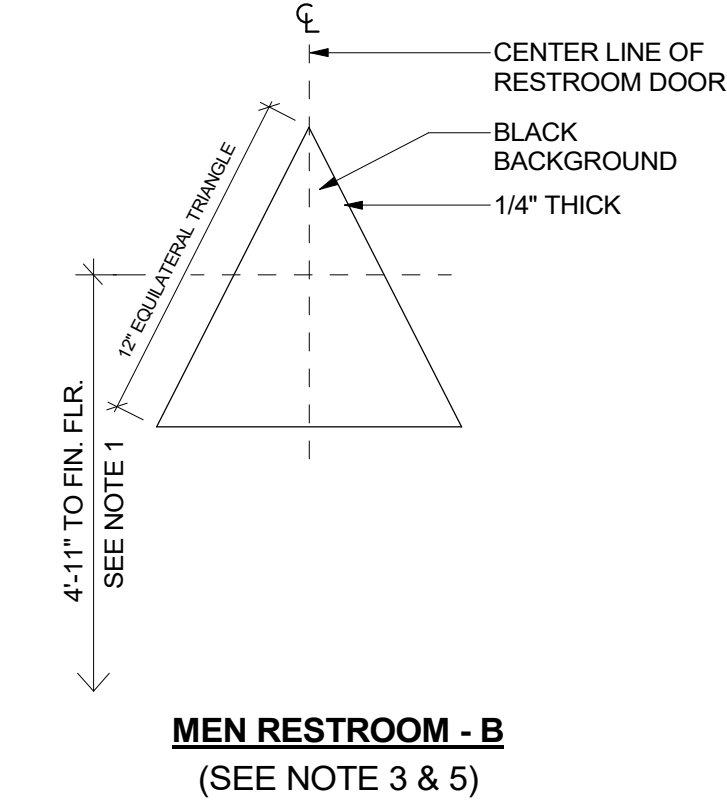
SINGLE OCCUPANT RESTROOM - C (SEE NOTE 4 & 5)

SIGN INSTALLATION

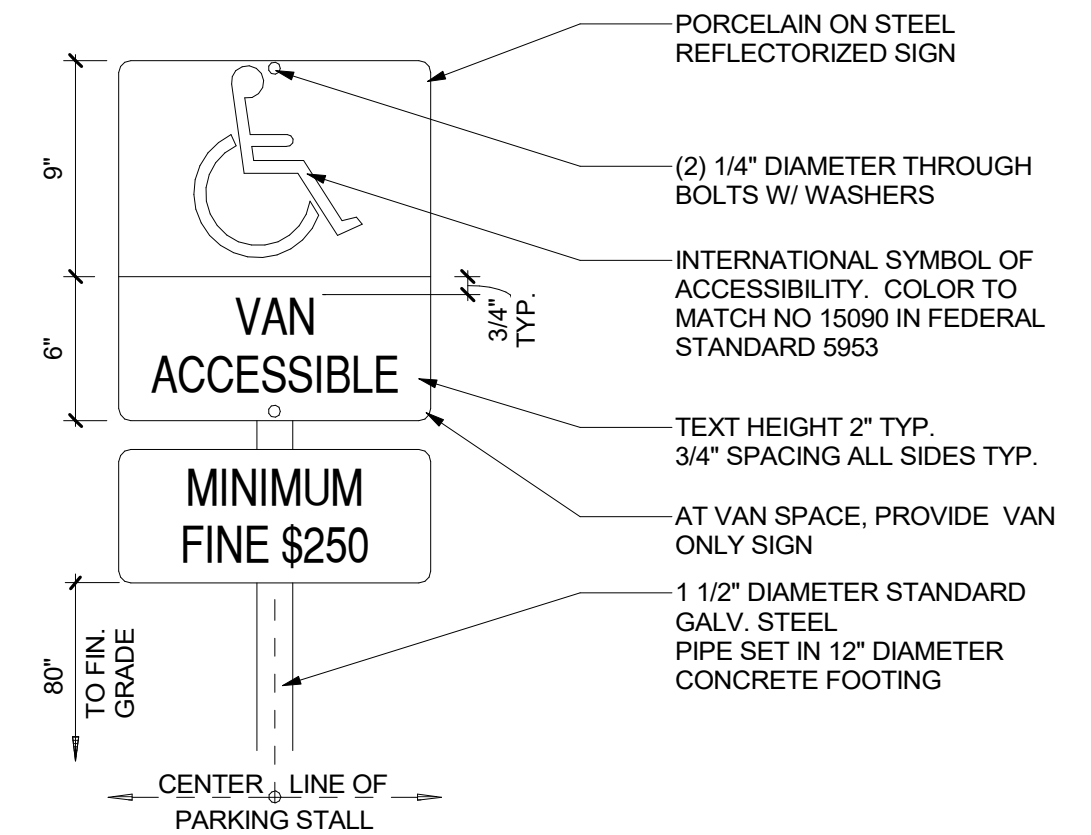
10
1/2" = 1'-0"



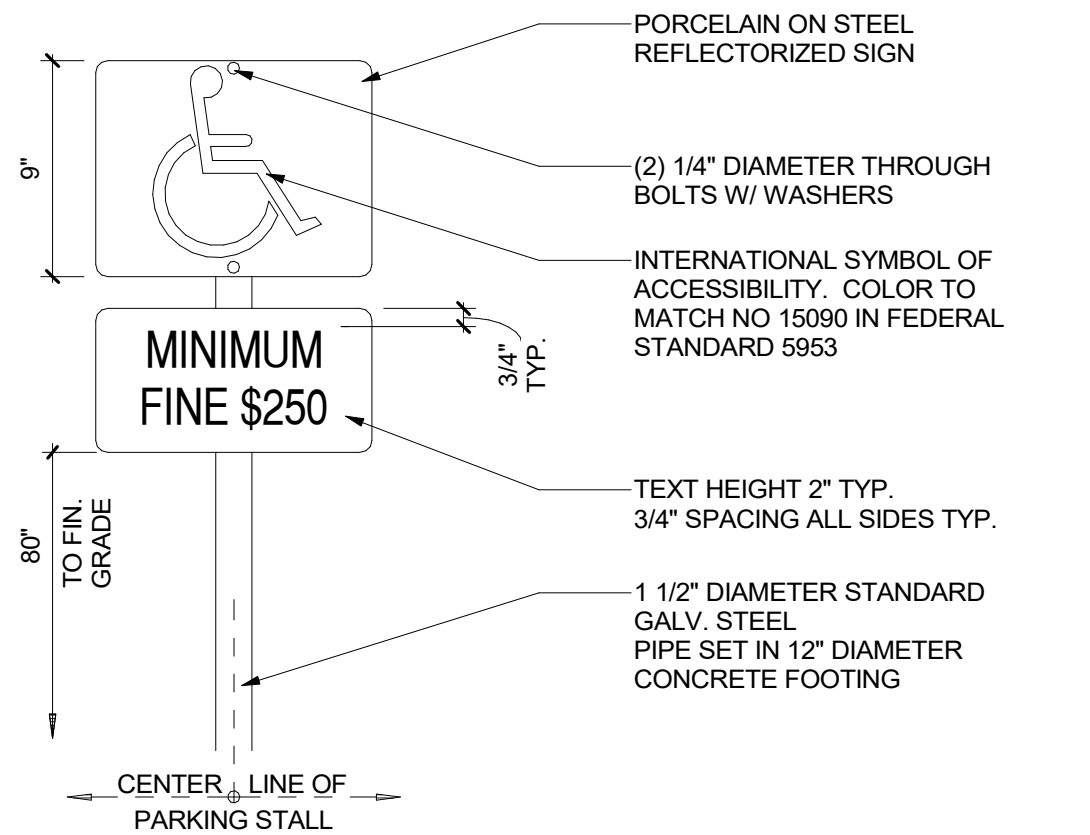
NOTE: FOR BRAILLE REQUIREMENTS SEE: 13/G-1.2
FOR MOUNTING REQUIREMENTS SEE: 10/G-1.2



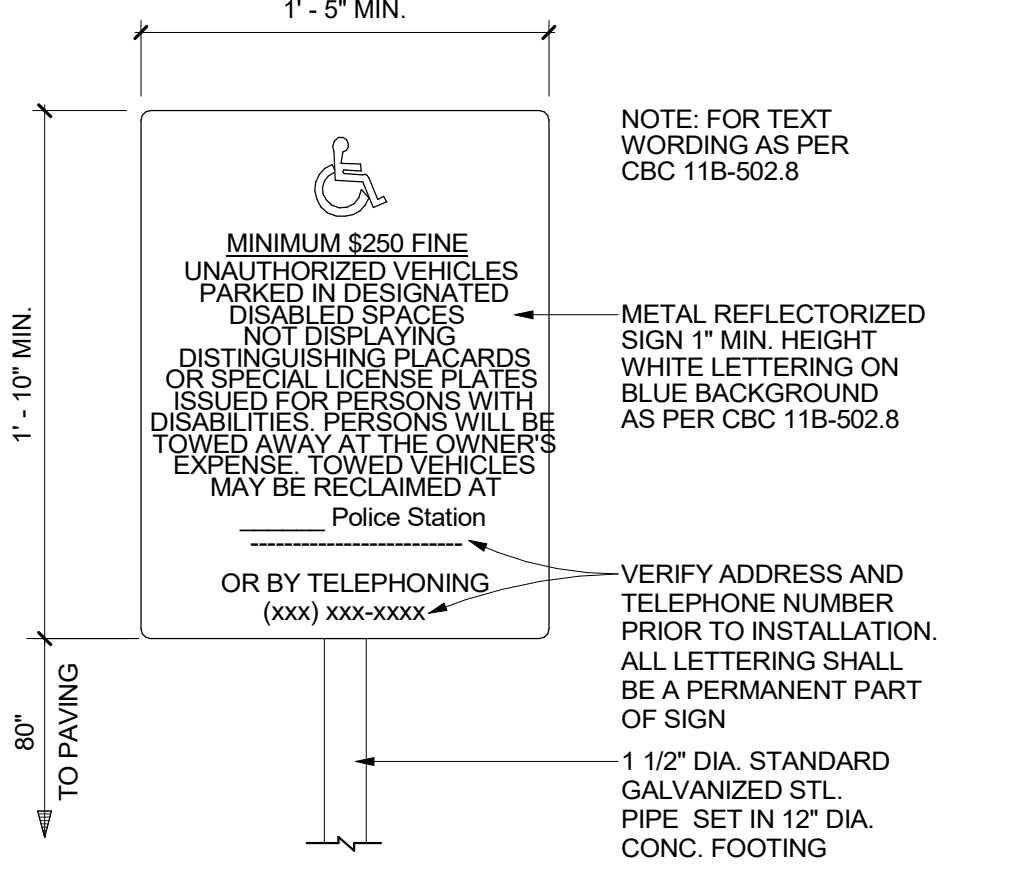
MEN RESTROOM - B (SEE NOTE 3 & 5)



ACCESSIBLE VAN - A



ACCESSIBLE CAR - B



SITE ENTRY SIGN - C

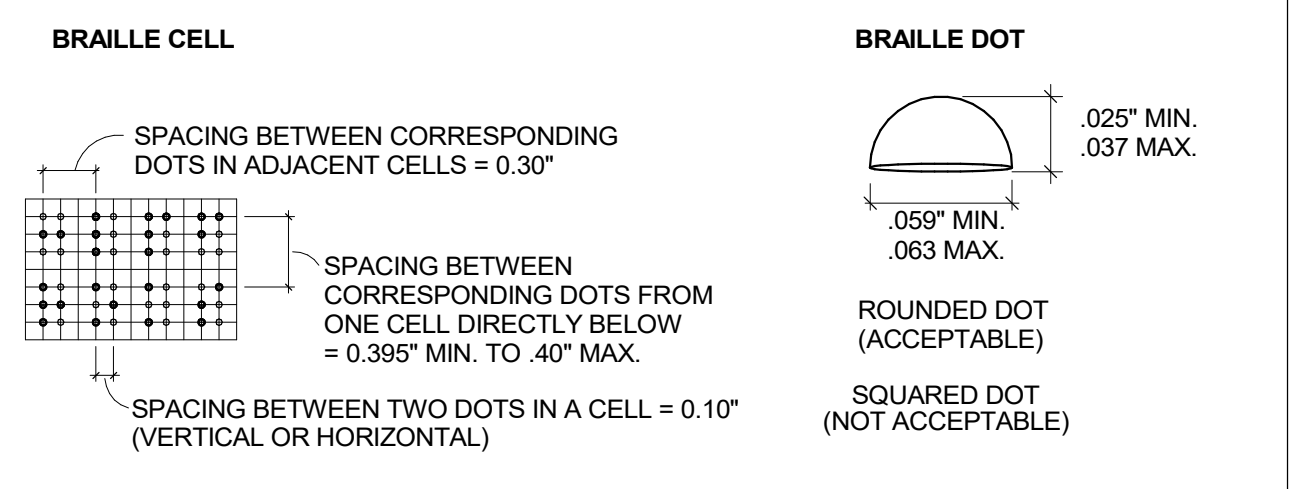
SITE SIGNAGE
1. EACH PARKING SPACE RESERVED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE, CONSISTING OF A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON DARK BLUE BACKGROUND. THE SIGN SHALL NOT BE SMALLER THAN 70 SQ. INCHES IN AREA AND WHEN IN A PATH OF TRAVEL SHALL BE POSTED AT A MINIMUM HEIGHT OF 80" FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE.
2. AN ADDITIONAL SIGN SHALL ALSO BE POSTED, IN A CONSPICUOUS PLACE, AT EACH ENTRANCE TO OFF PARKING FACILITIES, OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE. THE SIGN SHALL BE NOT LESS THAN 17" BY 22" IN SIZE WITH LETTERING NOT LESS THAN 1" IN HEIGHT, WHICH CLEARLY AND CONSPICUOUSLY STATES THE FOLLOWING:
*UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES MAY BE TOWED AWAY AT OWNERS EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT OR BY TELEPHONING.
NOTE: BLANK SPACES ARE TO BE FILLED IN WITH APPROPRIATE INFORMATION AS A PERMANENT PART OF THE SIGN.

ACCESSIBLE PARKING IDENTIFICATION SIGNS

15
1 1/2" = 1'-0"

- CHARACTER TYPE**
CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE (SEE NOTE 5 BELOW), PER CBC SEC. 11B-703.
- CHARACTER SIZE**
RAISED CHARACTERS SHALL BE A MIN. OF 5/8" AND A MAXIMUM OF 2" HIGH.
- FINISH AND CONTRAST**
CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND, MUST BE 70% MIN. AND HAVE A NON-GLARE FINISH. 11B-703.5.1, 11B-7.3.6.2. & 11B-703.7.1.
- PROPORTIONS**
CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10. 11B-703.2.4 & 11B-703.2.6.
ALL LETTERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPESTYLE TO TEST, BEGIN BY PRINTING THE LETTERS 'X' AND 'O' AT 1" HIGH. PLACE THE TEMPLATE'S 1:1 SQUARE OVER THE X OR O, WHICHEVER IS NARROWER. IF THE CHARACTER IS NOT WIDER THAN 1" NOR NARROWER THAN THE 3:5 RECTANGLE, THE PROPORTIONS ARE CORRECT. USE THE 1:5 RECTANGLE TO DETERMINE IF THE STROKE OF THE 1:5 IS TOO BROAD, AND THE 1:10 RECTANGLE TO SEE IF IT IS TOO NARROW. IF ALL THE TESTS ARE PASSED, THE TYPESTYLE IS COMPLIANT WITH PROPORTION CODE.
TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS:

- BRAILLE**
CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE POSITIONED WITHIN CELLS PER THE SPACING SHOWN IN THE DIAGRAM BELOW. DOTS SHALL BE RAISED ABOVE THE BACKGROUND PER THE BELOW DIAGRAM. SEE SECTION 11B-703.3 & 11B-703.3.1 FOR ADDITIONAL INFORMATION.



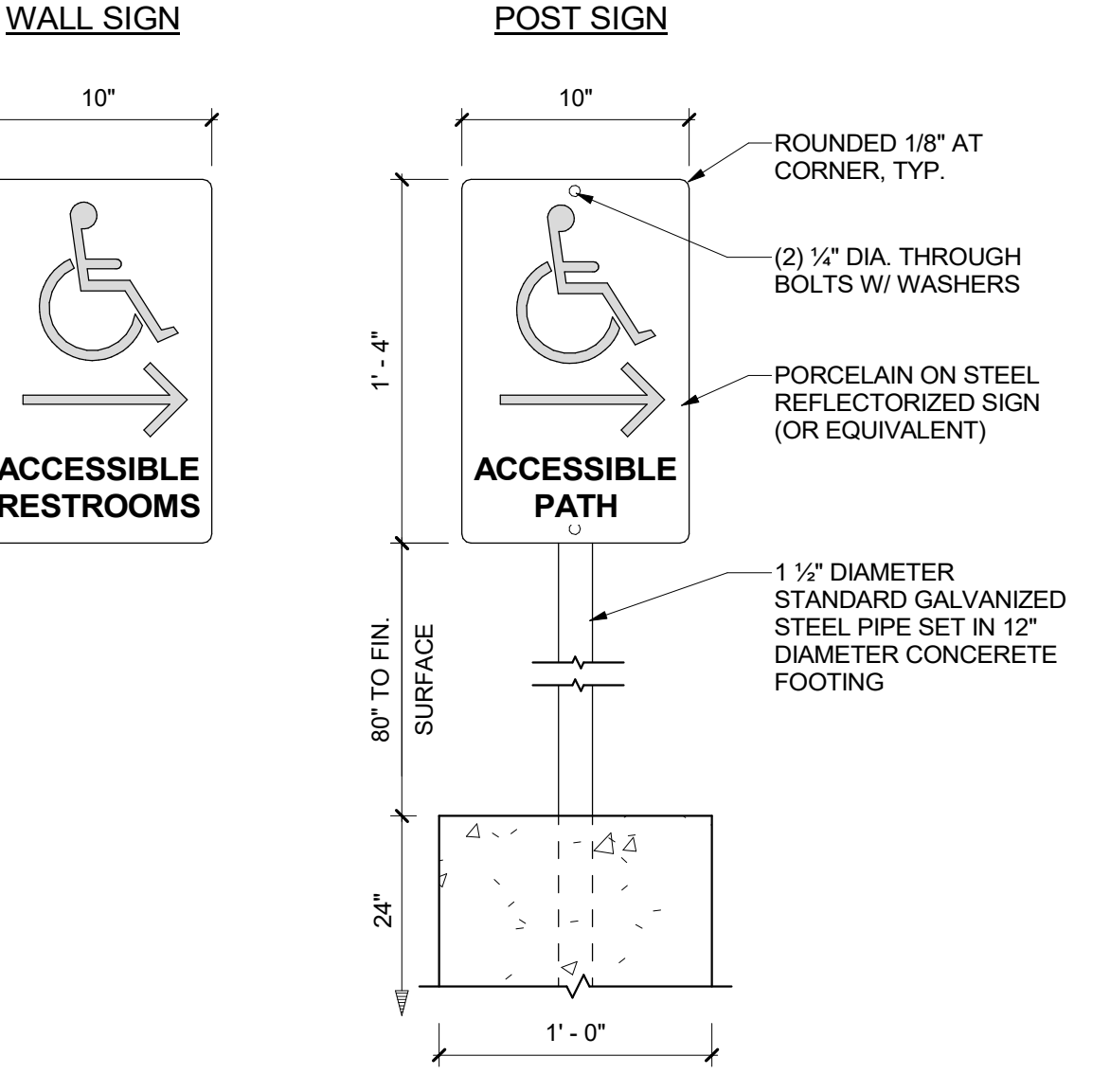
BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT. FLUSH LEFT OR CENTERED. IF TEXT IS MULTILINE, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH MINIMUM AND 1/2 INCH MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

6. SIGNS WITH RAISED CHARACTERS AND BRAILLE SHALL BE LOCATED 48 INCHES (1220 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST LINE OF BRAILLE AND 60 INCHES (1525 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3 INCHES (76 MM) OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWINGS OF A DOOR.

7. RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER 'O' IS 60 PERCENT MINIMUM AND 11.0 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER 'T'. STROKE THICKNESS OF THE UPPERCASE LETTER 'T' SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

GRAPHIC ELEMENTS

13
1/2" = 1'-0"



ACCESSIBLE DIRECTIONAL SIGNAGE

18
1 1/2" = 1'-0"



- NOTES:**
- PERMANENT ASSISTIVE LISTENING DEVICE RADIO FREQUENCY (FM)
(1) T-31 FM TRANSMITTER BY WILLIAMS SOUND
(2) R-31 RECEIVER BY WILLIAMS SOUND
MIN. (2) REQUIRED
CONTACT: HEARING PROMOTIONS (714) 669-0401
 - PROTABLE ASSISTIVE LISTENING DEVICE RADIO FREQUENCY (FM)
(1) PFM T-30 TRANSMITTER BY HEARING HELPER
(2) PFM R31 RECEIVER BY HEARING HELPER
MIN. (2) REQUIRED
CONTACT: HEARING HELPER (866) 432-7776
 - COORDINATE SPEAKER LOCATION WITH ARCHITECT.
 - LETTER STYLE: UPPERCASE SANS SERIF.

ASSISTIVE LISTENING SYSTEM SIGN

17
1/2" = 1'-0"

ACCESSIBLE ROOM SIGNS

9
1/2" = 1'-0"

RESTROOM GEOMETRIC SYMBOLS

1
3/4" = 1'-0"

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP. 03-119532 INC. REVIEWED FOR DATE: 6/24/19

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

FILLMORE HIGH SCHOOL - NEW CTE BUILDINGS FILLMORE UNIFIED SCHOOL DISTRICT 555 Central Ave. Fillmore, CA. 93015

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

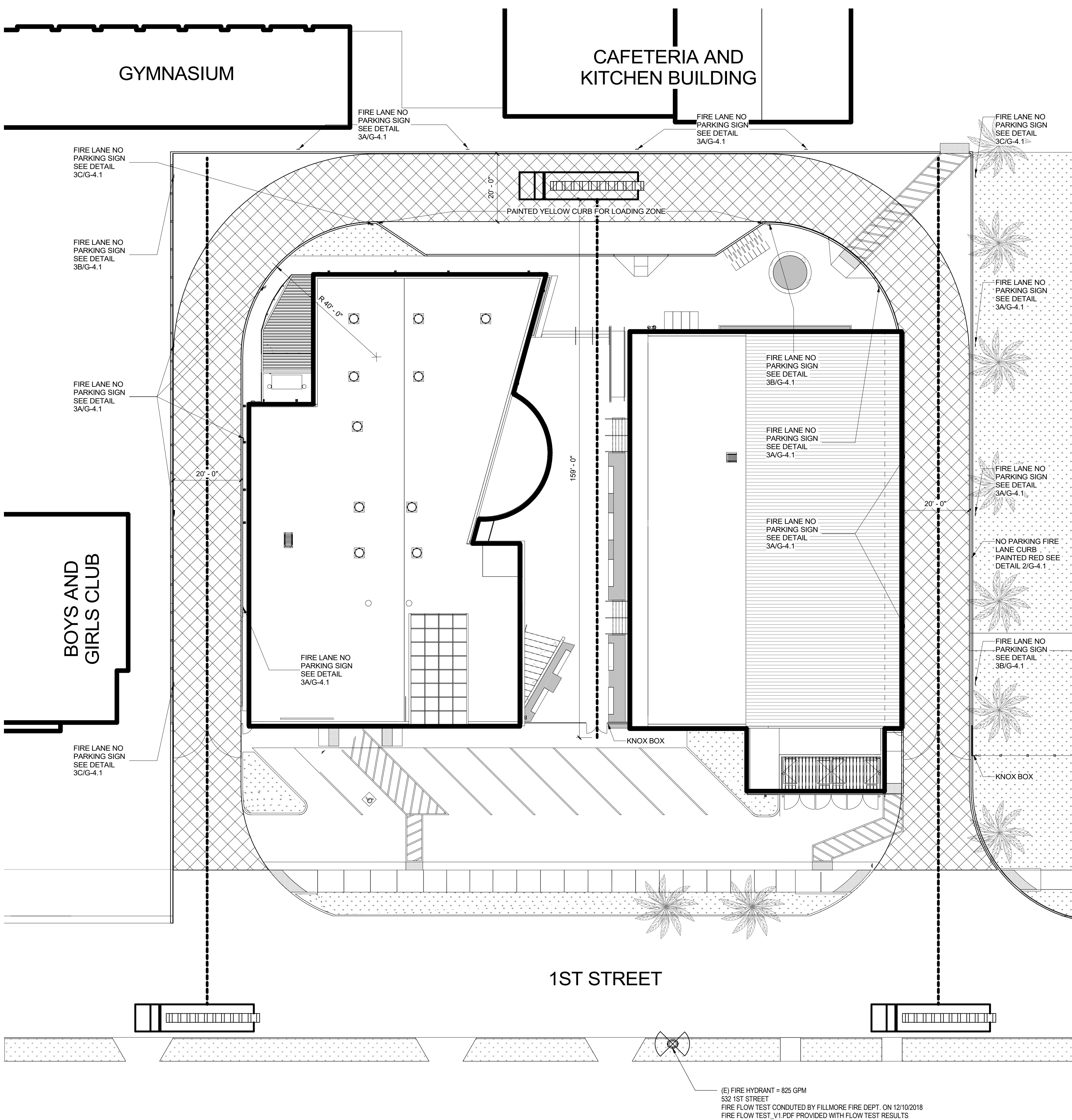
NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

NONRESIDENTIAL VOLUNTARY MEASURES SECTION AS 602 NONRESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST—continued*

REGISTRATION/SIGNATURE: CALGREEN COMPLIANCE FORMS G-2.1 SHEET NUMBER: 18413



DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1-3 below is to be provided for all project types indicated above. Information associated with items 4-7 is to be completed when an alternate means is utilized. Acknowledgment by the school district and signature from the local fire authority (LFA) is only required when an alternate design means is being requested.

Page 1 of the completed form must be imaged onto the fire access site plan. When an alternate design/means is proposed, completed pages 1 and 2 are to be imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and *DSA Policy 09-01*.

PROJECT INFORMATION

School District/Owner:	Fillmore Unified School District
Project Name/School:	Fillmore High School
Project Address:	555 Central Ave. Fillmore, CA. 93015

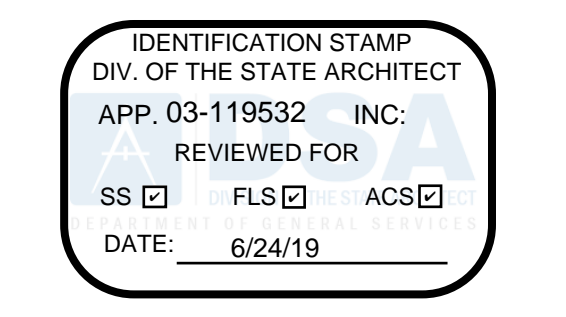
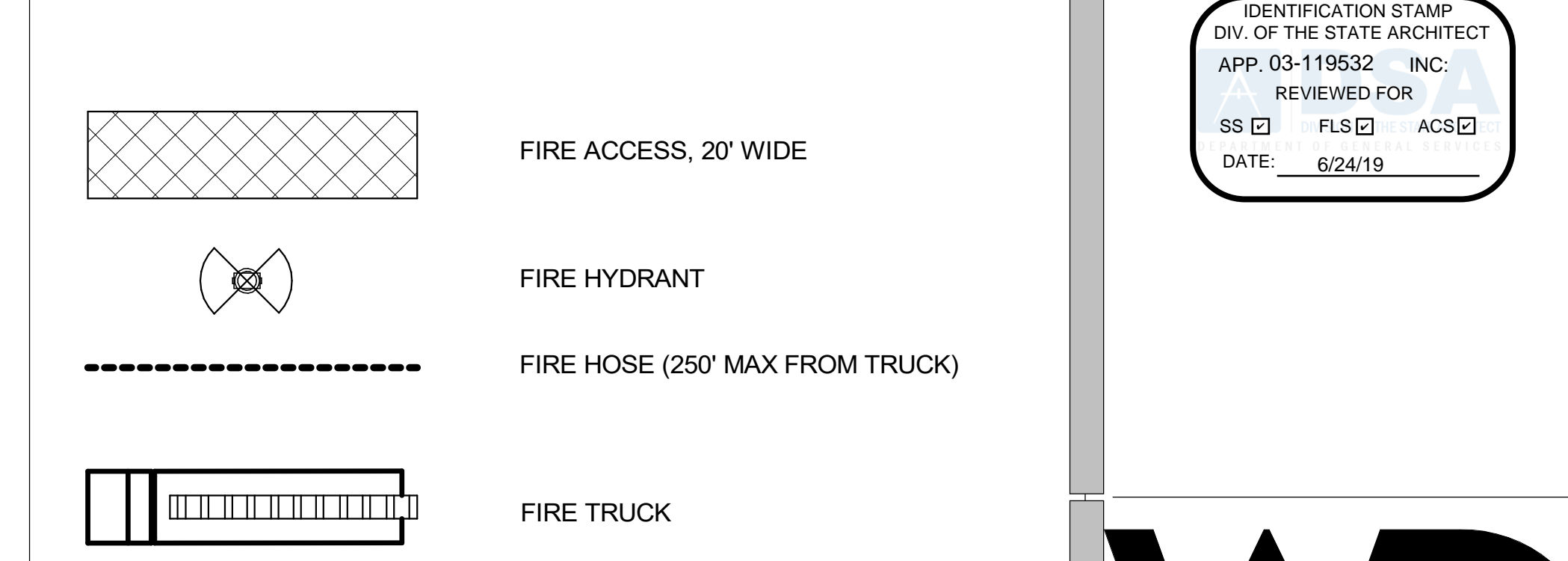
FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
3. Is the project located within a designated fire hazard severity zone as established by Cal-Fire? (If yes, indicate fire hazard zone classification below)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CFC Chapter 7A.)	WIFA <input type="checkbox"/>	

CONDITION MEANS AND METHODS RESOLUTION

	ALTERNATE ACCEPTED			
	Yes	No	N/A	N/R
4. Emergency vehicle access roadways do not meet CFC requirements.				
4a. Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.	<input checked="" type="checkbox"/>			
5. Fire Hydrants: Number and spacing does not meet CFC requirements.				
5a. Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.	<input checked="" type="checkbox"/>			
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.				
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	<input checked="" type="checkbox"/>			
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.				
7a. Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.	<input checked="" type="checkbox"/>			

LEGEND



FILLMORE HIGH SCHOOL - NEW CTE BUILDINGS

FILLMORE UNIFIED SCHOOL DISTRICT

555 Central Ave. Fillmore, CA. 93015

ISSUED FOR:

SCHEMATIC DESIGN	11/16/2017
DESIGN DEVELOPMENT	09/21/2018
CONSTRUCTION DOCUMENTS	12/07/2018
90% CD	11/09/2018
95% CD	12/10/2018
DSA SUBMITTAL	1/22/2019
DSA BACKCHECK	05/08/19

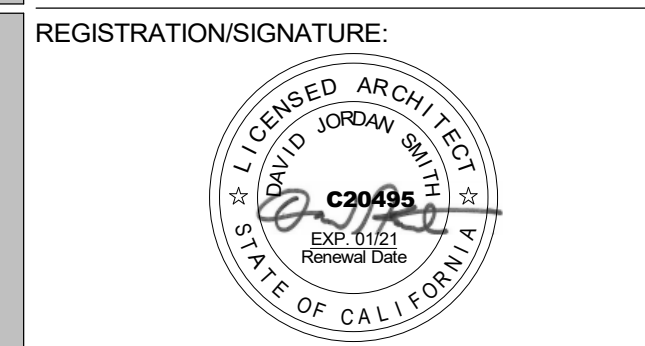
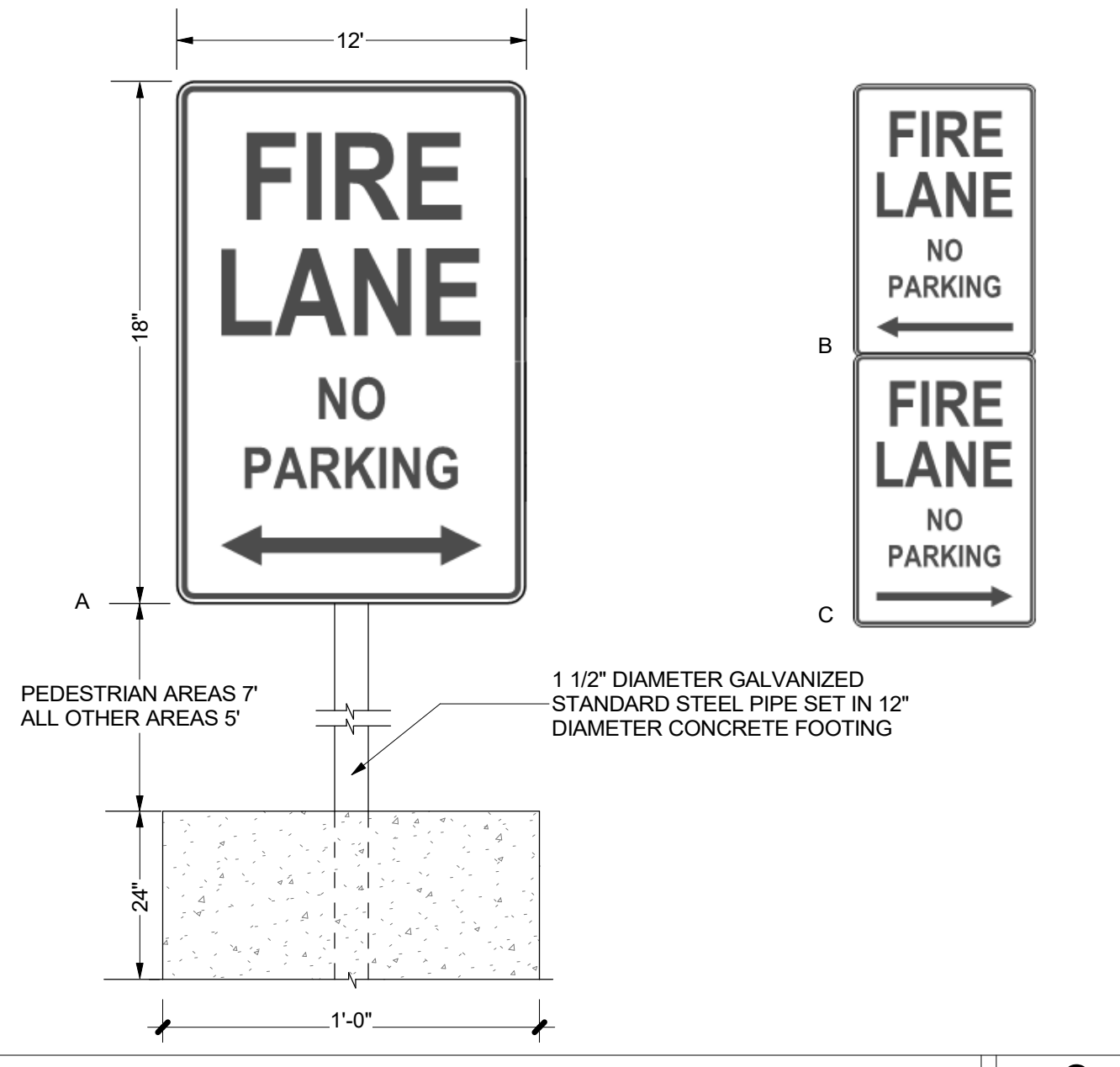
REVISIONS:

(E) FIRE HYDRANT = 925 GPM 532 1ST STREET
FIRE FLOW TEST CONDUCTED BY FILLMORE FIRE DEPT. ON 12/10/2018
FIRE FLOW TEST_V1.PDF PROVIDED WITH FLOW TEST RESULTS



FIRE ACCESS PLAN

1
1/16" = 1'-0"



REGISTRATION/SIGNATURE:

SHEET TITLE:

FIRE ACCESS

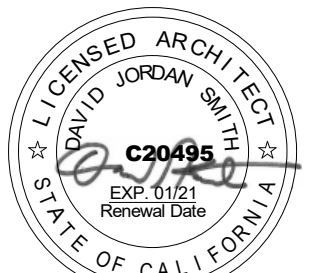
SHEET NUMBER:

G-4.1

WD PROJ #	DRAWN BY	CHECKED	DATE
18413	WD	WD	05/08/19

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DSA # 03-119532

DSA SUBMITTAL



LEGEND

- XX--> COMMON PATH OF EGRESS TRAVEL
- *****> EXIT ACCESS TRAVEL DISTANCE
- OCCUPANCY # XX OCCUPANCY NUMBER
- WIDTH REQUIRED 0' DOOR WIDTH REQUIRED
- WIDTH PROVIDED 0' DOOR WIDTH PROVIDED
- 0 INDIVIDUAL ROOM OCCUPANT LOAD
- 0 COMBINED ROOM OCCUPANT LOAD
- RM: ### ROOM NUMBER
- ROOM NAME ROOM NAME
- XXX SF SQUARE FOOTAGE
- XX OCCUPANT LOAD*
- X-1 | XXX OCCUPANT LOAD FACTOR
- OCCUPANCY GROUP
- *NUMBERS IN () ARE ROOM EXITING OCCUPANCY AND NOT INCLUDED AS PART OF BUILDING OCCUPANT LOAD.
- METAL STUD WALL: (20 GA) METAL STUDS @ 16" O.C., U.N.O.
- CMU WALL: SEE STRUCTURAL FOUNDATION PLANS SHEETS (REFERENCE CBC TABLE 721.1 (2) FOR RATING REQUIREMENTS)
- CMU SMOKE BARRIER 1 HR FIRE RATED WALL
- SMOKE BARRIER 1 HR FIRE RATED WALL

CODE ANALYSIS

CONSTRUCTION TYPE	
TYPE	VB
SPRINKLED WITH FULLY AUTOMATIC FIRE DETECTION AND ALARM SYSTEM WITH VOICE EVACUATION	YES
MAIN OCCUPANCY	E
ANCILLARY OCCUPANCIES	S1, S2, B
MIXED OCCUPANCY SEPARATION TYPE	ACCESSORY

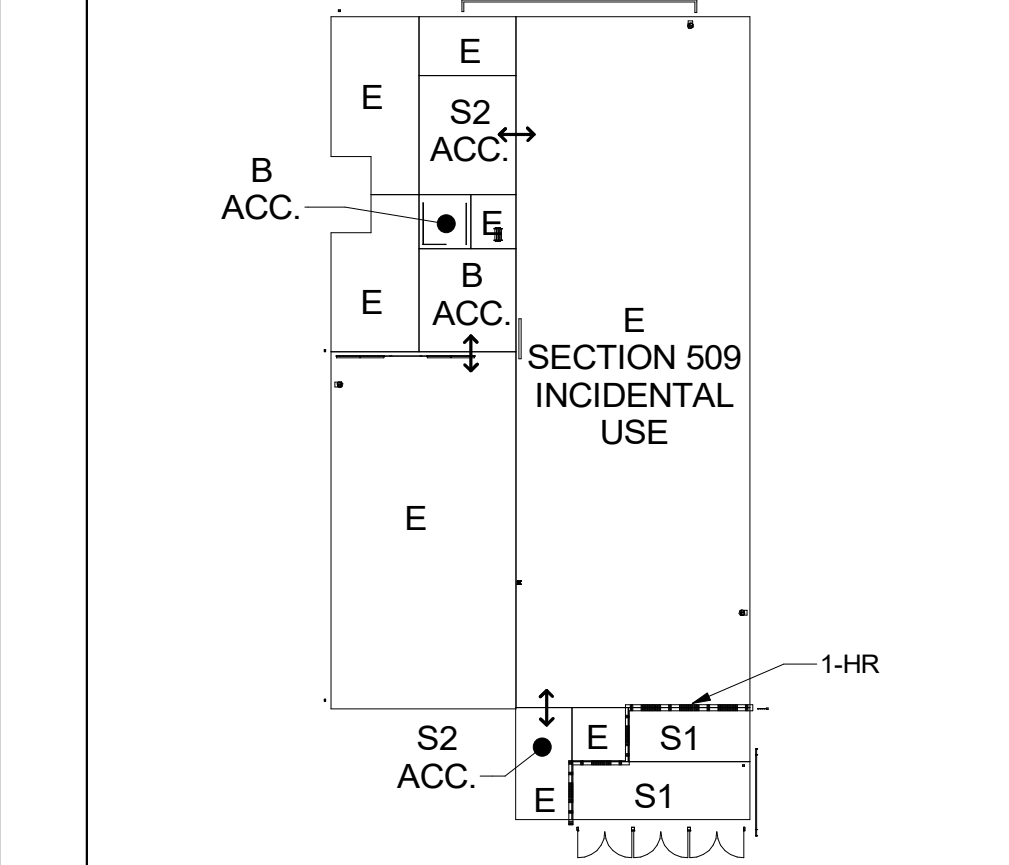
ALLOWABLE BUILDING HEIGHT	
E OCCUPANCY	60'
2 STORY	

ALLOWABLE BUILDING AREA	
E OCCUPANCY	28,500 SF

ACTUAL AREA	
B	280 SF
E	7,406 SF
S-1	433 SF
S-2	394 SF
TOTAL	8,513 SF

ACCESSORY OCCUPANCY SECTION 508.2	
BUILDING TOTAL	8,513 SF
10% ALLOWABLE	851 SF
B OCCUPANCY	107 OFFICE 231 SF
	110 TOILET 49 SF
S-2 OCCUPANCY	111 SHOP STORAGE 304 SF
	105A COMPR. ROOM 90 SF
TOTAL	674 SF

INCIDENTAL USE DIAGRAM

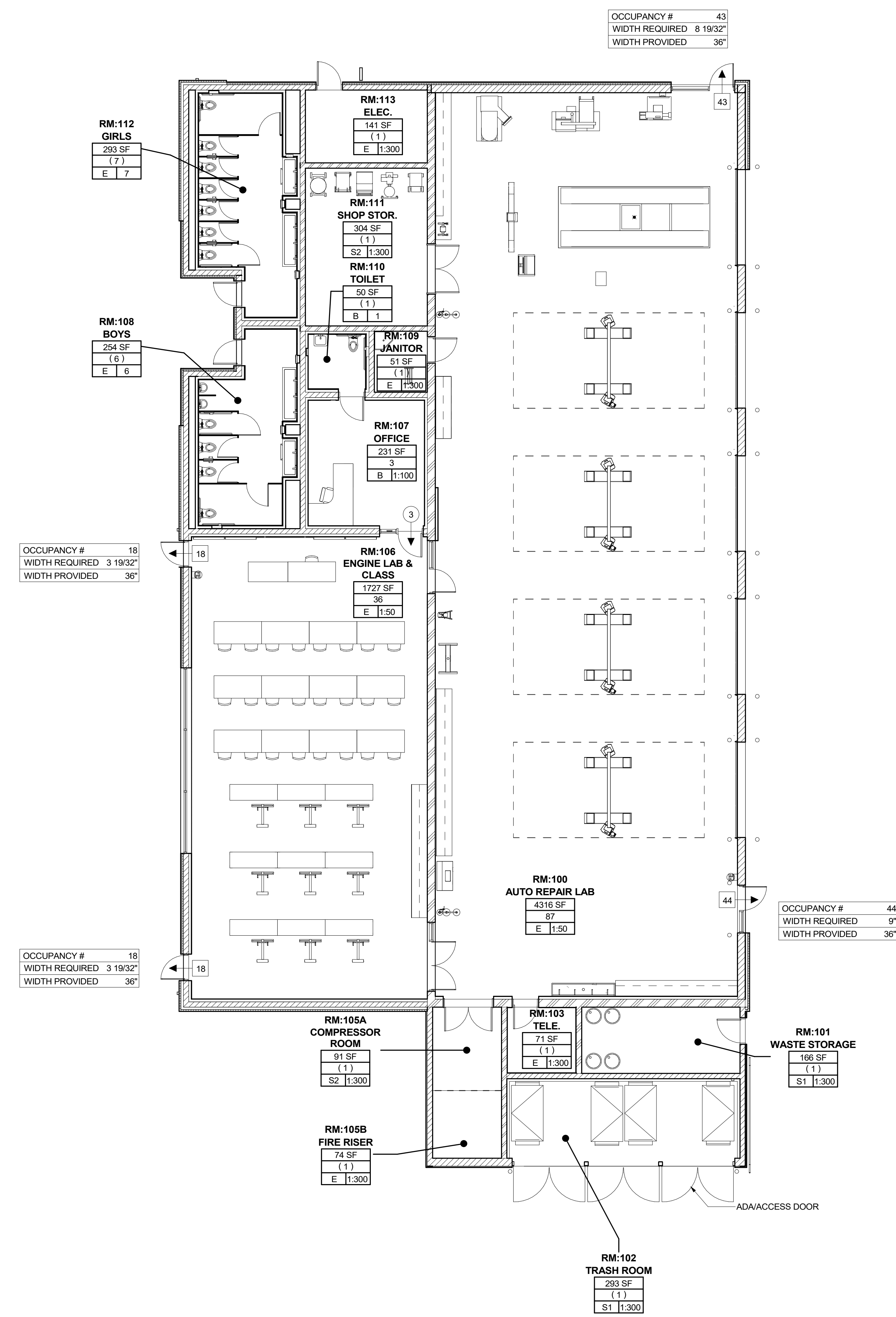


INCIDENTAL USES TABLE 509

- IN GROUP E OCCUPANCIES, LABORATORIES, AND VOCATIONAL SHOPS NOT CLASSIFIED AS GROUP H - 1-HOUR SEPARATION IS NOT REQUIRED IF AUTOMATIC SPRINKLER SYSTEM IS PROVIDED.
- PER DSA RA 26 ITEM 1.5 SHOPS FOR WOODWORKING, AUTO, METAL/WELDING, AND SIMILAR USES SHALL BE CLASSIFIED AS GROUP E OCCUPANCIES WITH AN OCCUPANT LOAD FACTOR OF 50 (NET).

OCCUPANCY SEPARATION TABLE 508.4	
ES-1	1-HOUR

FIRE RESISTANCE RATING TABLE 601	
PRIMARY STRUCTURAL FRAME	0 HR
BEARING WALLS	
EXTERIOR	0 HR
INTERIOR	0 HR
NON BEARING WALLS & PARTITIONS	
EXTERIOR	0 HR
INTERIOR	0 HR
FLOOR CONSTRUCTION & SECONDARY MEMBERS	0 HR
ROOF CONSTRUCTION & SECONDARY MEMBERS	0 HR

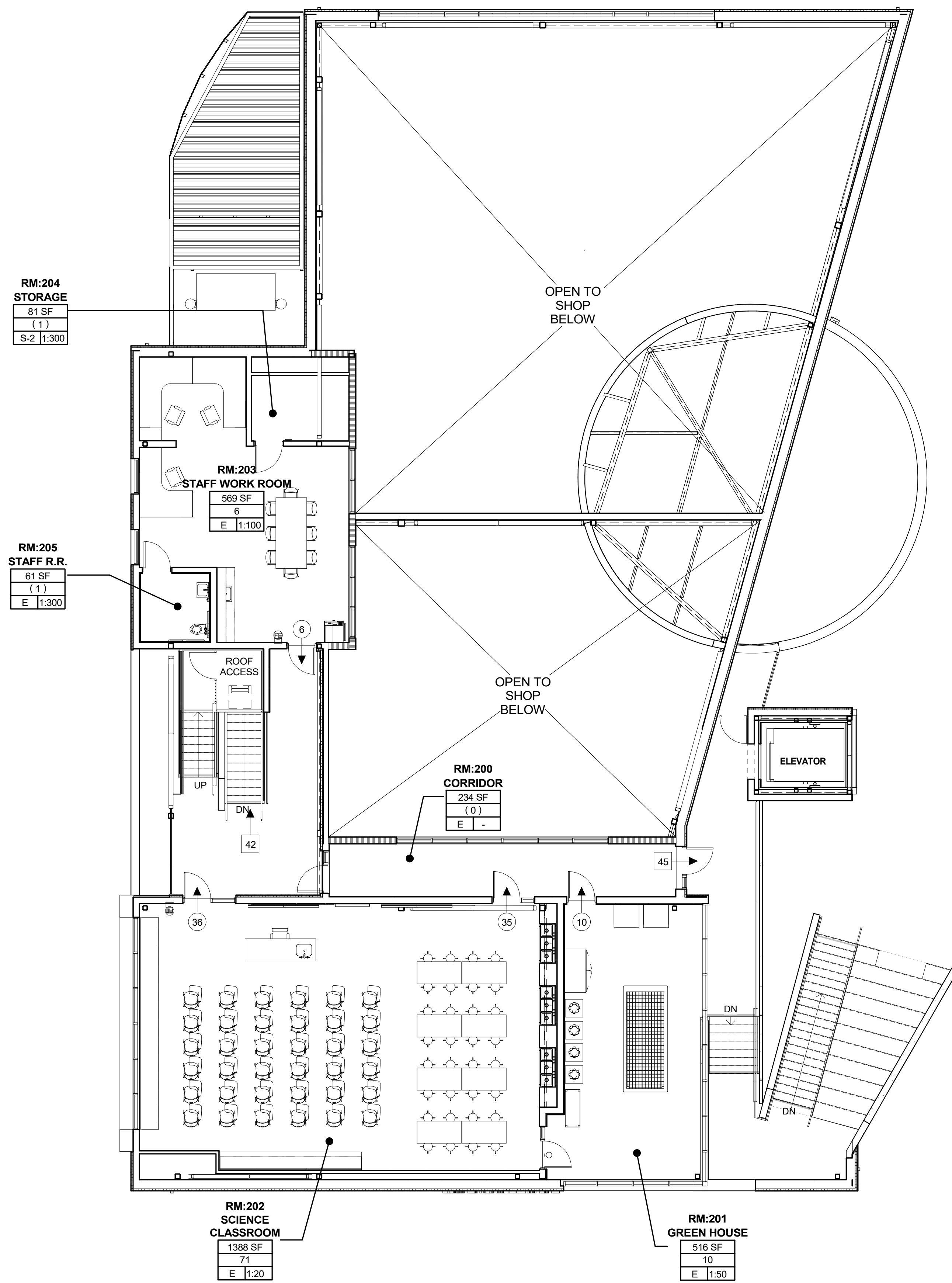


LEGEND

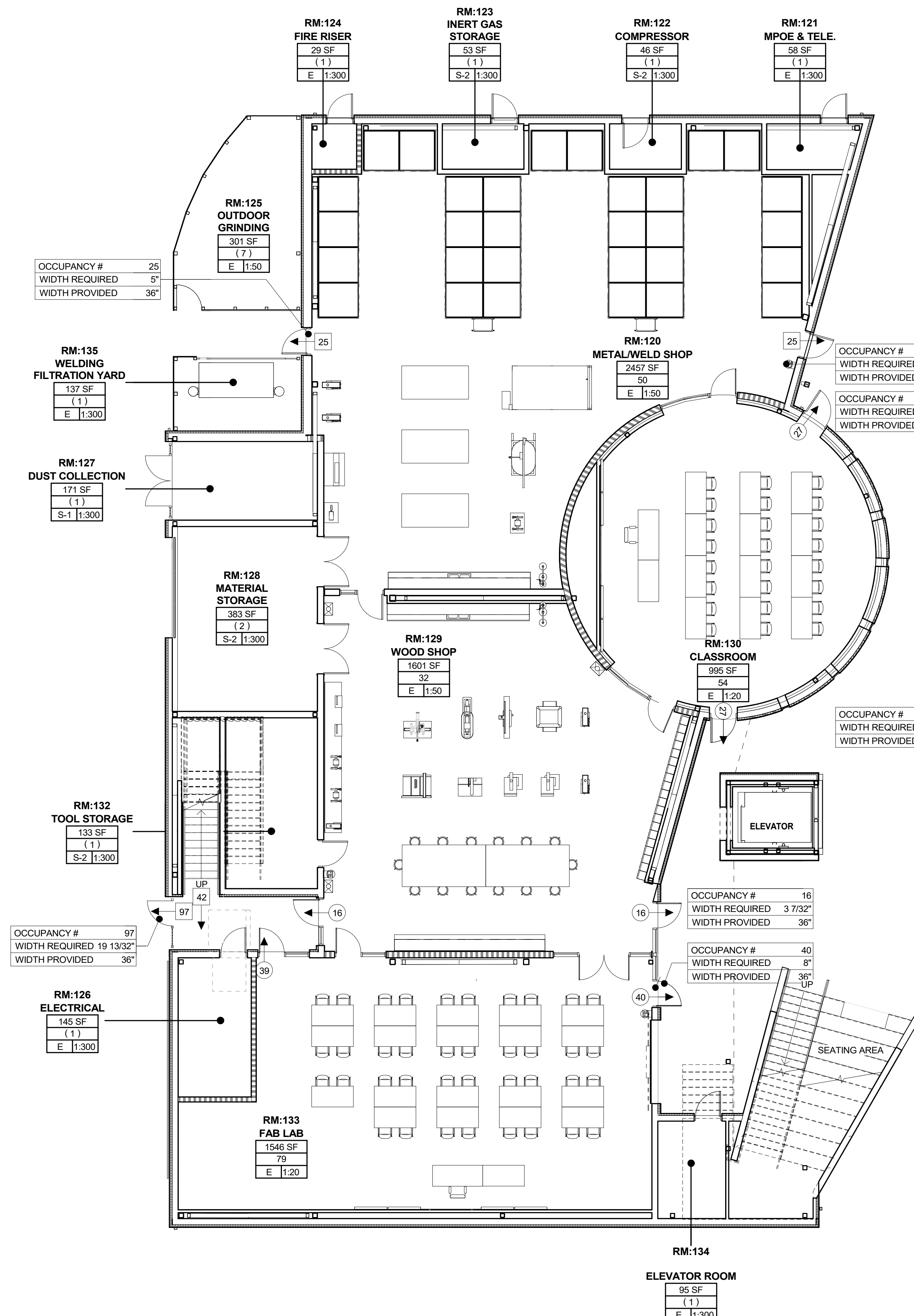
- XX---> COMMON PATH OF EGRESS TRAVEL
- XX-----> EXIT ACCESS TRAVEL DISTANCE
- OCCUPANCY # XX --- OCCUPANCY NUMBER
- WIDTH REQUIRED 0' --- DOOR WIDTH REQUIRED
- WIDTH PROVIDED 0' --- DOOR WIDTH PROVIDED
- ← 0 --- INDIVIDUAL ROOM OCCUPANT LOAD
- ← 0 --- COMBINED ROOM OCCUPANT LOAD
- RM: ### --- ROOM NUMBER
- ROOM NAME --- ROOM NAME
- XXX SF --- SQUARE FOOTAGE
- XX --- OCCUPANT LOAD*
- X-1 | XXX --- OCCUPANT LOAD FACTOR
- --- OCCUPANCY GROUP
- *NUMBERS IN () ARE ROOM EXITING OCCUPANCY AND NOT INCLUDED AS PART OF BUILDING OCCUPANT LOAD.
- METAL STUD WALL: (20 GA) METAL STUDS @ 16" O.C., U.N.O.
- CMU WALL, SEE STRUCTURAL FOUNDATION PLANS SHEETS (REFERENCE CBC TABLE 721.1 (2) FOR RATING REQUIREMENTS)
- CMU SMOKE BARRIER/ 1 HR FIRE RATED WALL
- SMOKE BARRIER/ 1 HR FIRE RATED WALL

CODE ANALYSIS

CONSTRUCTION TYPE		
TYPE		VB
SPRINKLED WITH FULLY AUTOMATIC FIRE DETECTION AND ALARM SYSTEM WITH VOICE EVACUATION		YES
MAIN OCCUPANCY		E
ANCILLARY OCCUPANCIES		S1, S2, B
MIXED OCCUPANCY SEPARATION TYPE		ACCESSORY
ALLOWABLE BUILDING HEIGHT		
E OCCUPANCY	60'	2 STORY
ALLOWABLE BUILDING AREA		
E OCCUPANCY		28,500 SF
ACCESSORY OCCUPANCY SECTION 508.2		
1ST FLOOR TOTAL BUILDING AREA 8,750 S.F. x 10% = 875 S.F.		
ACCESSORY NOT TO EXCEED 875 TOTAL S.F.		
ROOM	AREA (S.F.)	NOTES
S-2 INERT GAS STORAGE	53	ACCESSORY PER 508.2
S-2 COMPRESSOR	46	ACCESSORY PER 508.2
S-1 DUST	171	ACCESSORY PER 508.2
S-2 MATERIAL STORAGE	386	ACCESSORY PER 508.2
S-2 TOOL STORAGE	142	1 HR SEPARATION FOR USE BELOW STAIR
TOTAL	798 S.F.	< 875 S.F.
2ND FLOOR TOTAL BUILDING AREA 3,937 S.F. x 10% = 394 S.F.		
ACCESSORY NOT TO EXCEED 394 TOTAL S.F.		
ROOM	AREA (S.F.)	NOTES
S-2 STORAGE	81	ACCESSORY PER 311.1-1
TOTAL	81 S.F.	< 394 S.F.
OCCUPANCY ANALYSIS		
ROOM 204: STORAGE		
E OCCUPANCY PER 311.1.1		
ROOM 205: STAFF WORK ROOM		
E OCCUPANCY PER 303.1.2-2 OR 303.1.3		
FIRE RESISTANCE RATING TABLE 601		
PRIMARY STRUCTURAL FRAME		0 HR
BEARING WALLS		
EXTERIOR		0 HR
INTERIOR		0 HR
NON BEARING WALLS & PARTITIONS		
EXTERIOR		0 HR
INTERIOR		0 HR
FLOOR CONSTRUCTION & SECONDARY MEMBERS		0 HR
ROOF CONSTRUCTION & SECONDARY MEMBERS		0 HR



2ND FLOOR - EGRESS PLAN BLDG B
 1/8" = 1'-0"



1ST FLOOR EGRESS PLAN BLDG B
 1/8" = 1'-0"



DSA SUBMITTAL

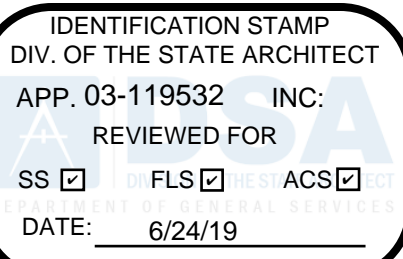


TABLE 2 – ALLOWABLE WALL HEIGHTS^{1,2} FOR NATIONAL GYPSUM 1- and 2 HR I-STUD ASSEMBLIES³

Table with columns: Wall System, Steel thickness (gauge/inch), Deflection, Transverse Design Load (psf) with sub-columns for 5, 7.5, 10, and 15 psf.

For St: 1 inch = 25.4 mm, 1 foot = 305 mm, 1 psf = 48 Pa

1 Allowable heights are based on transverse load tests complying with AC66, dated July 1995, with studs spaced a maximum of 24 inches on center. 2 Limiting height is based on the lesser height of deflection or strength. 3 The hourly ratings indicate that the assemblies described by this table were constructed the same as the hourly fire-rated assemblies described in this report. The fire-rated assemblies were tested at 10 ft. heights as per standards ASTM E119 and UL263.

TABLE 3 – MAXIMUM HORIZONTAL SPANS^{1,2}

Table with columns: I-STUD SIZE AND THICKNESS (Gauge), CORRIDOR CEILINGS AND UNDERSIDE OF STAIRS (with sub-columns for 5/8", 1/2", and 5/8" gypsum board), HORIZONTAL MEMBRANE AND DUCT PROTECTION.

For St: 1 inch = 25.4 mm, 1 foot = 305 mm

1 Calculations based on systems supporting twice their own dead weights and should not be used where there is access to an attic or loft space above, or anywhere where there is any probability of storage above. 2 Spans are based upon a deflection limitation of L/240.

This UL Evaluation Report is not an endorsement or recommendation for use of the subject and/or product described herein. This report is not the UL Listing or UL Classification Report that covers the subject product. The subject product's UL Listing or UL Classification is covered under a separate UL Report. UL disclaims all representations and warranties whether express or implied, with respect to this report and the subject or product described herein.

UL PRODUCT CATEGORY

Assembly Usage Disclaimer

XHBN - Joint Systems

See General Information for Joint Systems

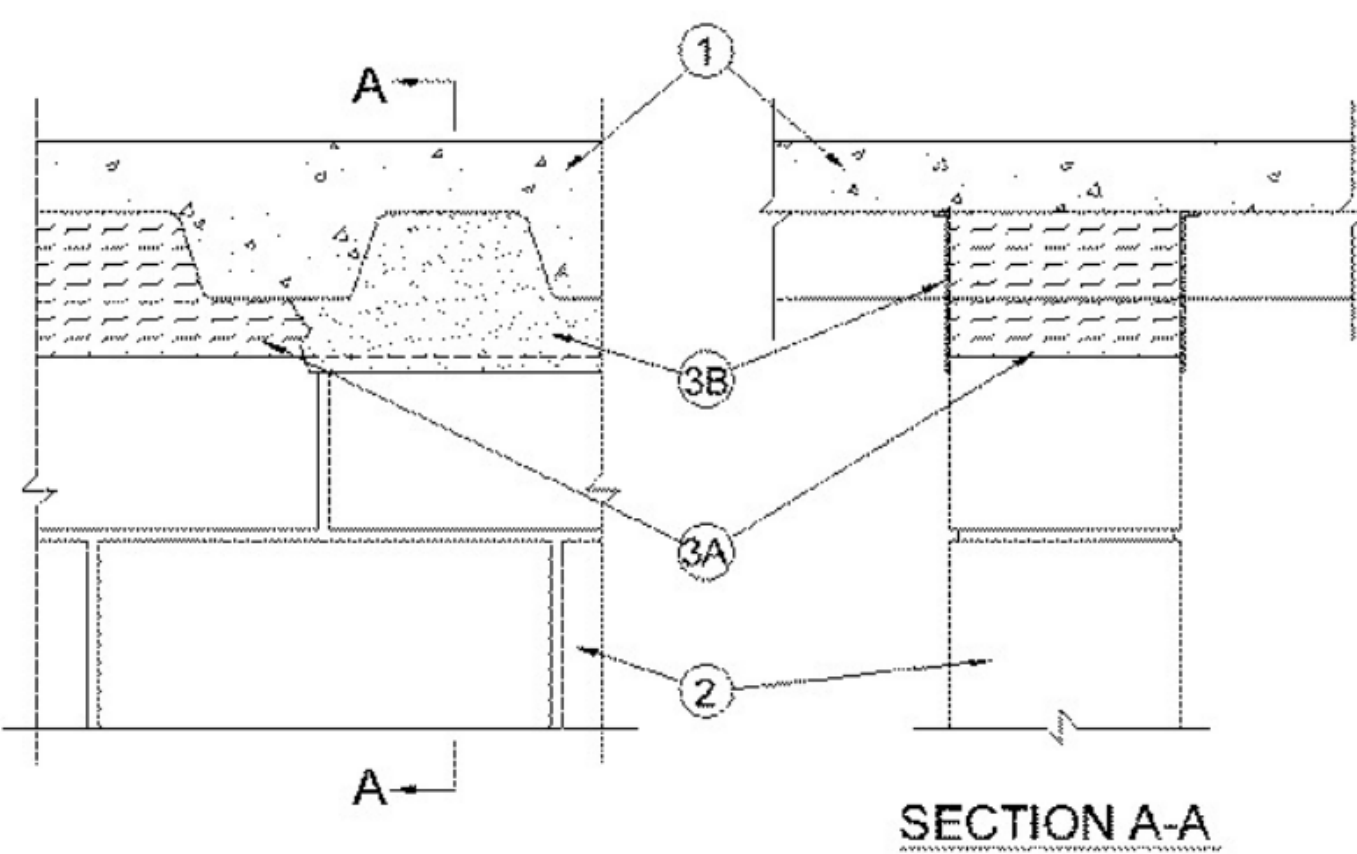
System No. HW-D-0323

June 07, 2010

Assembly Rating — 2 Hr

Nominal Joint Width — 1 In.

Class II and III Movement Capabilities — 12.5% Compression Or Extension



1. Floor Assembly — The fire rated fluted steel unit/concrete floor assembly shall be constructed of the materials and in a manner described in the individual D700 or D900 Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Steel Floor And Form Units* — Max 2 in. deep galv steel fluted floor units.

B. Concrete — Min 2-1/2 in. thick reinforced concrete, as measured from the top plane of the floor units.

C. Spray-Applied Fire Resistive Materials* — (Optional)—(Not Shown)—Prior to the installation of the forming material and fill, void or cavity material (Items 3A, 3B) the steel floor units may be sprayed with the type and thickness of fire resistive material indicated in the individual D700 Series design. GCP APPLIED TECHNOLOGIES INC — Type MK-6-HY

1A. Roof Assembly — (Not Shown) — As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:

A. Steel Roof Deck — Max 2 in. deep galv steel fluted roof deck.

B. Roof Insulation — Min 2-1/4 in. thick poured insulating concrete, as measured from the top plane of the floor units.

1B. Roof Assembly — As an alternate to Items 1 and 1A, a fire rated protected fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:

A. Steel Roof Deck — Max 2 in. deep galv steel fluted roof deck.

B. Spray-Applied Fire Resistive Materials* — (Not Shown)— Prior to the installation of the steel ceiling runners, Forming Material and Fill, Void or Cavity Material (Items 2A, 3A, 3B), the roof assembly shall be sprayed with the type and thickness of fire resistive material indicated in the individual P700 Series design. GCP APPLIED TECHNOLOGIES INC — Type MK-6-HY

2. Wall Assembly — Min 6 in. thick steel-reinforced lightweight or normal weight (100-150 pcf) structural concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

3. Joint System — Max separation between bottom of floor or roof and top of wall at time of installation of joint system is 1 in. The joint system is designed

to accommodate a max 12.5 percent compression or extension from its installed width. The joint system shall consist of the following:

A. Forming Material* — Nom 0.5 pcf density glass fiber batt insulation cut to a length approx equal to the overall thickness of the wall. Multiple pieces stacked on top of each other and inserted into the flutes of the steel deck cut edge first to tightly pack the opening. The glass fiber batt insulation shall be flush with wall surfaces. Additional strips of nom 0.5 pcf glass fiber batt insulation are to be cut to a width equal to thickness of wall assembly, compressed and tightly packed, cut edge first, into the gap between the top of wall and bottom of the steel deck on both sides of the wall. See Batts and Blankets (BKNV) category in the Building Materials Directory for names of manufacturers.

B. Fill, Void or Cavity Material* — Min 1/8 in. wet thickness of fill material sprayed or troweled on each side of the wall to completely cover glass fiber forming material and to overlap a min of 1/2 in. onto wall and steel deck on both sides of wall. When spray-applied fire resistive material* is applied to the steel deck, the fill material is to overlap the wall a min of 1/2 in. and the spray-applied fire resistive material a min of 2 in. on both sides of wall. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP672 Firestop Spray or CFS-SP WB Firestop Joint Spray

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2010-06-07

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials. Authorities Having Jurisdiction should be consulted before construction. Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field. When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction. Only products which bear UL's Mark are considered Certified.

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FILLMORE HIGH SCHOOL - NEW CTE BUILDINGS FILLMORE UNIFIED SCHOOL DISTRICT 555 Central Ave. Fillmore, CA. 93015

Table with columns: ISSUED FOR, SCHEMATIC DESIGN, DESIGN DEVELOPMENT, CONSTRUCTION DOCUMENTS, 50% CD, DSA SUBMITTAL, DSA BACKCHECK, and dates.

REVISIONS:

Table with columns: Description of revision and Date.

REGISTRATION/SIGNATURE:



SHEET TITLE:

UL REPORTS

SHEET NUMBER:

G-5.5

Table with columns: WD PROJ #, DRAWN BY, CHECKED, DATE, 18413, Author, Checker, 05/08/19

DSA SUBMITTAL

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C

PANEL REY S A — Types PRC, PRC2

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop M2TECH ACTIVAir, Gyproc Duraline MR, Gyproc Duraline M2TECH ACTIVAir, Gyproc Duraline M2TECH ACTIVAir

THAI GYPSUM PRODUCTS PCL — Type C

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE CV — Types C, IP-X2, IPC-AR

4N. Wall and Partition Facings and Accessories* — (As an alternate to Item 4) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527

4O. Gypsum Board* — As an alternate to Items 4, 4A, 4B, and 4C — Two layers Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing.

4P. Gypsum Board* — As an alternate to Item 4. For use with Item 3E, Batts and Blankets* — 5/8 in. thick, 4 ft wide, installed as described in Item 4.

UNITED STATES GYPSUM CO — Types ULX

4Q. Gypsum Board* — 3/4 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track as described in Item 4 with screw length increased to min. 1-1/8 in.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-13

4R. Gypsum Board* — As an alternate to Item 4O. For use with Item 3E, Batts and Blankets* — 5/8 in. thick, 4 ft wide, installed as described in Item 4.

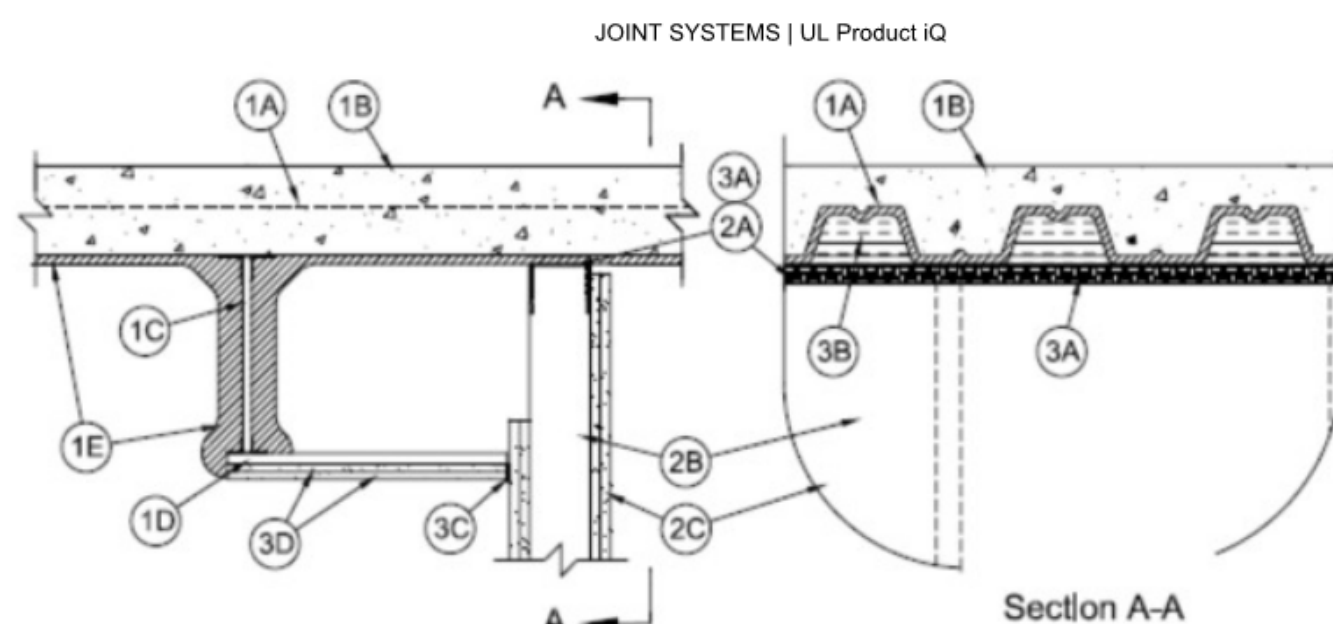
NATIONAL GYPSUM CO — Type FSLX

5. Joint Tape and Compound — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints.

6. Resilient Channel — (Optional, Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long Type 5-12 pan head steel screws.

6A. Steel Framing Members* — (Not Shown) — As an alternate to Item 6, furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs.



1. Floor Assembly — The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 or D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Steel Floor And Floor Units* — Max 3 in. (76 mm) deep galv steel fluted floor units.

B. Concrete — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

C. Structural Steel Support — Steel beam, as specified in the individual D700 or D900 Series Floor-Ceiling Design, used to support steel floor units. Structural steel support oriented parallel to and 1 to 1 1/2 in. (25 to 178 mm) from wall assembly.

D. Steel Attachment Clips — Z-shaped clips formed from 1 in. (25 mm) wide strips of min 20 ga galv steel. Clips to be sized to extend through the thickness of the spray-applied fire-resistive material on the bottom flange of the steel beam with 1-1/2 in. (38 mm) long upper and lower legs.

E. Spray-Applied Fire Resistive Material* — After installation of the steel attachment clips, structural steel support and the steel floor units to be sprayed with the min thickness of material specified in the individual D700 Series Design. The flutes of the steel floor units are to be filled with material across the entire top flange of the steel beam.

GCP APPLIED TECHNOLOGIES INC — Type MK 6/HY

1A. Roof Assembly — (Not Shown) — As an alternate to the floor assembly, a fire-rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 or P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The roof assembly shall include the following construction features:

A. Steel Roof Deck — Max 3 in. (76 mm) deep galv steel fluted roof deck.

B. Roof Insulation — Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the roof deck.

C. Spray-Applied Fire Resistive Material* — After installation of the steel attachment clips, structural steel support and the steel deck to be sprayed with the min thickness of material specified in the individual P700 or P900 Series Design. The flutes of the steel deck are to be filled with material across the entire top flange of the steel beam.

GCP APPLIED TECHNOLOGIES INC — Type MK 6/HY

PAC INTERNATIONAL L L C — Types R5IC-1, R5IC-1 (2.75)

b. Framing Members* — Used to attach furring channels (Item a) to studs (Item 2). Clips spaced 48 in. OC, and secured to studs with 5/8 in. wide or less head Type 5 steel screw through the center grommet.

6B. Framing Members* — (Not Shown) — (Optional on one or both sides) — As an alternate to Item 6, furring channel and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs.

b. Steel Framing Members* — Used to attach furring channels (Item 6Ba) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, 5-12 steel screw through the center grommet.

PLITEC INC — Type Genie Clip

6C. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b.

b. Steel Framing Members* — Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC, and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole.

STUCCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips — Type A237R

6D. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6Db.

b. Steel Framing Members* — Used to attach furring channels (Item 6Da) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole.

STUCCO BUILDING SYSTEMS — Type SonuClip

7. Wall and Partition Facings and Accessories* — (Optional, Not Shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510

8. Mineral and Fiber Board* — (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide mineral panel and centered over studs.

HOMASOTE CO — Homasote Type 440-32

9. Lead Batten Strips — (Not Shown, For Use With Item 4E) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in.

9A. Lead Batten Strips — (Not Shown, For Use With Item 4J) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in.

specification QQ-1-2017, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4J) and optional at remaining stud locations.

10. Lead Discs or Tabs — (Not Shown, For Use With Item 4E) — Used in lieu of or in addition to the lead batten strips (Item 9) or optional at other locations.

10A. Lead Discs — (Not Shown, For Use With Item 4J) — Max 5/16 in. diam by max 0.140 in. thick lead disc compression fitted or adhered over steel screw heads.

11. Adhesive — Not Shown — (For use with Item 8) — Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in. wide beads double the length of both vertical edges of Mineral and Fiber Board (Item 8).

12. Wall and Partition Facings and Accessories* — (Optional, Not Shown) — For use with Items 1 to 11, Items 2 to 23, Item 3, Items 4 to 4J, Item 5 and Item 6. For maximum fire rating of 1 hour.

MSL — Reflexor membrane, SONOpan panel

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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XHBN.HW-D-0582 - JOINT SYSTEMS

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XHBN - Joint Systems

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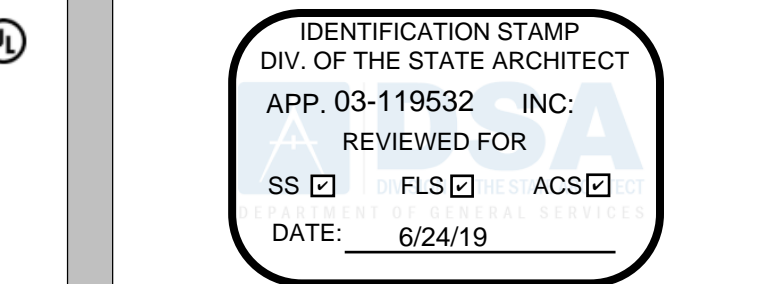
See General Information for Joint Systems

See General Information for Joint Systems Certified for Canada

System No. HW-D-0582

January 30, 2018

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WESTGROUP DESIGNS ARCHITECTURE | PLANNING | INTERIOR DESIGN

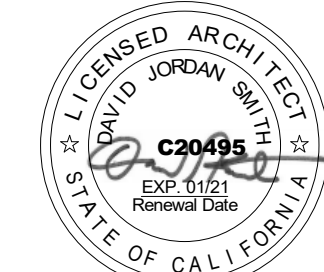
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