

SAN MATEO FOSTER CITY SCHOOL DISTRICT FACILITIES DEVELOPMENT

1410 South Amphlett Blvd., San Mateo, CA 94402
Office (650) 312-7690 FAX (650) 312-7696

GEORGE HALL MPR AND SUPPORT ROOMS PROJECT #19-143

ADDENDUM NO. 2

Date: November 19, 2021

Project: #19-143 George Hall MPR and Support Rooms Project
DSA #: 01-119574 41-26

Owner: San Mateo Foster City School District
1170 Chess Drive
Foster City, CA 94404

Notice is hereby given to all prospective bidders that plans and specifications on the subject project are modified as hereinafter set forth. This addendum shall be attached to and form a part of the plans and specifications. All bidders must acknowledge receipt of this addendum on the Bid Form. In case of difference with previous addenda or communications, this addendum takes precedence.

It is the responsibility of all bidders to notify all subcontractors from whom they request bids and from whom they accept bids of all changes contained in this addendum.

Reminder Bid Date December 2, 2021 at 2:00pm. At the District Office 1170 Chess Dr. Foster City, CA 94404.

2.1 Specification Revisions

1. SPECIFICATION SECTION 08 33 23.20 – 2.03-A

The following specification section is hereby re issued, with these changes:

- A. Revise galvanized finish to factory applied Powder Coat Finish from Standard RAL color selection from Manufacturer.

2. SPECIFICATION SECTION 08 54 23.20 – 2.03-A

The following specification section is hereby re issued, with these changes:

- A. Delete paragraph 1.04 of Specification section 08 71 00.

2.2 Drawings Revisions

1. SHEET 'C2.1 – SITE IMPROVEMENT PLAN'
The following drawing is hereby re issued, with this change:
A. Clarified Planter on with Section and added notes.
2. SHEET 'C2.2 – SITE PAVING MAINTENANCE PLAN'
The following drawing is hereby re issued, with this change:
A. Paving notes 2 & 3 revised.
3. SHEET 'C3.1 – GRADING PLAN'
The following drawing is hereby re issued, with these changes:
A. Revised several spot elevations, and stair riser heights.
4. SHEET 'C3.1 – UTILITY PLAN'
The following drawing is hereby re issued, with these changes:
A. Revised drain inlet heights at Turf area.
5. SHEET 'C2.1 – SITE IMPROVEMENT PLAN'
The following drawing is hereby re issued, with this change:
A. Revised paving note on detail 8/C5.1.
6. SHEET 'L0.1 – SITE PLAN'
The following drawing is hereby re issued with these following changes:
A. Color information changed for various items under Site Legend.
B. Added conc. curbs at various locations.
7. SHEET 'L4.2 – LANDSCAPE CONSTRUCTION AND PLANTING DETAILS'
The following drawing is hereby re issued with this following change:
A. Revisions made to detail 4 & 6.
8. SHEET 'A1.4– SITE - ENLARGED PLANS, DETAILS'
The following drawing is hereby re issued with the following change:
A. Changed a detail reference callout, eliminated detail 2/A1.4 Gate elevation.
9. SHEET 'A2.1- FLOOR PLAN'
The following drawing is hereby re issued with this following change:
A. Added Keynote '08.03 OVERHEAD ROLL UP DOR, INSULATED, PAINTED W/
RAL COLOR FROM SUCTOM COLOR SHART TO BEST MATCH EP4' on Plan and
Sheet Border.
B. Changed partition types callouts at Proscenium wall.

10. SHEET 'A2.2– SLAB PLAN'

The following drawing is hereby re issued with the following change:

B. Added General note #1.

11. SHEET 'A2.3 – FINISH / SIGNAGE PLAN AND FINISH SCHEDULE'

The following drawing is hereby re issued with the following change:

A. Revised various finish changes.

12. SHEET 'A3.1– REFLECTED CEILING PLAN / ROOF PLAN'

The following drawing is hereby re issued with the following change:

A. Revised Note for roller shade, added dimensions for light fixture placement.

13. SHEET 'A5.1 –EXTERIOR ELEVATIONS'

The following drawing is hereby re issued with the following change:

A. Added paint info on Keynote 05.01.

B. Added Roll up door Keynote 08.03.

14. SHEET 'A6.1 – BUILDING SECTIONS'

The following drawing is hereby re issued with the following change:

A. Added some dimension for placement of lights.

15. SHEET 'A7.1 – ENLARGED PLANS'

The following drawing is hereby re issued with the following change:

A. Added some layout dimensions to 06/A7.1.

16. SHEET 'A9.1 – DOOR SCHEDULE, WINDOW SCHEDULE'

The following drawing is hereby re issued with the following change:

A. Revised paint color identifications for doors / door frames.

17. SHEET 'A10.11– SITE AND GATE DETAILS'

The following drawing is hereby re issued with the following change:

A. Added notes to details 04 & 14.

18. SHEET 'A10.32 – WINDOW / WALL OPENING DETAILS'

The following drawing is hereby re issued with the following change:

A. Revised detail with backing and insulation for window brake shape.

19. SHEET 'A10.33 – DOOR / WALL OPENING DETAILS'

The following drawing is hereby re issued with the following change:

A. Added door frame mounting details 03 & 04/A10.33.

20. SHEET 'A10.51 – INTERIOR PARTITION TYPES'

The following drawing is hereby re issued with the following change:

A. Revised detail 11 with wall furring and wall paneling info.

21. SHEET 'A10.61 – INTERIOR WALL DETAILS'

The following drawing is hereby re issued with the following change:

- A. Revised details 01 & 06 notes and dimensions.
- B. Added Wall paneling detail at proscenium opening, detail 08.

22. SHEET 'S1.0– STRUCTURAL GENERAL NOTES'

The following drawing is hereby re issued with the following change:

- A. Eliminated sheet note – Steel 'I'.

23. SHEET 'S2.1– FOUNDATION PLAN'

The following drawing is hereby re issued with the following change:

- A. Changed indicated shear wall length at proscenium wall.

24. SHEET 'S8.5– WOOD DETAILS'

The following drawing is hereby re issued with the following change:

- A. Revised detail 3/S8.5 and 5/S8.5.

25. SHEET 'M0.12 – MECHANICAL DETAILS

The following drawing is hereby re issued with the following change:

- A. Details 3, 4, 5, 6 & 7 have been added to this sheet.

26. SHEET 'M2.11– MECHANICAL FLOOR PLAN'

The following drawing is hereby re issued with the following change:

- A. Added detail callouts to Plan.

27. SHEET 'M8.11– MECHANICAL CONTROLS

The following drawing is hereby re issued with the following change:

- A. Revised Mechanical Controls.

28. SHEET 'M8.12– MECHANICAL CONTROLS

The following drawing is hereby issued:

- A. Added Sheet A8.12.

29. SHEET 'E3.01– ELECTRICAL LIGHTING PLAN – 1ST FLOOR

The following drawing is hereby re issued, with the following change:

- A. Revised light fixture type.

30. SHEET 'E6.01– ELECTRICAL SCHEDULES'

The following drawing is hereby re issued, with the following change:

- A. Light fixture schedule and Branch panel info has been updated due to light fixture change.

31. SHEET 'T24.1 – TITLE 24 COMPLIANCE'

The following drawing is hereby re issued:

- A. Due to light fixture change the Title 24 forms had to be updated.

32. SHEET 'T24.2 – TITLE 24 COMPLIANCE'

The following drawing is hereby re issued:

B. Due to light fixture change the Title 24 forms had to be updated.

33. SHEET 'T24.3 – TITLE 24 COMPLIANCE'

The following drawing is hereby re issued:

C. Due to light fixture change the Title 24 forms had to be updated.

34. SHEET 'T2.10 – TECHNOLOGY FLOOR PLANS'

The following drawing is hereby re issued, with the change:

A. Clarification to Clock Bell Unit.

35. SHEET 'FP2.11 – FIRE SPRINKLER PIPING PLAN'

The following drawing is hereby re issued with the following change:

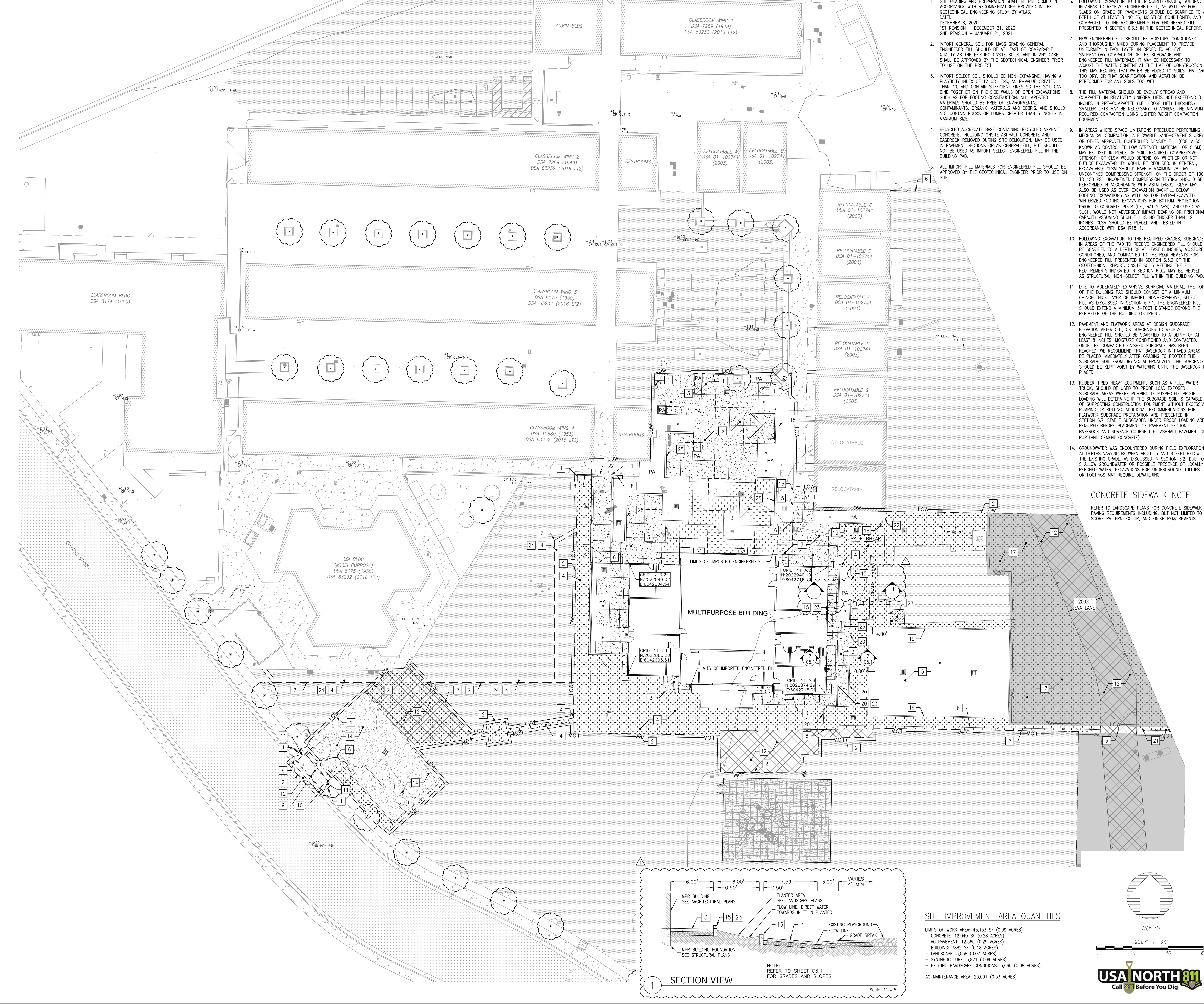
A. Fire Sprinkler piping plan detail 2/- has been updated to align with approach / information shown on 01/G1.1.

Attachments:

35 Drawing sheets : C2.1, C2.2, C3.1, C4.1, C5.1, L0.1, L4.2, A1.4, A2.1, A2.2, A2.3, A3.1, A5.1, A6.1, A7.1, A9.1, A10.11, A10.32, A10.33, A10.51, A10.61, S1.0, S2.1, S8.5, M0.12, M2.11, M8.11, M8.12, E3.01, E6.01, T24.1, T24.2, T24.3, T2.10, FS2.11

End of Addendum

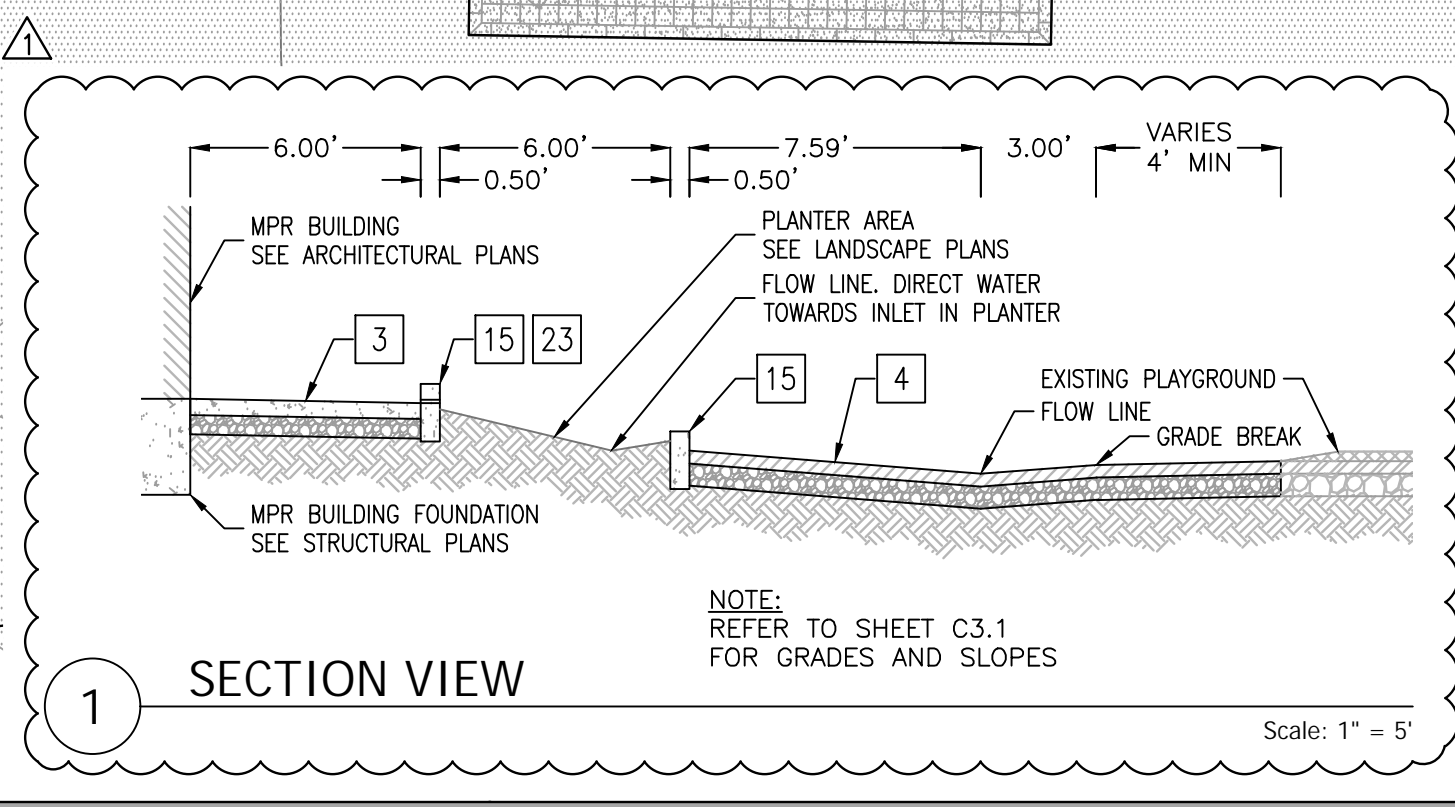
THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.



- ### GEOTECHNICAL NOTES
1. SITE GRADING AND PREPARATION SHALL BE PREFORMED IN ACCORDANCE WITH RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL ENGINEERING STUDY BY ATLAS.
 2. IMPORT GENERAL SOIL FOR MASS GRADING GENERAL ENGINEERED FILL SHOULD BE AT LEAST OF COMPARABLE QUALITY AS THE EXISTING ONSITE SOILS, AND IN ANY CASE SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO USE ON THE PROJECT.
 3. IMPORT SELECT SOIL SHOULD BE NON-EXPANSIVE, HAVING A PLASTICITY INDEX OF 12 OR LESS, AN R-VALUE GREATER THAN 40, AND CONTAIN SUFFICIENT FINES SO THE SOIL CAN BIND TOGETHER ON THE SIDE WALLS OF OPEN EXCAVATIONS SUCH AS FOR FOOTING CONSTRUCTION. ALL IMPORTED MATERIALS SHOULD BE FREE OF ENVIRONMENTAL CONTAMINANTS, ORGANIC MATERIALS AND DEBRIS, AND SHOULD NOT CONTAIN ROCKS OR LUMPS GREATER THAN 3 INCHES IN MAXIMUM SIZE.
 4. RECYCLED AGGREGATE BASE CONTAINING RECYCLED ASPHALT CONCRETE, INCLUDING ONSITE ASPHALT CONCRETE AND BASEROCK REMOVED DURING SITE DEMOLITION, MAY BE USED IN PAVEMENT SECTIONS OR AS GENERAL FILL, BUT SHOULD NOT BE USED AS IMPORT SELECT ENGINEERED FILL IN THE BUILDING PAD.
 5. ALL IMPORT FILL MATERIALS FOR ENGINEERED FILL SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO USE ON SITE.
 6. FOLLOWING EXCAVATION TO THE REQUIRED GRADES, SUBGRADES IN AREAS TO RECEIVE ENGINEERED FILL, AS WELL AS FOR SUBSIDIARY ON-GRADE OR PAVEMENTS SHOULD BE SCARIFIED TO A DEPTH OF AT LEAST 8 INCHES; MOISTURE CONDITIONED, AND COMPACTED TO THE REQUIREMENTS FOR ENGINEERED FILL PRESENTED IN SECTION 6.3.3 IN THE GEOTECHNICAL REPORT.
 7. NEW ENGINEERED FILL SHOULD BE MOISTURE CONDITIONED AND THOROUGHLY MIXED DURING PLACEMENT TO PROVIDE UNIFORMITY IN EACH LAYER. IN ORDER TO ACHIEVE SATISFACTORY COMPACTION OF THE SUBGRADE AND ENGINEERED FILL MATERIALS, IT MAY BE NECESSARY TO ADJUST THE WATER CONTENT AT THE TIME OF CONSTRUCTION. THIS MAY REQUIRE THAT WATER BE ADDED TO SOILS THAT ARE TOO DRY, OR THAT SCARIFICATION AND AERATION BE PERFORMED FOR ANY SOILS TOO WET.
 8. THE FILL MATERIAL SHOULD BE EVENLY SPREAD AND COMPACTED IN RELATIVELY UNIFORM LIFTS NOT EXCEEDING 8 INCHES IN PRE-COMPACTED (I.E. LOOSE LIFT) THICKNESS. SMALLER LIFTS MAY BE NECESSARY TO ACHIEVE THE MINIMUM REQUIRED COMPACTION USING LIGHTER WEIGHT COMPACTION EQUIPMENT.
 9. IN AREAS WHERE SPACE LIMITATIONS PRECLUDE PERFORMING MECHANICAL COMPACTION, A FLOWABLE SAND-CEMENT SLURRY OR OTHER APPROVED CONTROLLED DENSITY FILL (CDF; ALSO KNOWN AS CONTROLLED LOW STRENGTH MATERIAL OR CLSM) MAY BE USED IN PLACE OF SOIL. REQUIRED COMPRESSION STRENGTH OF CLSM WOULD DEPEND ON WHETHER OR NOT FUTURE EXCAVATABILITY WOULD BE REQUIRED. IN GENERAL, EXCAVATABLE CLSM SHOULD HAVE A MAXIMUM 28-DAY UNCONFINED COMPRESSION STRENGTH ON THE ORDER OF 100 TO 150 PSI. UNCONFINED COMPRESSION TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH ASTM D4632. CLSM MAY ALSO BE USED AS OVER-EXCAVATION BACKFILL BELOW FOOTING EXCAVATIONS AS WELL AS FOR OVER-EXCAVATED WINTERIZED FOOTING EXCAVATIONS FOR BOTTOM PROTECTION PRIOR TO CONCRETE POUR (I.E., FAT SLABS), AND USED AS SUCH, WOULD NOT ADVERSELY IMPACT BEARING OR FRICTIONAL CAPACITY ASSUMING SUCH FILL IS NO THICKER THAN 12 INCHES. CLSM SHOULD BE PLACED AND TESTED IN ACCORDANCE WITH DSA IR18-1.
 10. FOLLOWING EXCAVATION TO THE REQUIRED GRADES, SUBGRADES IN AREAS OF THE PAD TO RECEIVE ENGINEERED FILL SHOULD BE SCARIFIED TO A DEPTH OF AT LEAST 8 INCHES; MOISTURE CONDITIONED, AND COMPACTED TO THE REQUIREMENTS FOR ENGINEERED FILL PRESENTED IN SECTION 6.3.2 OF THE GEOTECHNICAL REPORT. ONSITE SOILS MEETING THE FILL REQUIREMENTS INDICATED IN SECTION 6.3.2 MAY BE REUSED AS STRUCTURAL, NON-SELECT FILL WITHIN THE BUILDING PAD.
 11. DUE TO MODERATELY EXPANSIVE SURFICIAL MATERIAL, THE TOP OF THE BUILDING PAD SHOULD CONSIST OF A MINIMUM 6-INCH THICK LAYER OF IMPORT, NON-EXPANSIVE, SELECT FILL AS DISCUSSED IN SECTION 6.7.1. THE ENGINEERED FILL SHOULD EXTEND A MINIMUM 3-FOOT DISTANCE BEYOND THE PERIMETER OF THE BUILDING FOOTPRINT.
 12. PAVEMENT AND FLATWORK AREAS AT DESIGN SUBGRADE ELEVATION AFTER CUT, OR SUBGRADES TO RECEIVE ENGINEERED FILL SHOULD BE SCARIFIED TO A DEPTH OF AT LEAST 8 INCHES; MOISTURE CONDITIONED AND COMPACTED. ONCE THE COMPACTED FINISHED SUBGRADE HAS BEEN REACHED, WE RECOMMEND THAT BASEROCK IN PAVED AREAS BE PLACED IMMEDIATELY AFTER GRADING TO PROTECT THE SUBGRADE SOIL FROM DRYING. ALTERNATIVELY, THE SUBGRADE SHOULD BE KEPT MOIST BY WATERING UNTIL THE BASEROCK IS PLACED.
 13. RUBBER-TIRED HEAVY EQUIPMENT, SUCH AS A FULL WATER TRUCK, SHOULD BE USED TO PROOF LOAD EXPOSED SUBGRADE AREAS WHERE PUMPING IS SUSPECTED. PROOF LOADING WILL DETERMINE IF THE SUBGRADE SOIL IS CAPABLE OF SUPPORTING CONSTRUCTION EQUIPMENT WITHOUT EXCESSIVE PUMPING OR RUTTING. ADDITIONAL RECOMMENDATIONS FOR FLATWORK SUBGRADE PREPARATION ARE PRESENTED IN SECTION 6.7. STABLE SUBGRADES UNDER PROOF LOADING ARE REQUIRED BEFORE PLACEMENT OF PAVEMENT SECTION BASEROCK AND SURFACE COURSE (I.E., ASPHALT PAVEMENT OR PORTLAND CEMENT CONCRETE).
 14. GROUNDWATER WAS ENCOUNTERED DURING FIELD EXPLORATION AT DEPTHS VARYING BETWEEN ABOUT 3 AND 8 FEET BELOW THE EXISTING GRADE, AS DISCUSSED IN SECTION 3.2. DUE TO SHALLOW GROUNDWATER OR POSSIBLE PRESENCE OF LOCALLY PERCHED WATER, EXCAVATIONS FOR UNDERGROUND UTILITIES OR FOOTINGS MAY REQUIRE Dewatering.

CONCRETE SIDEWALK NOTE

REFER TO LANDSCAPE PLANS FOR CONCRETE SIDEWALK PAVING REQUIREMENTS INCLUDING, BUT NOT LIMITED TO SCORE PATTERN, COLOR, AND FINISH REQUIREMENTS.



SITE IMPROVEMENT AREA QUANTITIES

LIMITS OF WORK AREA: 43,153 SF (0.99 ACRES)	
- CONCRETE:	12,040 SF (0.28 ACRES)
- AC PAVEMENT:	12,565 (0.29 ACRES)
- BUILDING:	7882 SF (0.18 ACRES)
- LANDSCAPE:	3,038 (0.07 ACRES)
- SYNTHETIC TURF:	3,871 (0.09 ACRES)
- EXISTING HARDSCAPE CONDITIONS:	3,666 (0.08 ACRES)
AC MAINTENANCE AREA: 23,091 (0.53 ACRES)	

AGENCY APPROVAL:
DSA # 01-119574
FILE # 41-26

SAN MATEO FOSTER CITY
SCHOOL DISTRICT
1170 CHESS DR.,
FOSTER CITY, CA 94404

HMC Architects

3542004-100

333 W. SAN CARLOS STREET, #750
SAN JOSE, CA 95110
408.977.9160 / www.hmcarchitects.com

ISSUE

DESCRIPTION	DATE
1 ADDENDUM 02	11/19/2021

C2G CIVIL CONSULTANTS GROUP, INC.
Engineers/Planners
4444 Scotts Valley Drive / Ste 6
Scotts Valley, CA 95066
(831) 438-4420 F (831) 438-5829

SITE IMPROVEMENT KEY NOTES

X

1. MATCH CONCRETE AT SAWCUT LINE
2. MATCH AC PAVEMENT AT SAWCUT LINE
3. CONCRETE SIDEWALK (SEE LANDSCAPE PLANS)
4. STANDARD AC PAVEMENT (SEE DETAIL 1, SHEET C5.1)
5. TURF AREA (SEE LANDSCAPE PLANS)
6. FENCE AND GATE (SEE ARCHITECTURAL PLANS)
7. TRASH ENCLOSURE (SEE ARCHITECTURAL PLANS)
8. CONCRETE CURB & GUTTER (SEE DETAIL 4, SHEET C5.1)
9. CITY OF SAN MATEO STANDARD COMMERCIAL DRIVEWAY APPROACH (SEE CITY DETAIL 148 ON SHEET C5.1)
10. CITY OF SAN MATEO TYPICAL SECTION OF TYPE "A" CURB, GUTTER, AND SIDEWALK (SEE CITY DETAIL 141A ON SHEET C5.1)
11. CITY OF SAN MATEO MISCELLANEOUS DETAILS CURB, GUTTER, AND SIDEWALK (SEE CITY DETAIL 141C ON SHEET C5.1)
12. HEAVY DUTY AC PAVEMENT WITHIN EVA LANE (SEE DETAIL 2 ON SHEET C5.1)
13. WOOD HEADER (SEE DETAIL 5 ON SHEET C5.1)
14. VEHICULAR CONCRETE (SEE LANDSCAPE PLANS)
15. CONCRETE VERTICAL CURB (SEE DETAIL 4, SHEET C5.1)
16. CONCRETE CURB TAPER (SEE DETAIL 6, SHEET C5.1)
17. AC PAVEMENT MAINTENANCE AREA. SEE SHEET C2.2 FOR ENTIRE PAVEMENT MAINTENANCE AREA (SEE DETAIL 8, SHEET C5.1)
18. SHADE STRUCTURE (SEE LANDSCAPE PLANS)
19. 6" CONCRETE BAND (SEE LANDSCAPE PLANS)
20. 6" WIDE DEEPEENED CURB (SEE DETAIL 7, SHEET C5.1)
21. CONTRACTOR SHALL COORDINATE FENCE POST FOOTING LOCATIONS DUE TO EXISTING 60" STORM DRAIN PIPE ELEVATION AND LOCATION
22. CONCRETE FLUSH CURB (SEE DETAIL 4, SHEET C5.1)
23. INSTALL 1" DIAMETER WEEP HOLES EVERY 5' FOR DRAINAGE
24. UTILITY TRENCH FOR UTILITIES OUTSIDE CIVIL SCOPE. SEE ELECTRICAL AND TECHNOLOGY PLANS FOR EXACT ROUTING OF UNDERGROUND UTILITIES. CONTRACTOR SHALL MATCH EXISTING ELEVATIONS
25. CONCRETE SEATWALL (SEE LANDSCAPE PLANS)
26. CONCRETE STAIRS AND HANDRAILS (SEE LANDSCAPE PLANS)
27. RELOCATED EXISTING ACCESSIBLE PLAYMAT RAMP

LEGEND

EXISTING CONCRETE TO REMAIN

EXISTING AC PAVEMENT TO REMAIN

EXISTING PLAYMAT

AC PAVEMENT

HEAVY DUTY AC PAVEMENT

AC PAVEMENT MAINTENANCE (23,091 SF)

CONCRETE SIDEWALK

LIMITS OF WORK (EXCLUDING PAVEMENT MAINTENANCE)

SAWCUT LINE

CONCRETE CURB & GUTTER

CONCRETE CURB

WOOD HEADER

FACILITY:

130 SAN MIGUEL WAY
SAN MATEO, CA 94403

PROJECT:
GEORGE HALL ES - MULTIPURPOSE BUILDING

SHEET NAME:
SITE IMPROVEMENT PLAN

DATE: 10.04.2021

PROJ NO: 3542-004

SHEET:

USA NORTH 811
Call 811 Before You Dig

Scale: 1" = 20'

0 20 40 60

PLEASE RECYCLE

C2.1

THE LINE SHOWN ABOVE IS EXACTLY ONE FOOT LONG AT THE SCALE OF THE DRAWING



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333 W. SAN CARLOS STREET, #750
SAN JOSE, CA 95110
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4444 Spotts Valley Drive / Ste 6
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T (831) 438-4420 F (831) 438-5829

LEGEND

	EXISTING CONCRETE TO REMAIN
	EXISTING AC PAVEMENT TO REMAIN
	EXISTING PLAYMAT
	AC PAVEMENT
	HEAVY DUTY AC PAVEMENT
	CONCRETE SIDEWALK

FACILITY:

130 SAN MIGUEL WAY
SAN MATEO, CA 94403

PROJECT:

GEORGE HALL ES - MULTIPURPOSE BUILDING

SHEET NAME:

GRADING PLAN

DSA BACKCHECK

DATE: 10.04.2021

PROJ NO: 3542-004

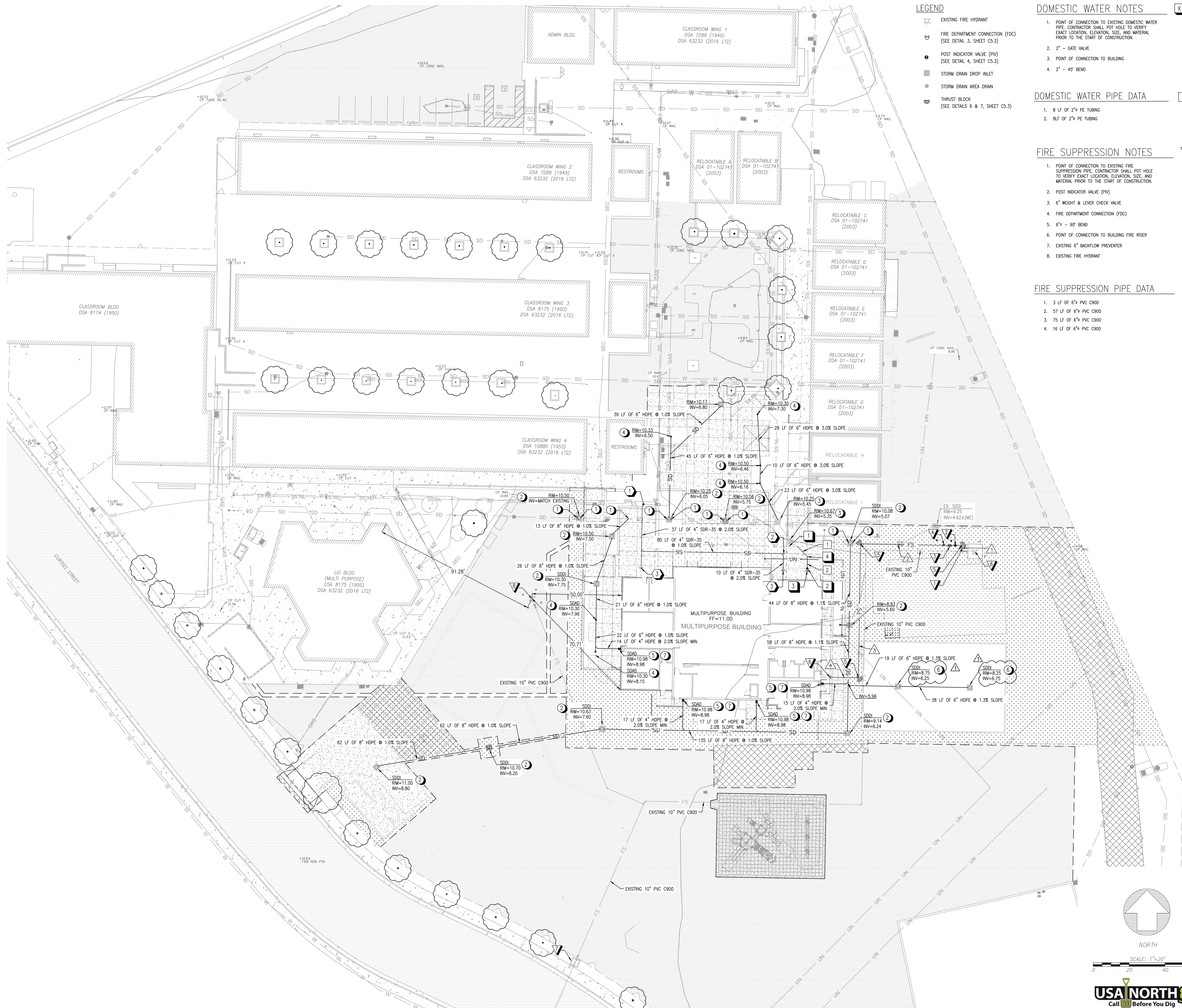
SHEET:

USA NORTH 811







Call 811 Before You Dig

PLEASE RECYCLE

C3.1



LEGEND

- | | |
|---|--|
|  | EXISTING FIRE HYDRANT |
|  | FIRE DEPARTMENT CONNECTION (FDC)
(SEE DETAIL 3, SHEET C5.3) |
|  | POST INDICATOR VALVE (PIV)
(SEE DETAIL 4, SHEET C5.3) |
|  | STORM DRAIN DROP INLET |
|  | STORM DRAIN AREA DRAIN |
|  | THRUST BLOCK
(SEE DETAILS 6 & 7, SHEET C5.3) |

DOMESTIC WATER NOTES

1. POINT OF CONNECTION TO EXISTING DOMESTIC WATER PIPE. CONTRACTOR SHALL POT HOLE TO VERIFY EXACT LOCATION, ELEVATION, SIZE, AND MATERIAL PRIOR TO THE START OF CONSTRUCTION.
2. 2" - GATE VALVE
3. POINT OF CONNECTION TO BUILDING
4. 2" - 45° BEND

DOMESTIC WATER PIPE DATA

1. 8 LF OF 2"Ø PE TUBING
2. 8LF OF 2"Ø PE TUBING

FIRE SUPPRESSION NOTES

1. POINT OF CONNECTION TO EXISTING FIRE SUPPRESSION PIPE. CONTRACTOR SHALL POT HOLE TO VERIFY EXACT LOCATION, ELEVATION, SIZE, AND MATERIAL. PRIOR TO THE START OF CONSTRUCTION
2. POST INDICATOR VALVE (PIV)
3. 6" WEIGHT & LEVER CHECK VALVE
4. FIRE DEPARTMENT CONNECTION (FDC)
5. 6" - 90° BEND
6. POINT OF CONNECTION TO BUILDING FIRE RISER
7. EXISTING 6" BACKFLOW PREVENTER
8. EXISTING FIRE HYDRANT

FIRE SUPPRESSION PIPE DATA

1. 3 LF OF 6"Ø PVC C900
2. 57 LF OF 6"Ø PVC C900
3. 75 LF OF 6"Ø PVC C900
4. 16 LF OF 6"Ø PVC C900

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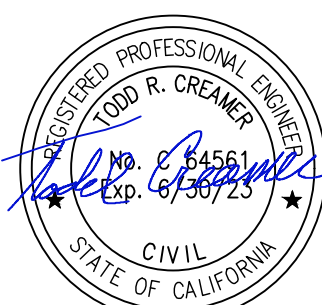
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Engineers/Planners
4444 Scotts Valley Drive / Ste 6
Scotts Valley, CA 95066
T (831) 438-4420 F (831) 438-5829



STORM DRAIN NOTES

1. POINT OF CONNECTION TO EXISTING STORM DRAIN DROP INLET. CONTRACTOR SHALL NOT VERIFY EXACT LOCATION, ELEVATION, AND MATERIAL PRIOR TO THE START OF CONSTRUCTION
2. V64 STORM DRAIN DROP INLET
3. ADJUST EXISTING V64 RIM ELEVATION
4. 8" STORM DRAIN AREA DRAIN
5. POINT OF CONNECTION TO DOWNSPOUT
6. V64 STORM DRAIN DROP INLET UNDER SYNTHETIC TURF AT TOP OF SUBGRADE
7. V9 STORM DRAIN DROP INLET

SAN. SEWER NOTES

1. POINT OF CONNECTION TO EXISTING SANITARY SEWER
CLEANOUT. CONTRACTOR SHALL VERIFY EXACT
LOCATION, DEPTH, SIZE & MATERIAL PRIOR TO
CONSTRUCTION.
2. SANITARY SEWER CLEANOUT
3. POINT OF CONNECTION TO BUILDING SEWER LATERAL

UTILITY NOTE

UTILITIES SHOWN HEREON ARE BASED ON SURFACE OBSERVATIONS AND STANDARD ELECTROMAGNETIC LOCATING (EML) METHODS. A DILIGENT EFFORT WAS MADE TO FIND AND MAP ANY AND ALL UNDERGROUND UTILITIES; HOWEVER, DUE TO TECHNICAL REASONS, NO GUARANTEE, EXPRESSED OR IMPLIED, CAN BE MADE. CONTRACTOR SHALL USE APPROPRIATE MEANS TO PERFORM THEIR WORK WITHOUT DAMAGE TO EXISTING UTILITIES.

FACILITY

130 SAN MIGUEL WAY
SAN MATEO, CA 94403

PROJECT:
GEORGE HALL ES - MULTIPURPOSE BUILDING

SHEET NAME:
UTILITY PLAN

DSA BACKCHECK

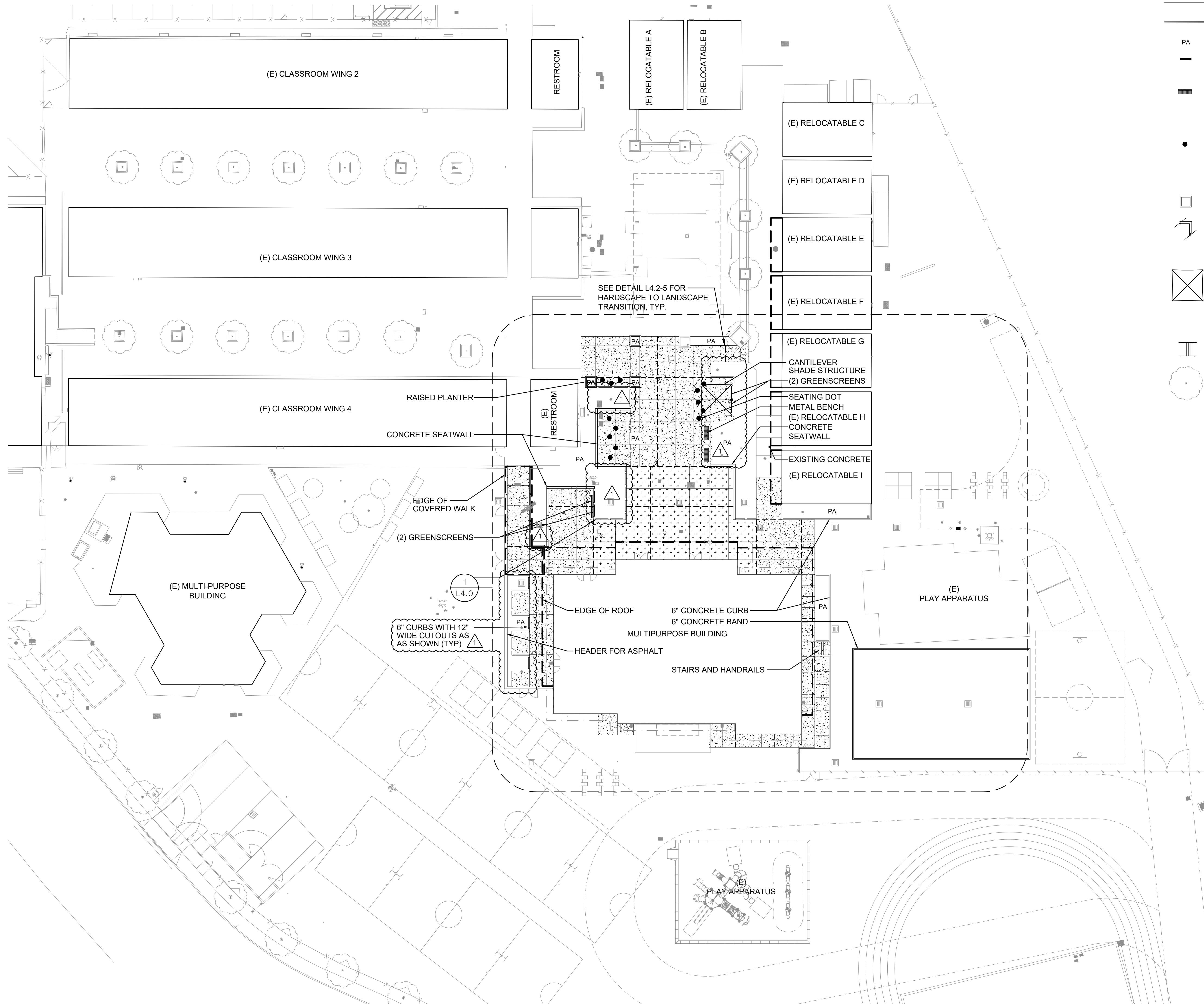
DATE: 10.04.2021

PROJ NO: 3542-00

SHEET:

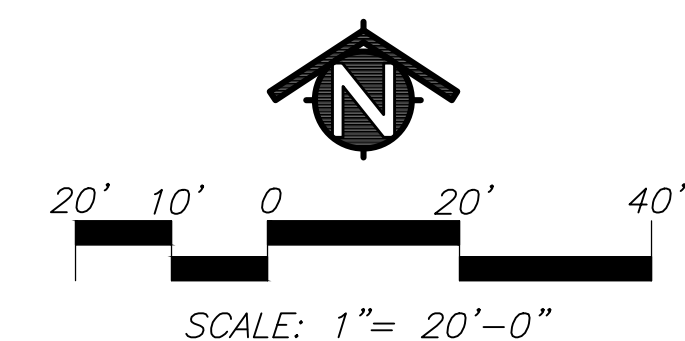
C4.1

FILE LINE SHOWN ABOVE IS
DATE: 10/04/2021
SHEET: 001 OF 001



KEY	SITE LEGEND
	CONCRETE PAVING COLOR: NO COLOR FINISH: BROOM
	EXPANSION JOINT
	SCORE JOINT
	CONCRETE PAVING COLOR: DAVIS COLOR - #8804 GULFIDE BROWN NO COLOR FINISH: BROOM
	EDGING FOR ASPHALT SEE ARCHITECTURAL SHEETS
	6\"/>
	DENOTES PLANTER AREA
	GREENSCREEN (4 TOTAL) FRAME TO BE POWDER COATED, COBALT BLUE COLOR (MATCH WITH POST COLOR OF SHADE STRUCTURE). SEE DETAIL L4.1-1
	METAL BENCH (2 TOTAL) MANUFACTURER: WABASH VALLEY MODEL: #PP421R, PRESTIGE SERIES 8' CONTOUR BENCH PATTERN: RB MOUNTING STYLE: INGROUND BENCH COLOR: #4444 DARK BRONZE LEG COLOR: DARK BRONZE SEE DETAIL L4.1-3
	SEATING DOT (13 TOTAL) MANUFACTURER: OUT-SIDER MODEL: #157, HOPOP 500 COLOR: PASTEL BLUE, YELLOW, AND LIMEGREEN WWW.OUT-SIDER.COM, INFO@OUT-SIDER.COM CONTRACTOR TO CONFIRM WITH OWNER'S REPRESENTATIVE THE QUANTITY OF EACH COLOR PRIOR TO ORDERING. SEE DETAIL L4.1-3
	RAISED PLANTER WITH SEATING (3 TOTAL) COLOR: DAVIS COLOR - YOSEMITE BROWN (2.0 LB 641) SEE DETAIL L4.1-4
	CAST-IN-PLACE CONCRETE SEATWALL COLOR: DAVIS COLOR - YOSEMITE BROWN (2.0 LB 641) PROVIDE INSET SPACE WITH BROOM FINISH FOR FUTURE TILE INSTALLATIONS. TILES BY OWNERS. SEE DETAIL L4.1-2
	CANTILEVER SHADE STRUCTURE MANUFACTURER: USA SHADE AND FABRIC STRUCTURES MODEL: #DSA1241414-15, PC#04-119454 14'X14'X10' SINGLE POST PYRAMID CANTILEVER DESIGN FABRIC ROOF COLOR: BLUE POWDERCOAT STEEL COLOR: COBALT TO BE INSTALLED BY MANUFACTURER. CONTACT: ERIK ANSLINGER (408) 478-1846 ERIK.ANSLINGER@USA-SHADE.COM
	STAIRS AND HANDRAILS SEE DETAILS L4.2-1 AND 2
	EXISTING TREES TO REMAIN

NOTE: LANDSCAPE PLANS ARE DESIGNED IN COMPLIANCE WITH CFC 304.1.2 AND CFC 304.3.



AGENCY
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DSA #01-119574
FILE #41-26



SAN MATEO FOSTER CITY
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FOSTER CITY, CA 94404

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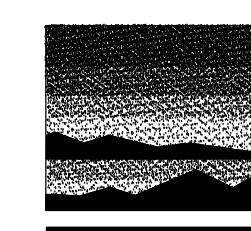
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DESCRIPTION	DATE
1 ADDENDUM 02	11/19/2021

20-30



MTW group
LANDSCAPE ARCHITECTURE
AND PLANNING
2707 K Street, Suite 201
Sacramento, CA 95816
916 269-2990



Peter D. Larimer

C-5284

FACILITY:
GEORGE HALL ELEMENTARY SCHOOL
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
SITE PLAN

DSA BACKCHECK

DATE: 10.04.2021
PROJ NO: 3542-004

SHEET:

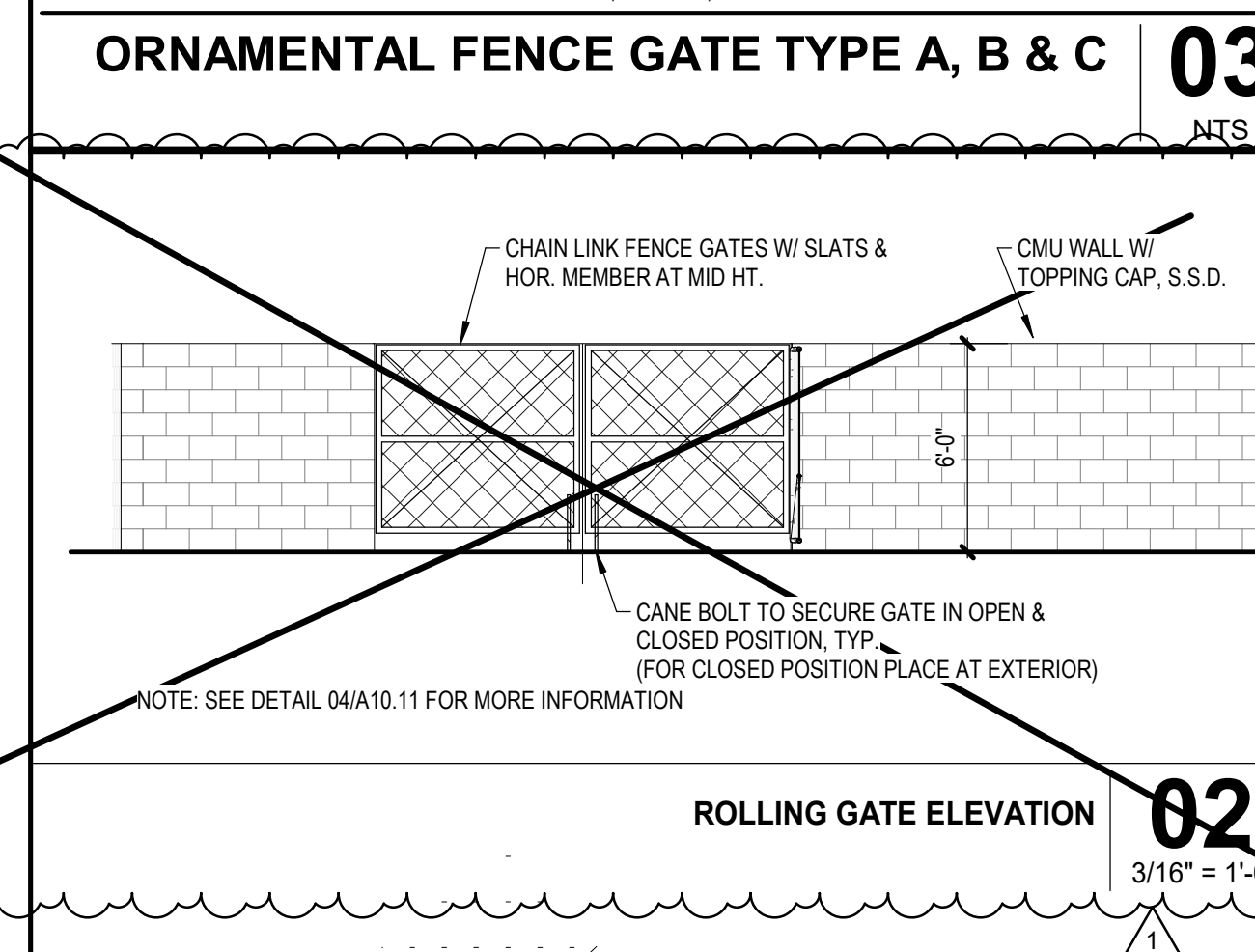
L0.1

PLEASE RECYCLE

2. MATCH CORNER AT SAWTOOTH LINE
3. MATCH AC PAVEMENT AT SAWTOOTH LINE
4. CONCRETE SIDEWALK (NO COLOR WITH BROOK FINISH)
5. SEE DETAIL 1412 FOR CURB
6. AC PAVEMENT (SEE DETAIL 1, SHEET C3.1)
7. HEAVY DUTY AC PAVEMENT (SEE DETAIL 2, SHEET C3.1)
8. REPAIR EXISTING PAVEMENT TO MATCH THE REST OF THE EXISTING PORTABLES. PORTABLES TO BE INSTALLED ON AN PAVEMENT SECTION CONSISTING OF NOT LESS THAN 4 INCHES OF ASPHALT OVER 11 INCHES OF CLASS 4 AGGREGATE BASE. PAVEMENT TO BE 1/2" THICK OVER 11 INCHES OF CLASS 2.5
9. CLASS 2 AGGREGATE BASE ROCK COMPACTED TO 95% RELATIVE COMPACTION
10. CONCRETE EXPOSED EDGE ALONG PERIMETER, SEE SECTION VIEW #2 FOR SPECIFIC WIDTH AND DEPTH
11. CHAIN LINK FENCE (SEE ARCHITECTURAL PLANS)
12. PLAY APPARATUS WITH SURFACING (SEE LANDSCAPE PLANS). PLAY APPARATUS TO BE 10' FROM THE EXISTING PAVEMENT
13. WOOD HANDRAIL (SEE DETAIL 14, SHEET C3.1)
14. 3" RIB WIDE STRIP
15. 3" WIDE DOWEL STRIP, SEE DETAIL 7, SHEET C.3.1
16. 36"X36 X 8 SYMBOL (SEE DETAIL 7, SHEET C.3.1)
17. TRUNCATED DOWNS (SEE DETAIL 14, SHEET C3.1)
18. CONCRETE WHEEL STOP (SEE DETAIL 16, SHEET C3.1)
19. 12" WIDE VERTICAL SIGN (SEE DETAIL 17, 12" IN HEIGHT AND 1.5' WIDE)
20. ACCESSIBLE PARKING SIGN, SHALL BE MOUNTED ON THE FENCE
21. 12" WIDE VERTICAL SIGN (SEE DETAIL 17, SHEET C3.1)
22. VAN ACCESSIBLE PARKING SIGN, SHALL BE MOUNTED ON THE FENCE WITH TAMPER RESISTANT HARDWARE (SEE DETAIL 8, SHEET C3.1)
23. FIXED ROLLAD (SEE DETAIL 8, SHEET C3.1)
24. CONCRETE SIDEWALK PER CITY SANITATION DEPARTMENT STANDARD DETAIL 1411A
25. SPILL - "T" CURB & GUTTER (SEE DETAIL 2, SHEET C3.1)
26. SPILL - "T" CURB & GUTTER (SEE DETAIL 2, SHEET C3.2)
27. EXISTING GATE, NOT A PART OF THE ACCESSIBLE PATH OF TRAVEL

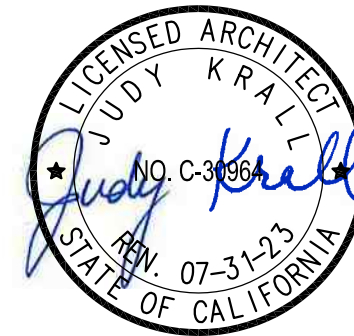


16
1/2" = 1'-0"



**SAN MATEO FOSTER CITY
SCHOOL DISTRICT**
1170 CHESS DR.,
FOSTER CITY, CA 94404

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	DESCRIPTION	DATE
1	ADDENDUM 02	11/19/2021

NOTES

FACILITY:
GEORGE HALL ELEMENTARY SCHOOL
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

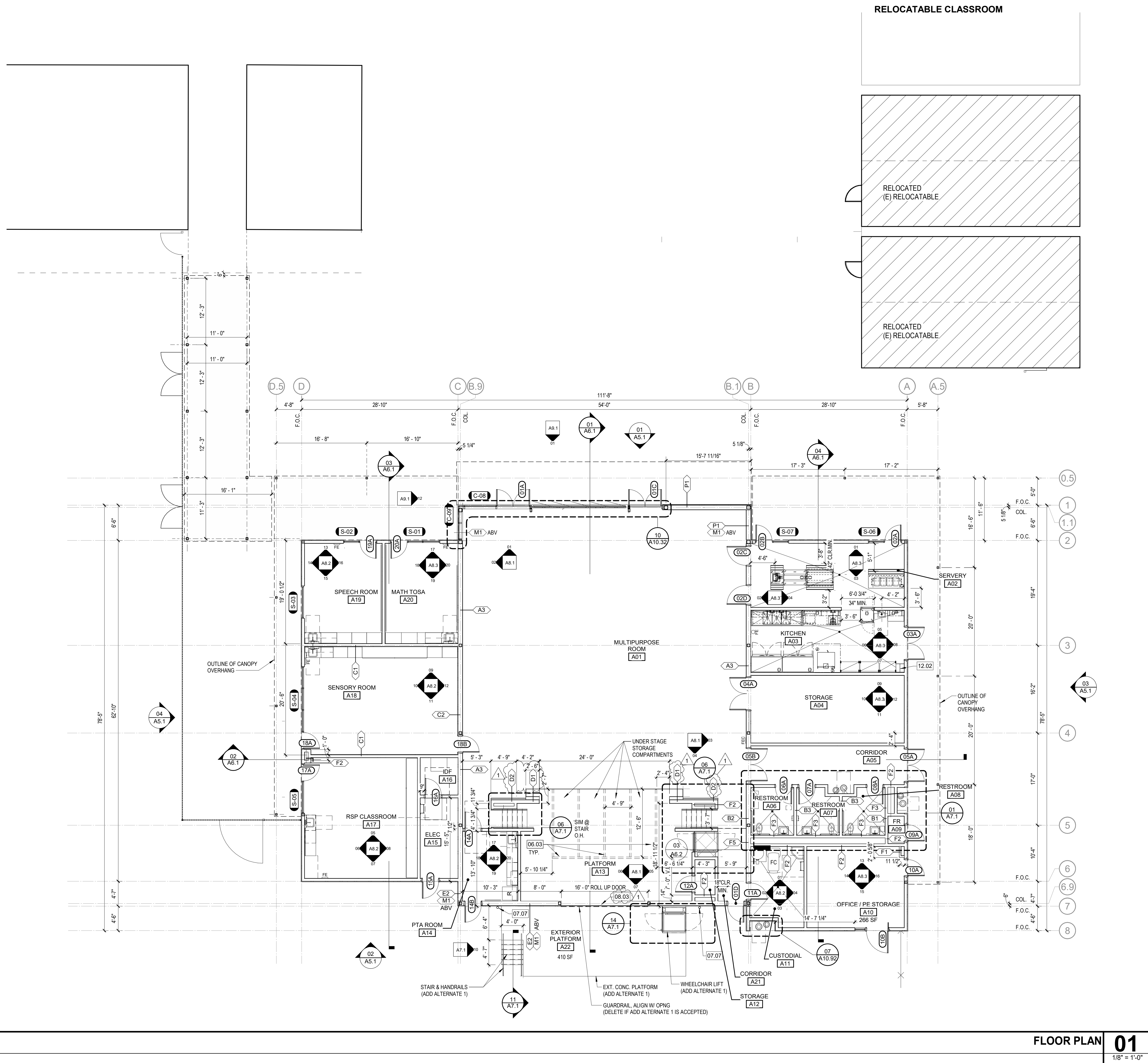
SHEET NAME:
SITE - ENLARGED PLANS, DETAILS

DSA SUBMITTAL

DATE: 06.14.2021	PROJ NO: 3542-004
SHEET:	

A1.4

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THE LINE SHOWN ABOVE THE
EXISTING FLOOR FINISH LINE
SHOULD BE USED TO
Determine THE
SHEET'S ORIGINAL PAGE SIZE



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JUDY K. R.A.T.
NO. C-3585
EXPI. 07-31-23
STATE OF CALIFORNIA

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KEYNOTES

NO.	NOTE - DETAIL
06.03	2X4 STUD BEARING WALLS AT 16" O.C. FRAMED BELOW PLATFORM. SSD FOR ADDITIONAL INFO.
07-07	DOWNSPOUT, 3" SCHEDULE 40 PIPE, PAINTED
08.03	OVERHEAD ROLL UP DOOR, INSULATED, PAINTED W/ RAL COLOR FROM CUSTOM COLOR CHART TO BEST MATCH EP4
12.02	2 TIER MTL. LOCKERS, 16"D, 9"W, 46" TALL. STANDARD COLOR: SEE DTL. 16/A10.92.

FLOOR PLAN LEGEND

	WOOD STUD FRAMED WALL
	ALL INTERIOR WALLS TO BE A1, U.N.O. SEE A10.51 FOR INTERIOR WALL TYPES.
	ALL EXTERIOR WALLS TO BE E1, U.N.O. SEE A10.21 FOR EXTERIOR WALL TYPES AND EXTERIOR ELEVATIONS & WALL SECTIONS FOR EXTERIOR WALL TYPE TRANSITION.
	SEMI-RECESSED FIRE EXTINGUISHER CABINET FIRE EXTINGUISHER HANDLE 48" A.F.F. MAX. PROVIDE TYPE "K" FIRE EXTINGUISHER IN KITCHEN PROVIDE SIGN FP1 AT ALL FIRE EXTINGUISHERS
	30" x 48" ACCESSIBLE CLEAR FLOOR SPACE
	REQUIRED ADA DOOR MANEUVERING CLEARANCE DOOR PLACEMENT: 5" FROM INTERSECTING WALL TO DOOR OPENING
	60"x56" ACC. CLEAR FLOOR SPACE FOR WALL MOUNTED TOILET
	60" DIAMETER ACCESSIBLE TURNAROUND
	STAGE CURTAIN / PRECENIUM CURTAIN
	METAL LOCKERS

NOTES:

- REFER TO INTERIOR ELEVATIONS FOR ALL CASEWORK INFORMATION
- FOR ADDITIONAL ELEVATION CALLOUTS SEE ENLARGED PLANS.
- ADD (1) LAYER OF 1/2" GYP BD. AT LOCATIONS WHERE INTERIOR SHEAR PLY DOES NOT EXTEND THE FULL WALL LENGTH WITHIN A ROOM. THIS SHALL AVOID WALL JOGS IN THE FINISH LAYER. SSD FOR SHEAR LOCATIONS: MP ROOM A01, CUSTODIA A11, KITCHEN A03, SERVERY A02, ELEC. RM A15, SENSORY RM A18

FACILITY:

GEORGE HALL ELEMENTARY SCHOOL
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:

MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:

FLOOR PLAN

DSA BACKCHECK

DATE: 10.04.2021

PROJ NO: 3542-004

SHEET:

A2.1

11/4/2021 10:07:11 AM

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KEYNOTES	
NO.	NOTE - DETAIL
05.07	CANOPY STEEL COLUMN, SSD, PAINTED
05.08	WALKWAY STEEL COLUMN W/ FOUNDATION, SSD, STEEL PAINTED

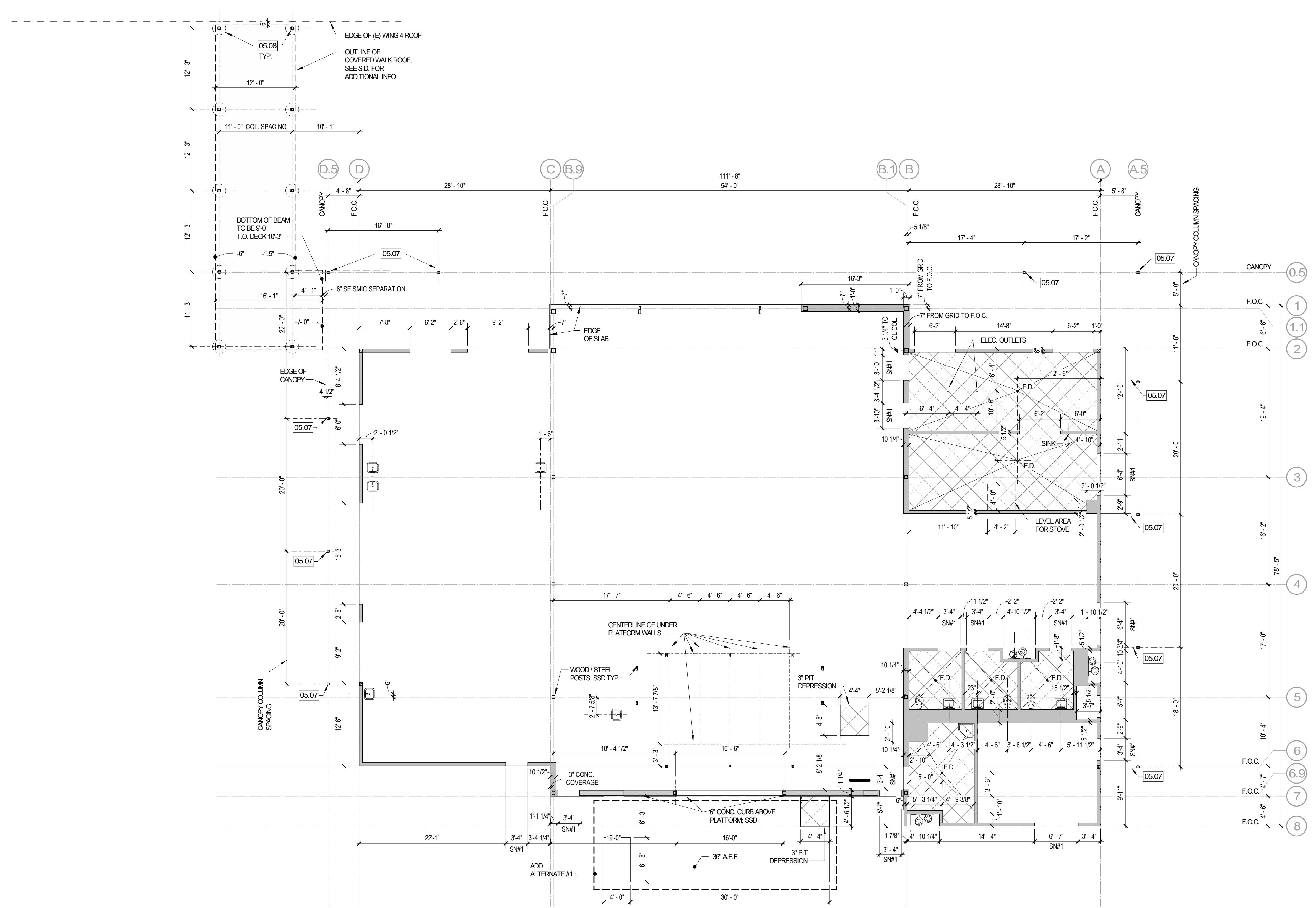
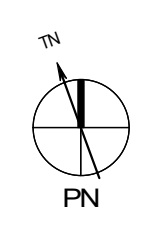
LEGEND

- 6" HIGH CONCRETE CURB, 6" WIDE U.O.N.
- WOOD FRAMED PLATFORM
- 2" DERESSED SLAB W/ CONC. MORTAR FILL
SLOPED TO DRAIN AT 1/4" FT MAX.

NOTES:

GENERAL NOTES

1. VERIFY / COORDINATE EXACT DOOR OPENING FOR CONC. CURBS W/ DOOR FRAME DIMENSIONS.
SOME ADJUSTMENT MAY BE NEEDED TO DIMENSIONS SHOWN ON THIS DRAWING.



FLOOR PLAN - SLAB PLAN 01
1/8" = 1'-0"

FACILITY:
GEORGE HALL ELEMENTARY SCHOOL
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
SLAB PLAN

DSA BACKCHECK

DATE: 10.04.2021 PROJ NO: 3542-004

SHEET:

SCHEDULE OF FINISHES

03.35.35 - CONCRETE FLOOR FINISHING

CONC1 SEALED CONCRETE
FINISH: TROWLED (NO GRIND, NO POLISH)
COLOR: SEAL, CLEAR

05.52.00 - HANDRAILS AND RAILINGS

HRL1 HANDRAIL
MANUFACTURER: (VIA RAILINGS)
FINISH: STAINLESS STEEL (R6 (R6 GRIT) BRUSHED SATIN)
SIZE: 1 1/4" PIPE RAIL

04.22.00 - REINFORCED UNIT MASONRY SYSTEM

CMU WALL (TRASH ENCLOSURE)
MANUFACTURER: BASALITE
FINISH: PRECISION SMOOTH
COLOR: 345 (STOCK COLOR)

06.41.16 - PLASTIC LAMINATE

PL1 PLASTIC LAMINATE
MANUFACTURER: ARBORITE
STYLE: V444 L.E. BLONDE MODERN CHERRY
NOTE: AT MPR STAGE WALL

PL2 PLASTIC LAMINATE
MANUFACTURER: LAMINART
STYLE: 3132 SM LAKESHORE WALNUT
FINISH: SUPERWATTE
NOTE: ALL CASEWORK (EXPOSED FACES), UNO

06.61.16 - SOLID POLYMER FABRICATIONS

SS1 SOLID POLYMER
MANUFACTURER: CORAN
STYLE: SAND STORM
NOTE: COUNTERTOPS

07.42.13 - METAL WALL PANELS

MP1 METAL WALL PANELS
MFG: MORIN
COLOR: PREMIUM COLOR, MICA, CHAMPAGNE PEARL
SERIES: MATRIX 1.0, STEEL - TYPE 'A'
NOTE: NO 4" SEGMENTS, CUT FROM 120" - ROLLS

MP2 PERFORATED WALL PANELS
MFG: MORIN
COLOR: CLEAR ANODIZED
SERIES: MATRIX 1.0, ALUMINUM - TYPE 'A', 40% OPEN

07.42.36 - PLASTIC WALL PANELS

WP1 WALL PANEL
MANUFACTURER: TRESPA
PRODUCT: METEON
FINISH: SATIN
COLOR: HARMONY OAK

08.80.00 - SPECIALTY GLAZING

GL1 INDULATED GLAZING
GL2 INSULATED TEMPERED GLAZING
GL3 INSULATED FROSTED GLAZING

08.13.13 - HOLLOW METAL DOORS - (EXTERIOR)

COLOR: SEE DOOR SCHEDULE
NOTE:

08.14.16 - FLUSH WOOD DOORS - (INTERIOR)

FINISH: PAINT OR PLASTIC LAMINATE, SEE DOOR SCHEDULE
GRAIN DIRECTION: VERTICAL

08.41.13 - ALUMINUM ENTRANCES AND STOREFRONTS

SEE DOOR / WINDOW SCHEDULE

08.XX.XX - ALUMINUM CURTAIN WALLS

SEE DOOR / WINDOW SCHEDULE

09.24.00 - PORTLAND CEMENT PLASTERING

SEE EXTERIOR ELEVATIONS

09.27.01 - GYPSUM BOARD ACCESSORIES

WR1 WALL REVEAL
MANUFACTURER: FRY REGLET
TYPE: SVR-038-063
FINISH: PRIME PAINTED

09.30.13 - CERAMIC TILE

CT1 CERAMIC WALL TILE (FIELD)
MANUFACTURER: DAL TILE
COLLECTION: LINEAR COLOR WHEEL COLLECTION, GLAZED CERAMIC
SIZE: 4" X 12"
COLOR: 019 (V) ARCTIC WHITE SEM GLOSS
JOINT SIZE: 1/4"
GROUT: MANUFACTURER: CUSTOM BUILDING PRODUCTS
COLOR: T80

CT2 CERAMIC WALL TILE ACCENT (OPTION 1)
MANUFACTURER: DAL TILE
COLLECTION: BEE HIVE MEDLEY
SIZE: 6X10" HEXAGON
COLOR: SUN GREEN/BLUE P04
JOINT SIZE: 1/4"
GROUT: MANUFACTURER: CUSTOM BUILDING PRODUCTS
COLOR: #165 DELOREAN GREY

CT3 CERAMIC WALL TILE (OPTION 2)
MANUFACTURER: DAL TILE
COLLECTION: RETRO ROUNDS
SIZE: 11X11"
COLOR: DENIM BLUE RR10
JOINT SIZE: 1/4"
GROUT: MANUFACTURER: CUSTOM BUILDING PRODUCTS
COLOR: 115 PLATINUM

CT4 QUARRY FLOOR TILE (COVERED TILE BASE TO MATCH FLOOR TILE)
MANUFACTURER: DAL TILE
COLLECTION: QUARRY TILE
SIZE: FLOOR TILE 6X6"
6" BASE TILE W/ INTEGRAL COVE BASE, W/ MIN. 3/8" RADIUS
COLOR: 480 FLASH 0048
FINISH: ABRASIVE
JOINT SIZE: 1/4"
GROUT: MANUFACTURER: CUSTOM BUILDING PRODUCTS
COLOR: 115 PLATINUM

09.51.00 - ACOUSTICAL CEILING TILE - LAY IN

ACT1 ACOUSTICAL CEILING TILE
MANUFACTURER: ARISTON
TYPE: ULTIMA #1913
SIZE: 24X48"
COLOR: WHITE
EDGE: SQUARE
GRID: 15/16" SQUARE LAY IN
GRID COLOR: WHITE

ACT2 ACOUSTICAL CEILING TILE
MANUFACTURER: ARISTON
TYPE: KITCHEN ZONE #672
SIZE: 24X48"
COLOR: WHITE
EDGE: SQUARE
GRID: 15/16" SQUARE LAY IN
GRID COLOR: WHITE

09.65.13 - RESILIENT BASE

RB1 RUBBER WALL BASE
MANUFACTURER: TARKETT
TYPE: TRADITIONAL 4"
COLOR: VAPORIZE
HEIGHT: 4"
NOTE: NO 4" SEGMENTS, CUT FROM 120" - ROLLS

RB2 RUBBER WALL BASE
MANUFACTURER: TARKETT
TYPE: TRADITIONAL WALL BASE 4"
COLOR: SADDLEBROOK T42
HEIGHT: 4"
NOTE: NO 4" SEGMENTS, CUT FROM 120" - ROLLS

RB3 RUBBER WALL BASE
MANUFACTURER: TARKETT
TYPE: TRADITIONAL WALL BASE 4"
COLOR: 94 BLUE JEANS
HEIGHT: 4"
NOTE: NO 4" SEGMENTS, CUT FROM 120" - ROLLS

09.65.18 - RESILIENT SHEET FLOORING

RF1 RESILIENT SHEET FLOORING
MANUFACTURER: FORBO FLOORING SYSTEMS
STYLE: MARMOLEUM STRATO ORIGINAL
COLOR: 5230 WHITE WASH

RF2 RESILIENT SHEET FLOORING
MANUFACTURER: FORBO FLOORING SYSTEMS
STYLE: MARMOLEUM STRATO ORIGINAL
COLOR: 5217 WITHERED FRAME

RF3 RESILIENT SHEET FLOORING
MANUFACTURER: FORBO FLOORING SYSTEMS
STYLE: MARMOLEUM FRESSO
COLOR: 3889 CINDER

RF4 RESILIENT SHEET FLOORING
MANUFACTURER: FORBO FLOORING SYSTEMS
STYLE: MARMOLEUM SPLASH
COLOR: 3925 AVOCADO

STAIR NOSING
AT PLATFORM: FORBO ACCESSORY 'J' (WWW.FORBO.COM), OR
VINYL STAIR NOSING, V1641 BLACK BY FUTURA
(WWW.FUTURAND.COM)

09.67.24 - EPOXY FLOORING

EPX1 EPOXY FLOORING
MANUFACTURER: DEX O TEX
STYLE: DECOR FLOOR BROADCAST
COLOR: 075-6-61 DOUBLE BROADCAST
FINISH: GLOSS CLEAR FINISH
LOCATION: RESTROOMS
NOTE: COVE AT WALL 8" HIGH WHERE EPOXY
FLOORING OCCURS

09.72.17 - FIBERGLASS REINFORCED PLASTIC PANEL

FRP1 FIBERGLASS REINFORCED PLASTIC PANEL
MANUFACTURER: MARLITE
STYLE: 5100G, SMOOTH
COLOR: WHITE

09.84.33 - ACOUSTICAL WALL PANEL (FABRIC COVERING)

AP1 ACOUSTICAL WALL PANEL
MANUFACTURER: CARNEGIE
STYLE: XOREL, METEOR
COLOR: 5427 T05 (FIELD, OFF WHITE COLOR)
SIZE: REFER TO INTERIOR ELEVATIONS FOR PANEL
FOR LAYOUT AND JOINT SPACING

09.90.00 - PAINT

P1 INTERIOR FIELD PAINT - GENERAL
MANUFACTURER: DUNN EDWARDS
COLOR: 021548 WHITE PROCTER FENCE (WHITE)
FINISH: EGGSHELL
NOTE: P1 IS TYPICAL FIELD PAINT UNO

P2 INTERIOR FIELD PAINT ACCENT
MANUFACTURER: DUNN EDWARDS
COLOR: 02592 OLIVE MARTIN
FINISH: EGGSHELL
NOTE:

P3 INTERIOR FIELD PAINT ACCENT
MANUFACTURER: DUNN EDWARDS
COLOR: 025435 SPARKLING FROST
FINISH: EGGSHELL
NOTE:

P4 INTERIOR FIELD PAINT ACCENT
MANUFACTURER: DUNN EDWARDS
COLOR: 02594 COOKTAL OLIVE
FINISH: EGGSHELL
NOTE:

P5 INTERIOR FIELD PAINT ACCENT
MANUFACTURER: DUNN EDWARDS
COLOR: 02577 AFTERNOON SKY (LIGHT BLUE)
FINISH: EGGSHELL
NOTE: MPR STAGE WALL

09.90.00 - PAINT (CONTINUED)

P6 INTERIOR FIELD PAINT ACCENT
MANUFACTURER: DUNN EDWARDS
COLOR: 025878 SACHELOR BLUE (MEDIUM BLUE)
FINISH: EGGSHELL
NOTE: MPR STAGE WALL

P7 INTERIOR FIELD PAINT ACCENT
MANUFACTURER: DUNN EDWARDS
COLOR: 02589 LEGENDARY GRAY
FINISH: EGGSHELL / SEMI GLOSS AT SINKS
NOTE:

P8 INTERIOR FIELD PAINT ACCENT
MANUFACTURER: DUNN EDWARDS
COLOR: KW687 SNAKE RIVER (DARK BLUE)
FINISH: EGGSHELL
NOTE: MPR STAGE BACKDROP

09.90.00 - PAINT (EXTERIOR)

EP1 EXTERIOR PAINT, SEE EXT. ELEVATIONS, EGGSHELL

EP2 EXTERIOR PAINT, SEE EXT. ELEVATIONS, EGGSHELL

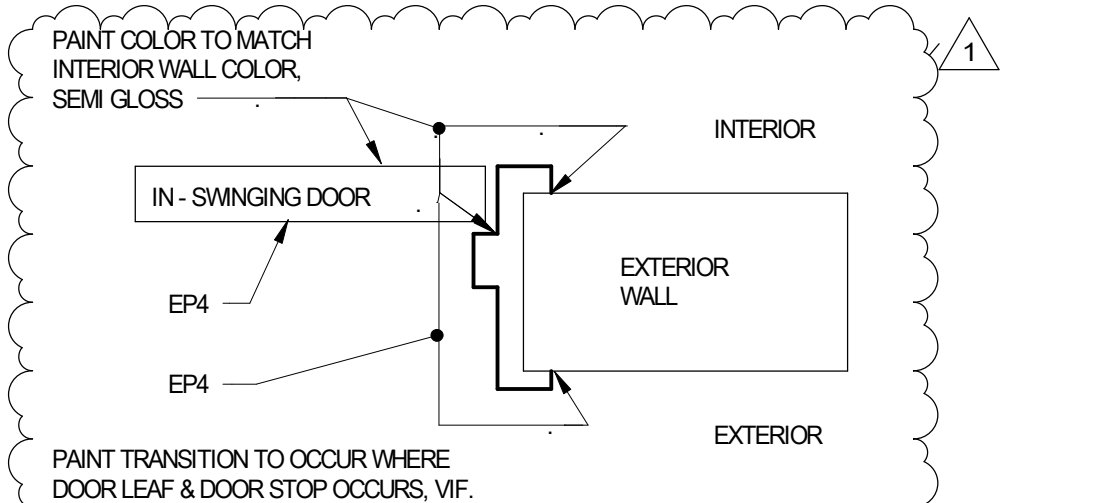
EP3 EXTERIOR PAINT, SEE EXT. ELEVATIONS, EGGSHELL

EP4 EXTERIOR PAINT (ALL DOORS & HOLLOW METAL DOOR FRAMES) -
EXTERIOR FACING SIDE ONLY.
MANUF: DUNN EDWARDS
COLOR: KW687 SNAKE RIVER, SEMI GLOSS

EP5 PAINT COLOR FOR EXPOSED INTERIOR COLUMNS,
BEAMS ALONG CURTAIN WALL SYSTEM, (BUT NOT ROOF BEAMS)
HIGH PERFORMANCE COATING, KELLY MOORE, ALUMINUM SKY 5020.2, SEMI GLOSS.

EP6 EXTERIOR PAINT FOR EXTERIOR BLDG COLUMNS,
COVERED WALK COLUMNS & BEAMS
HIGH PERFORMANCE COATING, KELLY MOORE, ALUMINUM SKY 5020.2, SEMI GLOSS

EP7 EXTERIOR PAINT FOR UNDERSIDE OF COVERED WALK (INT. DECK),
HIGH PERFORMANCE COATING, KELLY MOORE, KM 27, BONE, SEMI GLOSS



10.11.16 - MARKERBOARDS

MB1 MARKERBOARD
MANUFACTURER: CLARIDGE PRODUCTS AND EQUIPMENT
STYLE: CLARIDGE SERIES 8
COLOR: WHITE
SIZE: PER INTERIOR ELEVATIONS AND NOTES
FRAME: CLEAR ANODIZED ALUMINUM

10.14.00 - SIGNAGE

TACTILE PLASTIC SIGNS
MANUFACTURER:
STYLE:
FONT:
COLOR:
SIZE: AS INDICATED ON PLANS

10.26.17 - CORNER GUARDS

CG1 CORNER GUARD
MANUFACTURER: OS GROUP
STYLE: SM-20N, STAINLESS STEEL
COLOR: T80
SIZE: 3" LEGS
HEIGHT: 4'-0"

11.61.43 - STAGE CURTAIN

SC1 STAGE CURTAIN
MANUFACTURER: ROSE BRAND
STYLE: CHARISMA SYNTHETIC VELOUR, 25 OZ
COLOR: PEWTER

12.24.13 - ROLLER SHADES

RS1 SINGLE ROLLER LIGHT FILTERING
MANUFACTURER: MECHO SHADES
STYLE: SCL-3 SERIES, 1% TRANSLUCENT
COLOR: NICKEL 1110

RS2 SINGLE ROLLER LIGHT BLACKOUT FABRIC
MANUFACTURER: MECHO SHADES
STYLE: BLACKOUT COLLECTION 0700, 0800, 0250, 0100 SERIES
COLOR: T80

12.48.13 - ENTRANCE FLOOR MAT

FM1 FLOOR MAT
MANUFACTURER: PATCRAFT
COLLECTION: FOOT IN THE DOOR II
STYLE: 1035, ON THE RIGHT FOOT
COLOR: 00995 CHARCOAL
SIZE: FLUSH BUILT-IN (2'X2')

10.11.26 - TACKABLE WALL PANELS

TP1 TACK SURFACE
MANUFACTURER: CARNEGIE
STYLE: XOREL, METEOR
COLOR: 9423 T05, FIELD, OFF WHITE COLOR
SIZE: SEE INTERIOR ELEVATIONS FOR PANEL
LAYOUT AND JOINT SPACING

TP2 TACK SURFACE
MANUFACTURER: CARNEGIE
STYLE: XOREL, COMET
COLOR: 8033 13 (LIGHT GREEN)
SIZE: SEE INTERIOR ELEVATIONS FOR PANEL
LAYOUT AND JOINT SPACING

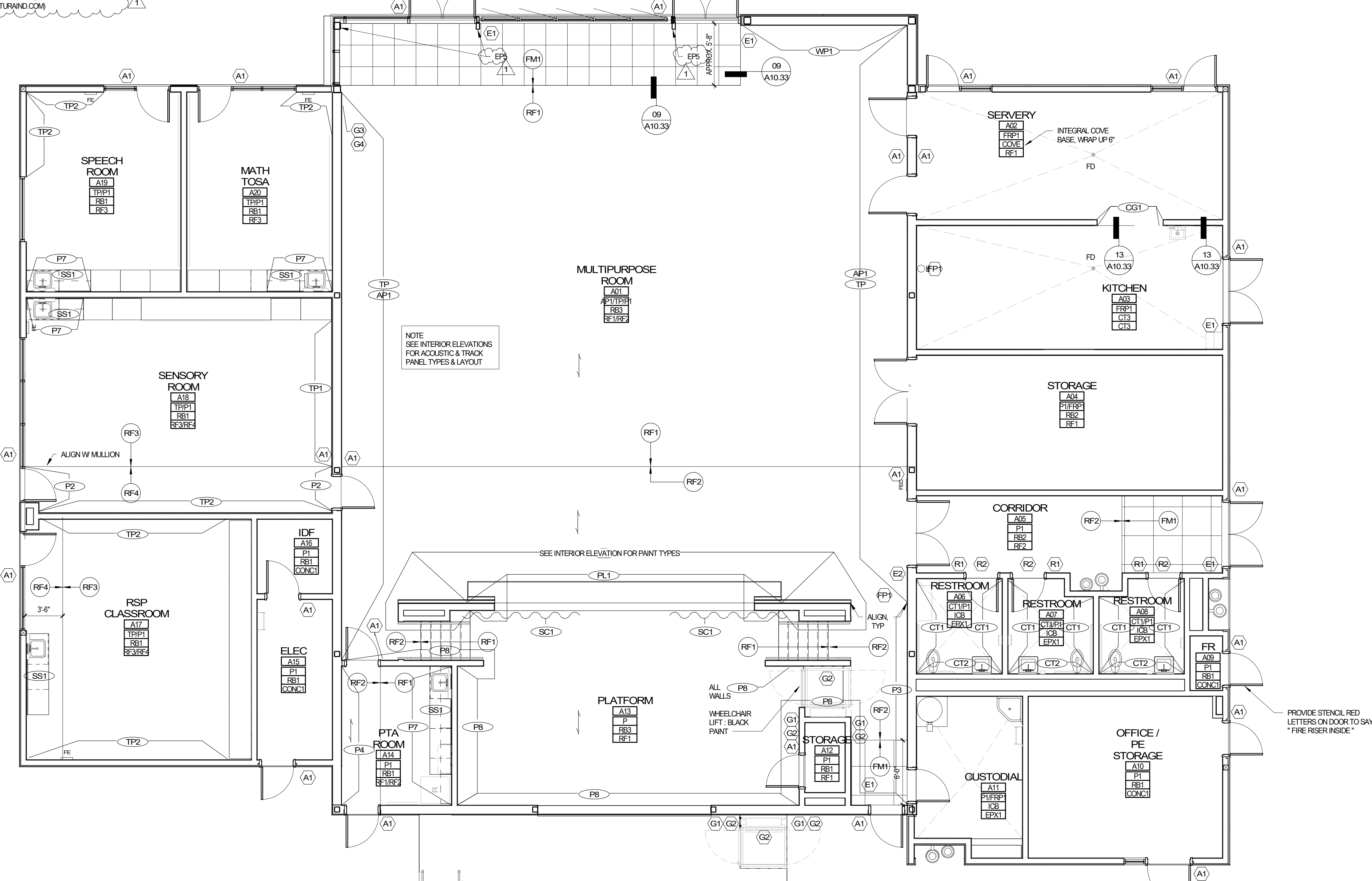
TP3 TACK SURFACE
MANUFACTURER: CARNEGIE
STYLE: XOREL, METEOR
COLOR: 8427 2017 (DARK GREEN)
SIZE: SEE INTERIOR ELEVATIONS FOR PANEL
LAYOUT AND JOINT SPACING

TP4 TACK SURFACE
MANUFACTURER: CARNEGIE
STYLE: XOREL, METEOR
COLOR: 8427 2027 (MEDIUM BLUE)
SIZE: SEE INTERIOR ELEVATIONS FOR PANEL
LAYOUT AND JOINT SPACING

TP5 TACK SURFACE
MANUFACTURER: CARNEGIE
STYLE: XOREL, METEOR
COLOR: 8427 2027 (MEDIUM BLUE)
SIZE: SEE INTERIOR ELEVATIONS FOR PANEL
LAYOUT AND JOINT SPACING

TP6 TACK SURFACE
MANUFACTURER: CARNEGIE
STYLE: XOREL, METEOR
COLOR: 8427 2024 (DARK BLUE)
SIZE: SEE INTERIOR ELEVATIONS FOR PANEL
LAYOUT AND JOINT SPACING

TP7 TACK SURFACE
MANUFACTURER: CARNEGIE
STYLE: XOREL, STINE
COLOR: 8423 911 (GRAY BLUE)
SIZE: SEE INTERIOR ELEVATIONS FOR PANEL
LAYOUT AND JOINT SPACING



AGENCY
APPROVAL:
DSA # 01-119574
FILE # 41-26



SAN MATEO-FOSTER CITY
SCHOOL DISTRICT
1170 CHESS DR.,
FOSTER CITY, CA 94404

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3542004-000

333 W. SAN CARLOS STREET, #750
SAN JOSE, CA 95110
408.977.9160 / www.hmcarchitects.com

ISSUE

DESCRIPTION	DATE
1 ADDENDUM 02	11/19/2021

GENERAL FINISH NOTES:

- ALL INTERIOR FINISHES SHALL COMPLY WITH 2019 CBC CHAPTER 12
- REFER TO INTERIOR ELEVATIONS & FLOOR PLAN FOR ADDITIONAL INFORMATION REGARDING FINISHES AND HEIGHTS
- REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION
- ALL PARTITIONS SHALL RECEIVE SCHEDULED BASE FOR THE ROOM UNO
- THE BASE AT LOWER CABINETS TO MATCH THE WALL BASE OF THE ROOM IN WHICH THEY OCCUR UNO IN THE CASEWORK DETAILS
- WHERE FLOOR FINISH MATERIAL CHANGES AT A DOOR, CENTER TRANSITION AT THE CENTER OF THE DOOR WHEN IN THE CLOSE POSITION UNO
- ALL EXPOSED PIPING, LOUVERS, GRILLS, REGISTERS, AND CONDUITS TO BE PAINTED TO MATCH ADJACENT WALL SURFACES, UNO
- ALL WALLS TO BE PAINTED P1, AND ALL BASE TO BE RB1, UNO
- ALL CABINETS EXPOSED FINISH TO BE PL2, UNO

LEGEND

Room name
Room number
Wall finish
Base
Floor finish

RF3 FLOOR FINISH
REFER TO FINISH SCHEDULE ON THIS SHEET

FA WALL FINISH
REFER TO FINISH SCHEDULE ON THIS SHEET

Direction of finish

RF1 - RF2 FLOORING SEPARATION

Sign type, SEE SHEET A10.91

FACILITY:
GEORGE HALL ELEMENTARY SCHOOL
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
FINISH / SIGNAGE PLAN AND FINISH SCHEDULE

DSA BACKCHECK

DATE: 10.04.2021 PROJ NO: 3542-004
SHEET:

FLOOR PLAN - FINISH PLAN 01
3/16" = 1'-0"

PLEASE RECYCLE

A2.3



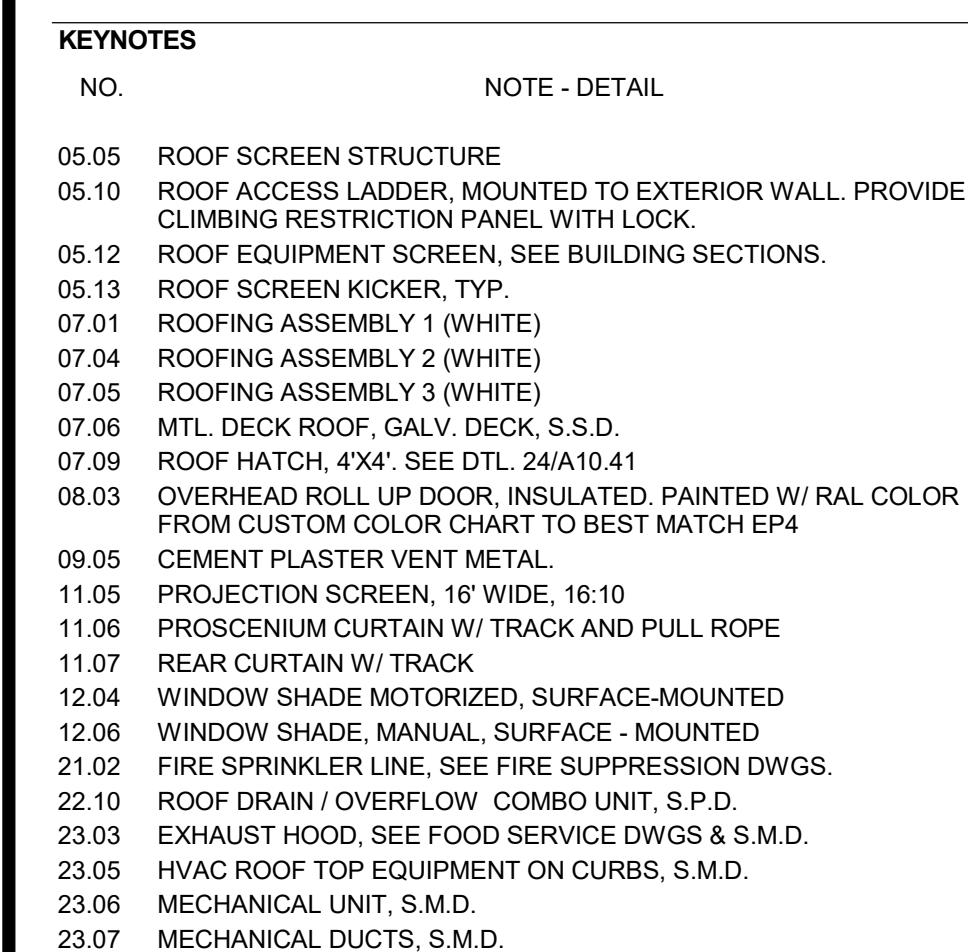
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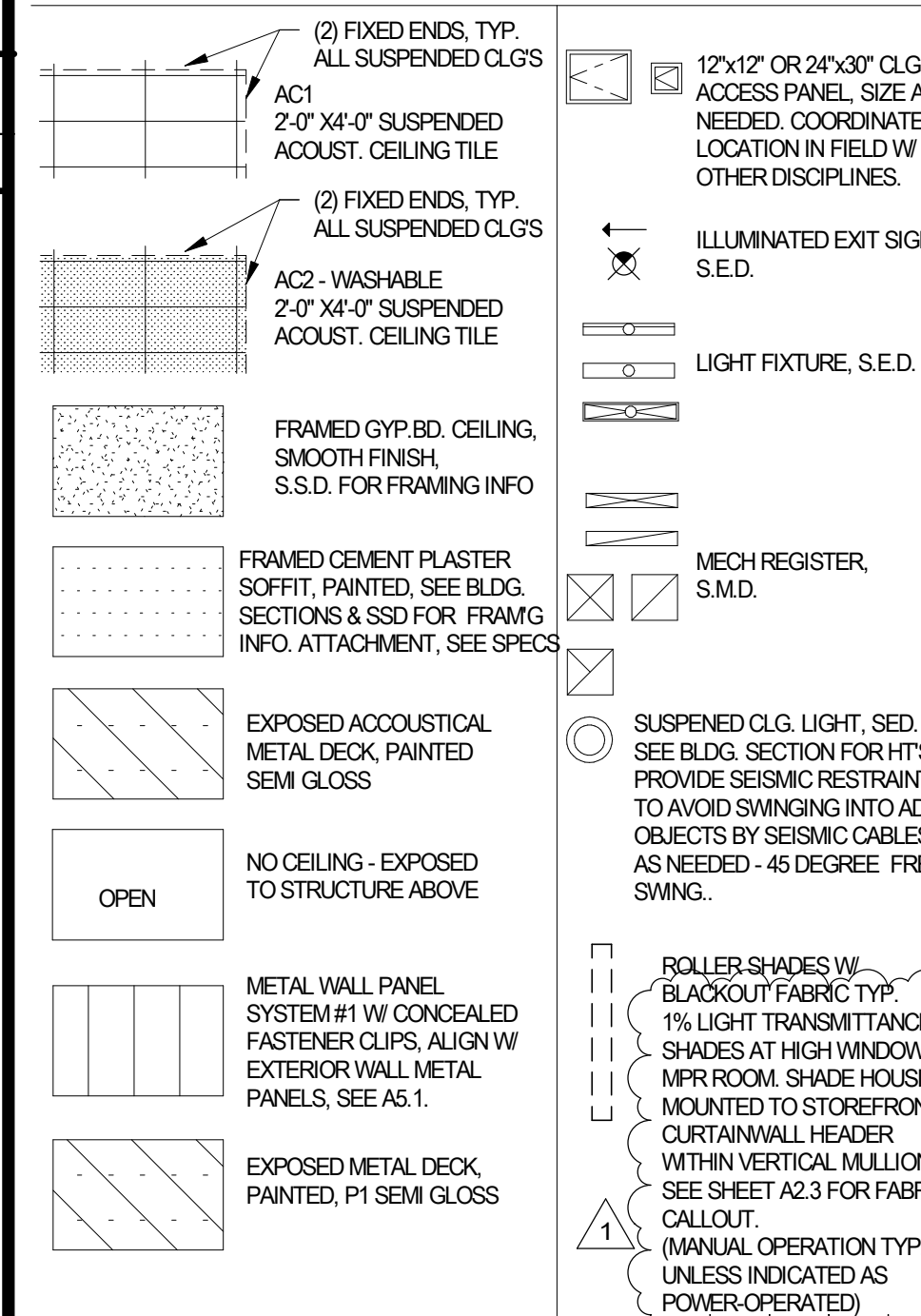
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DESCRIPTION	DATE
1 ADDENDUM 02	11/1



CEILING PLAN LEGEND



NOTES

1. SEE SHEET A10.71, FOR TYPICAL CEILING DETAILS.
2. SUSPENDED CEILING GRID SYSTEMS SHALL BE CENTERED IN SPACES UNO.
3. LIGHT FIXTURES & MECHANICAL REGISTERS ARE SHOWN FOR LOCATION. PURPOSES ONLY. REFER TO ELEC. & MECH. DWGS FOR ADDITIONAL INFO.
4. LOCATE ALL FIRE ALARMS, SMOKE DETECTORS, FIRE EXTINGUISHERS, ETC. OTHER SIM. CEILING MOUNTED DEVICES IN CENTER OF ACOUSTIC CEILING TILE, UNO.
5. ALIGN CENTER OF CEILING MOUNTED DEVICES WITH CENTER LINE OF LIGHT FIXTURE & CENTER DEVICE BETWEEN DEVICES, TYP.
6. PROVIDE CEILING ACCESS PANELS AT HARD CROWN LOCATIONS WHERE REQUIRED TO ACCESS PLUMBING, MECHANICAL, ELECTRICAL, FIRE OR FIRE SPRINKLER DEVICES.
7. FOR FINISHES REFER TO FINISH SCHEDULE & SPECIFICATION SECTION 09.06.00.
8. ALL CEILING HEIGHTS ARE ABOVE FINISHED FLOOR (A.F.F.).
9. ALL EXPOSED STEEL IN MULTIPURPOSE ROOM#410 TO RECEIVE FIN. PAINT COLOR, SEAL, GLOSS.
10. PAINT ALL FACE & UNDERSIDE PO GYP BD, GYPS & CSFFTS FIN. EGGSHELL UNO.

FACILITY:
GEORGE HALL ELEMENTARY SCHOOL
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
REFLECTED CEILING PLAN / ROOF PLAN

DSA BACKCHECK

DATE: 10.04.2021

PROJ NO: 3542-004

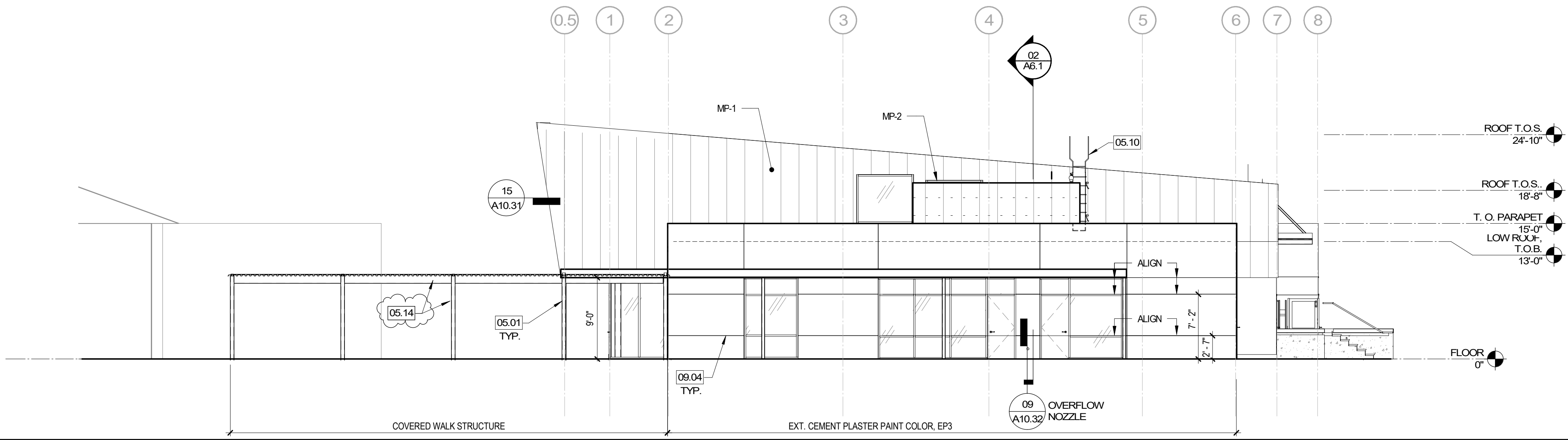
SHEET

REFLECTED CEILING PLAN	01
------------------------	----

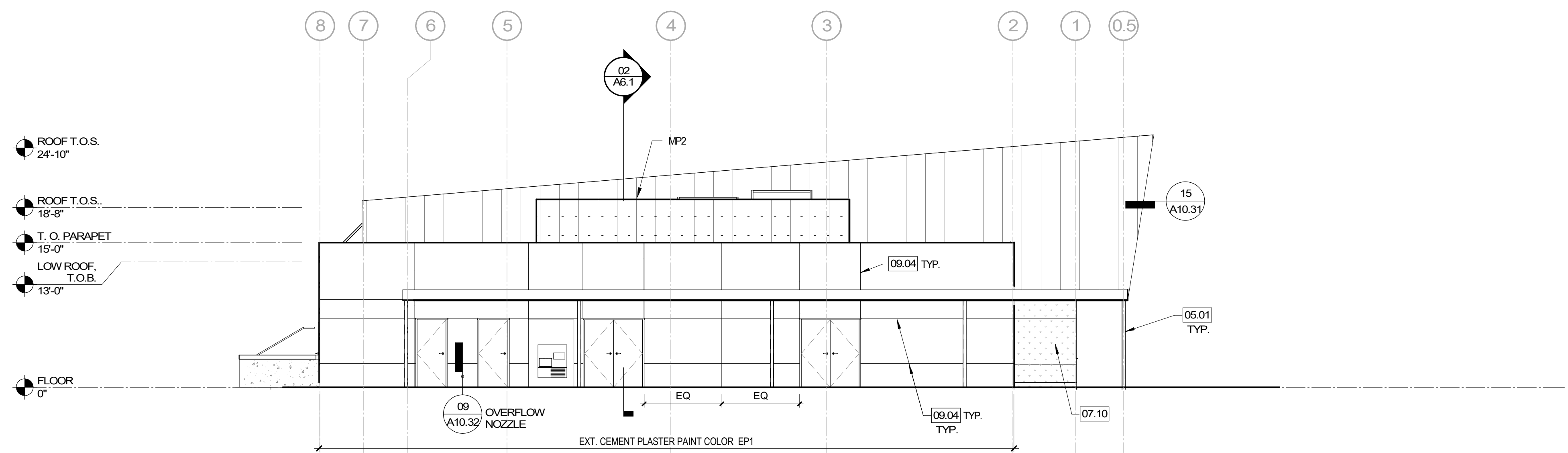
1/8" = 1'-0"

PLEASE RECYCLE 

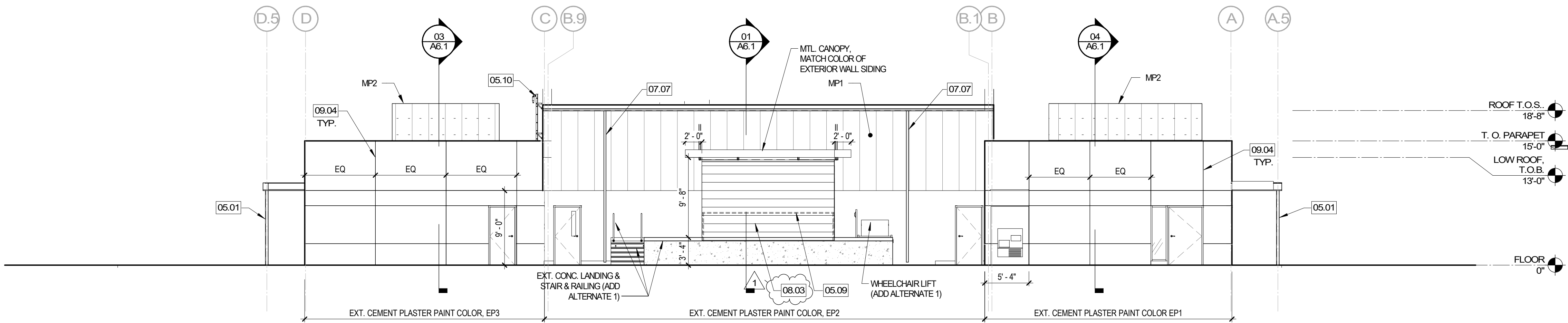
A3.1



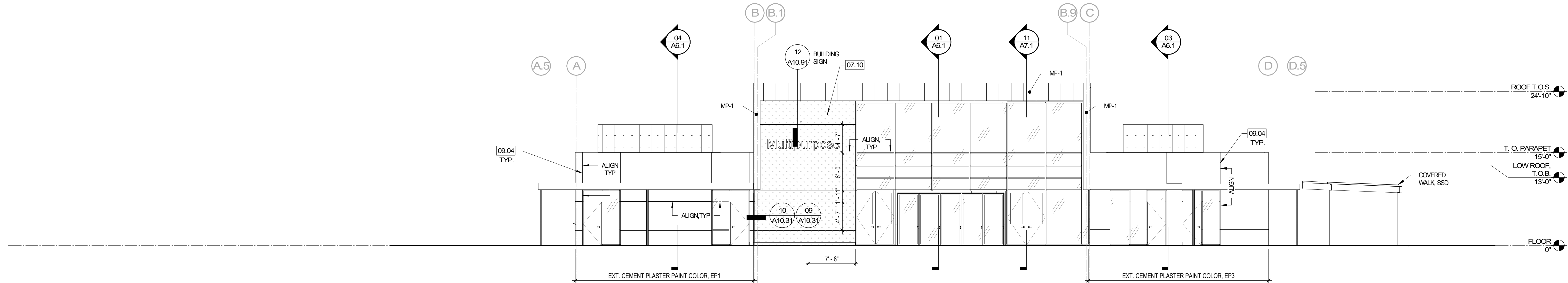
ELEVATION - EXTERIOR - WEST 04
1/8" = 1'-0"



ELEVATION - EXTERIOR - EAST 03
1/8" = 1'-0"



ELEVATION - EXTERIOR - SOUTH 02
1/8" = 1'-0"



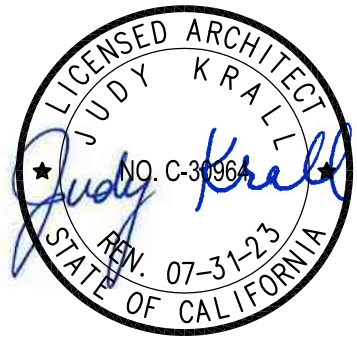
ELEVATION - EXTERIOR - NORTH 01
1/8" = 1'-0"

AGENCY
APPROVAL:
DSA # 01-119574
FILE # 41-26



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ISSUE	
DESCRIPTION	DATE
1 ADDENDUM 02	11/19/2021

- KEYNOTES
- | NO. | NOTE - DETAIL |
|-------|--|
| 05.01 | STEEL COLUMN, SSD, PAINTED |
| 05.09 | GUARDRAIL, (DELETE IF ADD-ALTERNATE 1 IS ACCEPTED) |
| 05.10 | ROOF ACCESS LADDER, MOUNTED TO EXTERIOR WALL. PROVIDE CLIMBING RESTRICTION PANEL WITH LOCK. |
| 05.14 | WALKWAY CANOPY STRUCTURE PAINTED. |
| 07.07 | DOWNSPOUT, 3" SCHEDULE 40 PIPE, PAINTED |
| 07.10 | PLASTIC WALL PANEL SYSTEM |
| 08.03 | OVERHEAD ROLL UP DOOR, INSULATED, PAINTED W/ RAL COLOR FROM CUSTOM COLOR CHART TO BEST MATCH EPA |
| 08.04 | 3/4" GSM REVEAL @ CEMENT PLASTER SYSTEM |

- GENERAL NOTES
1. PAINT COVERED WALK STRUCTURE (COLUMNS, BEAMS, UNDERSIDE OF MTL DECK / FLASHINGS). SEE FINISH SCHEDULE
 2. PAINT EXTERIOR COLUMNS OF EAST & WEST CANOPY OF MP BLDG. SEE FINISH SCHEDULE

- EXTERIOR FINISH LEGEND
- | | |
|------|--|
| GL-1 | CLEAR INSULATED GLAZING AT EXTERIOR WALLS. |
| MP-1 | METAL WALL PANEL SYSTEM #1, PANEL TYPE 'A' & 'B', IN MOUNTING CONFIGURATION OF "AABAAAB", W/ CONCEALED FASTENER CLIPS. |
| MP-2 | (EQUIPMENT SCREEN) METAL PANEL SYSTEM #2, PANEL TYPE 'A', PERFORATED, EXPOSED FASTENERS |
| EP1 | CEMENT PLASTER SYSTEM W/ SAND FINISH, PAINTED W/ |
| EP2 | EP1 - KM 27 - BONE (EAST WING) |
| EP3 | EP2 - H6822 - SAN FRANCISCO FOG (SOUTH / CENTER WING) |
| | EP3 - KM 926 - VOLCANIC ROCK (WEST WING). |
| WP-1 | PLASTIC WALL PANEL |

FACILITY:
GEORGE HALL ELEMENTARY SCHOOL
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
EXTERIOR ELEVATIONS

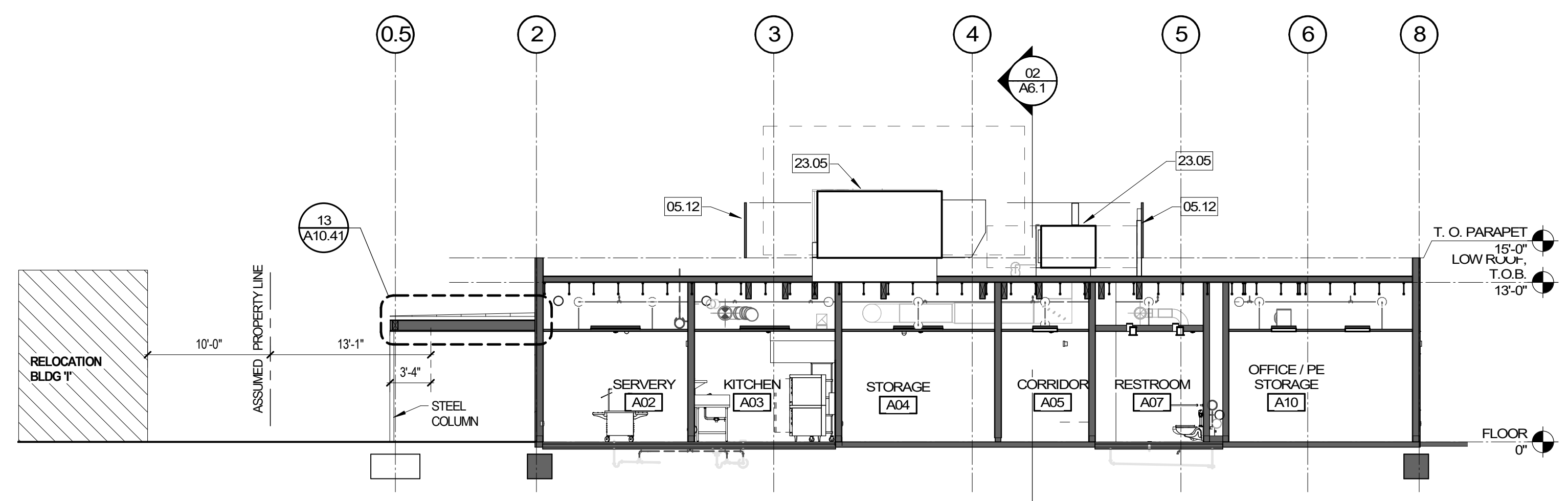
DSA BACKCHECK

DATE: 10.04.2021 PROJ NO: 3542-004

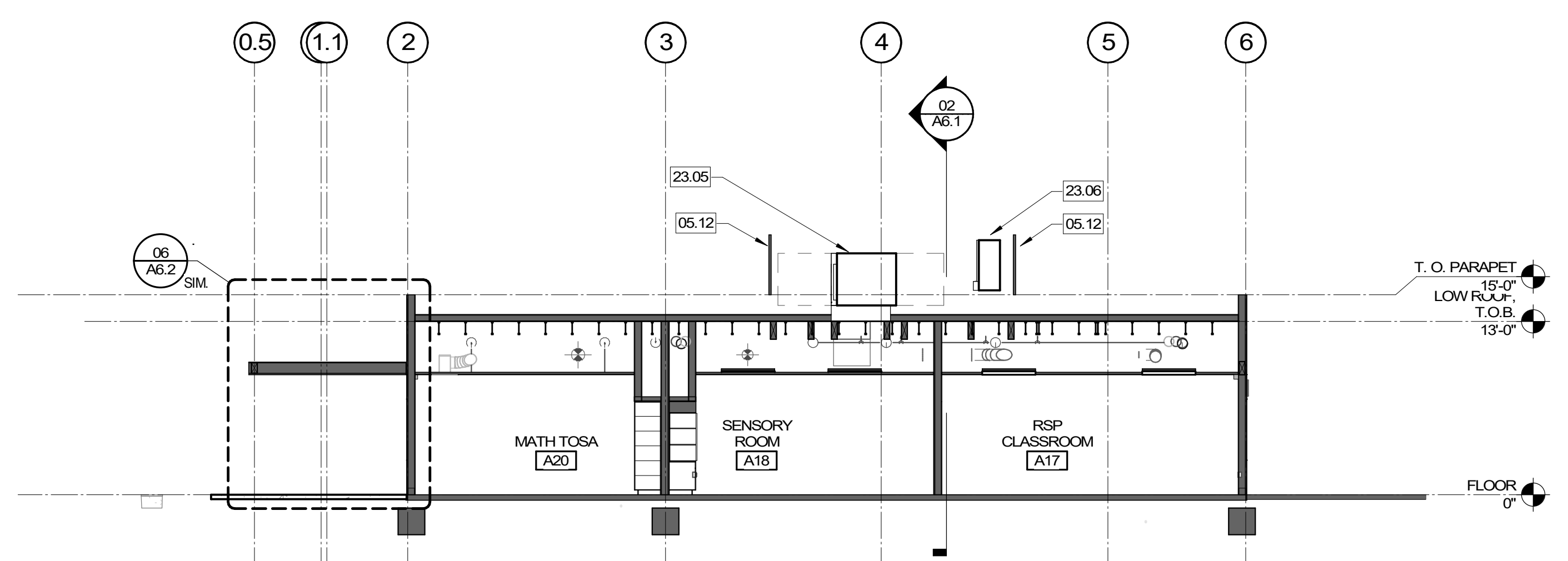
SHEET:

A5.1

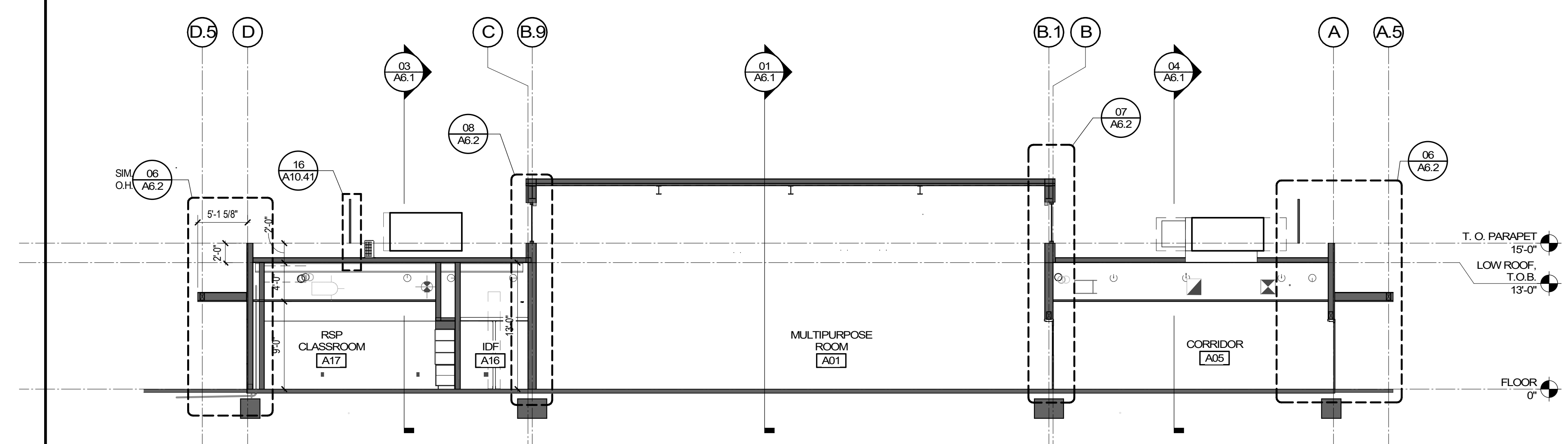
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11/14/2021 9:41:06 AM
11/14/2021 9:41:06 AM



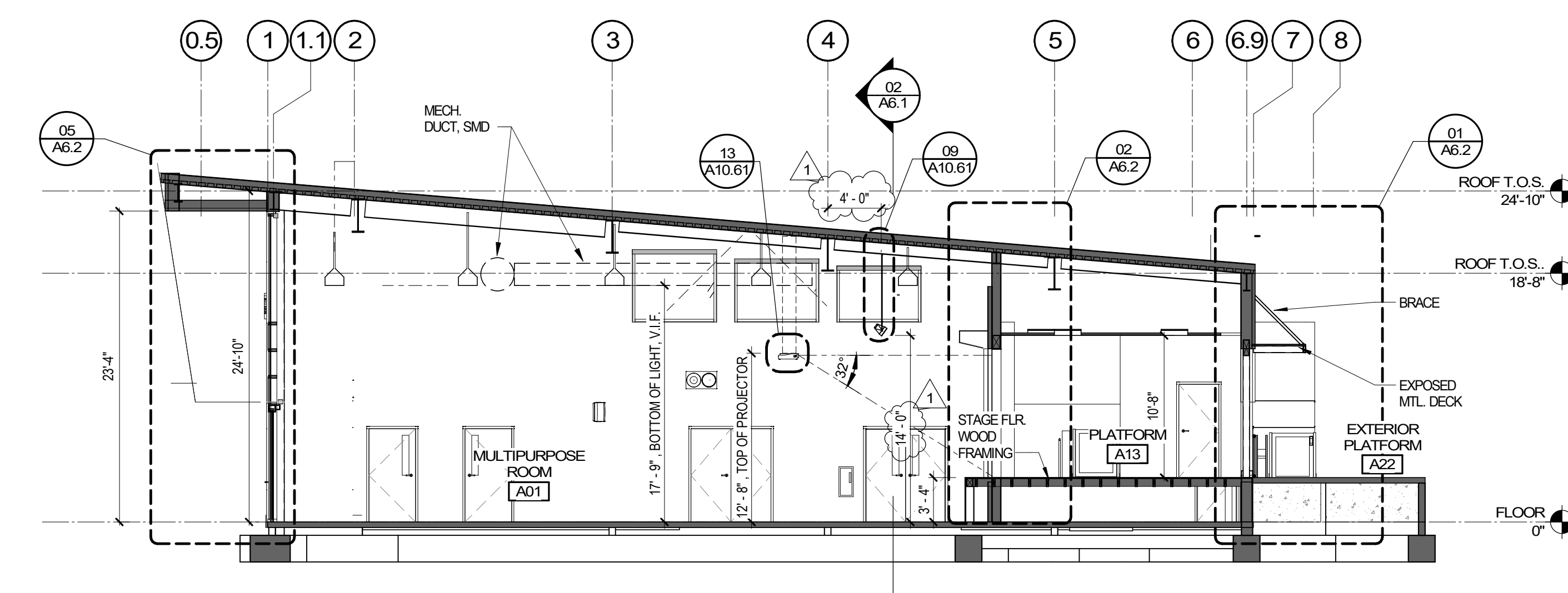
NORTH - SOUTH SECTION AT KITCHEN 04
1/8" = 1'-0"



NORTH - SOUTH SECTION AT CLASSROOMS 03
1/8" = 1'-0"



WEST - EAST SECTION 02
1/8" = 1'-0"



NORTH SOUTH SECTION - HIGH SPACE 01
1/8" = 1'-0"

AGENCY
APPROVAL:

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FILE # 41-26

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KEYNOTES

NO.	NOTE - DETAIL
05.12	ROOF EQUIPMENT SCREEN, SEE BUILDING SECTIONS.
23.05	HVAC ROOF TOP EQUIPMENT ON CURBS, S.M.D.
23.06	MECHANICAL UNIT, S.M.D.

NOTES:

FACILITY:
GEORGE HALL ELEMENTARY SCHOOL
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
BUILDING SECTIONS

DSA BACKCHECK

DATE: 10.04.2021
PROJ NO: 3542-004

SHEET:

PLEASE RECYCLE

A6.1

11/4/2021 9:42:23 AM

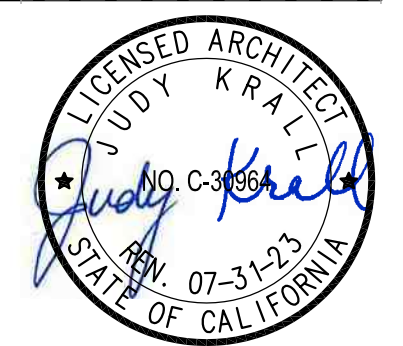
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ISSUE	
DESCRIPTION	DATE
1 ADDENDUM 02	11/19/2021

KEYNOTES	
NO.	NOTE - DETAIL
03.01	CONCRETE STAIR, SSD.
03.02	CONCRETE SLAB, S.S.D.
03.04	CONCRETE WALL, S.S.D.
05.06	HANDRAIL, PAINTED
09.03	CERAMIC TILE FULL HEIGHT AT THIS WALL ONLY
10.03	PAPER TOWEL DISPENSER
10.04	SOAP DISPENSER, OFCI
10.06	36" LONG GRAB BAR
10.07	42" LONG GRAB BAR
10.08	BABY CHANGING STATION, KOALA KARE KB310-SSWM, OR EQ.
10.09	MIRROR 20" X 36"
14.01	WHEELCHAIR LIFT
14.02	WHEELCHAIR LIFT CALL BUTTON. MIN. 24" CLR. TO MOVING PART OR DOOR OF LIFT.
22.04	ACCESSIBLE TOILET, WALL MOUNTED, S.P.D.
22.05	ACCESSIBLE LAVATORY, S.P.D.
22.09	ACCESSIBLE HIGH - LOW DRINKING FOUNTAINS, S.P.D.

LEGEND	
	60" DIAMETER FLOOR TURNING SPACE
	CLEAR FLOOR SPACE AT LAVATORY
	CLEAR FLOOR SPACE AT WALL-HUNG TOILET
	CERAMIC WALL TILE SYSTEM SEE FINISH SCHEDULE FOR TYPE.

NOTES	
1.	FOR FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND LOCATIONS SEE A10.92
2.	REFER TO FINISH PLAN / FINISH SCHEDULE FOR ADDITIONAL INFO.

FACILITY:
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130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
ENLARGED PLANS

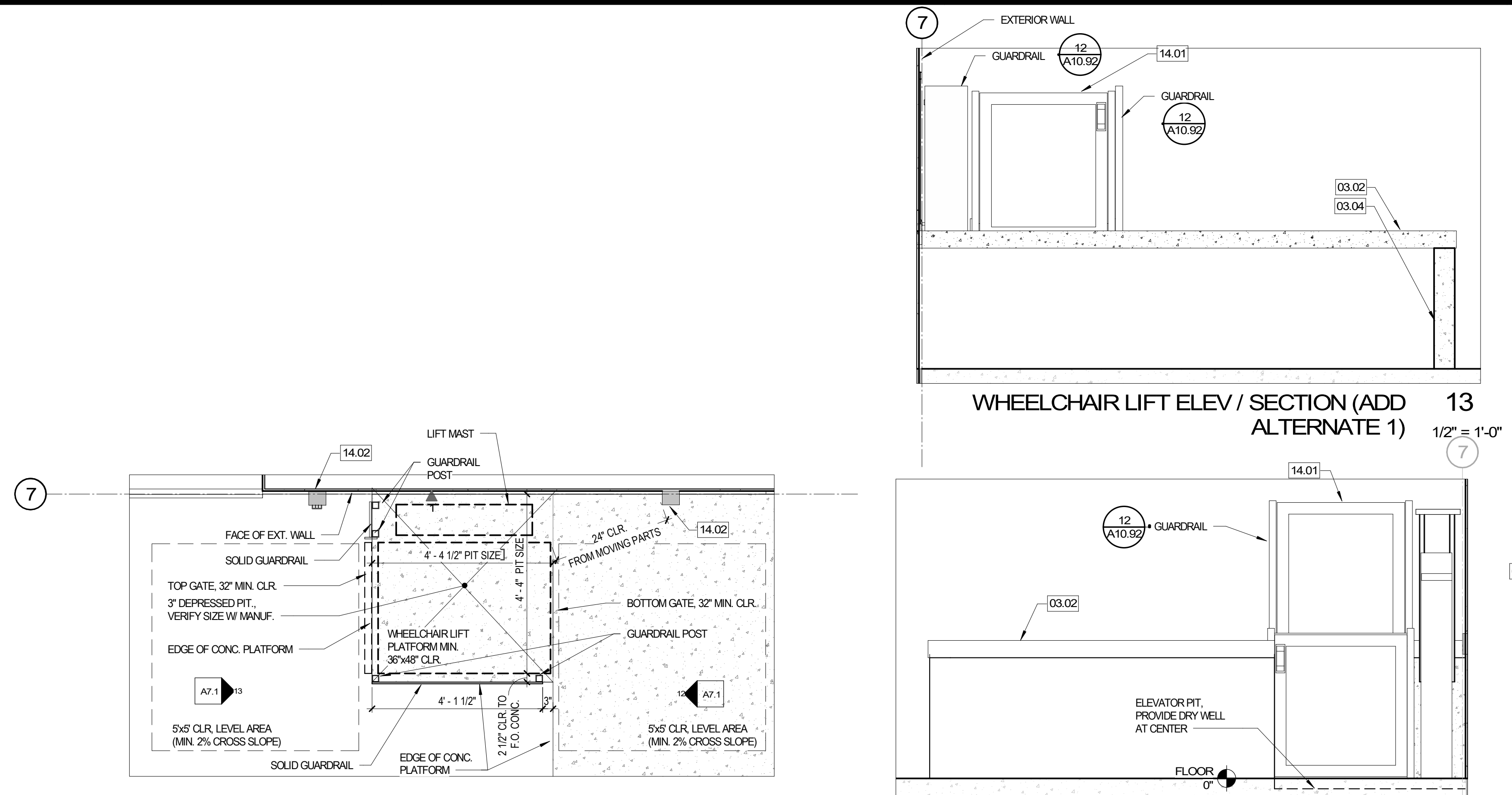
DSA BACKCHECK

DATE: 10.04.2021 PROJ NO: 3542-004

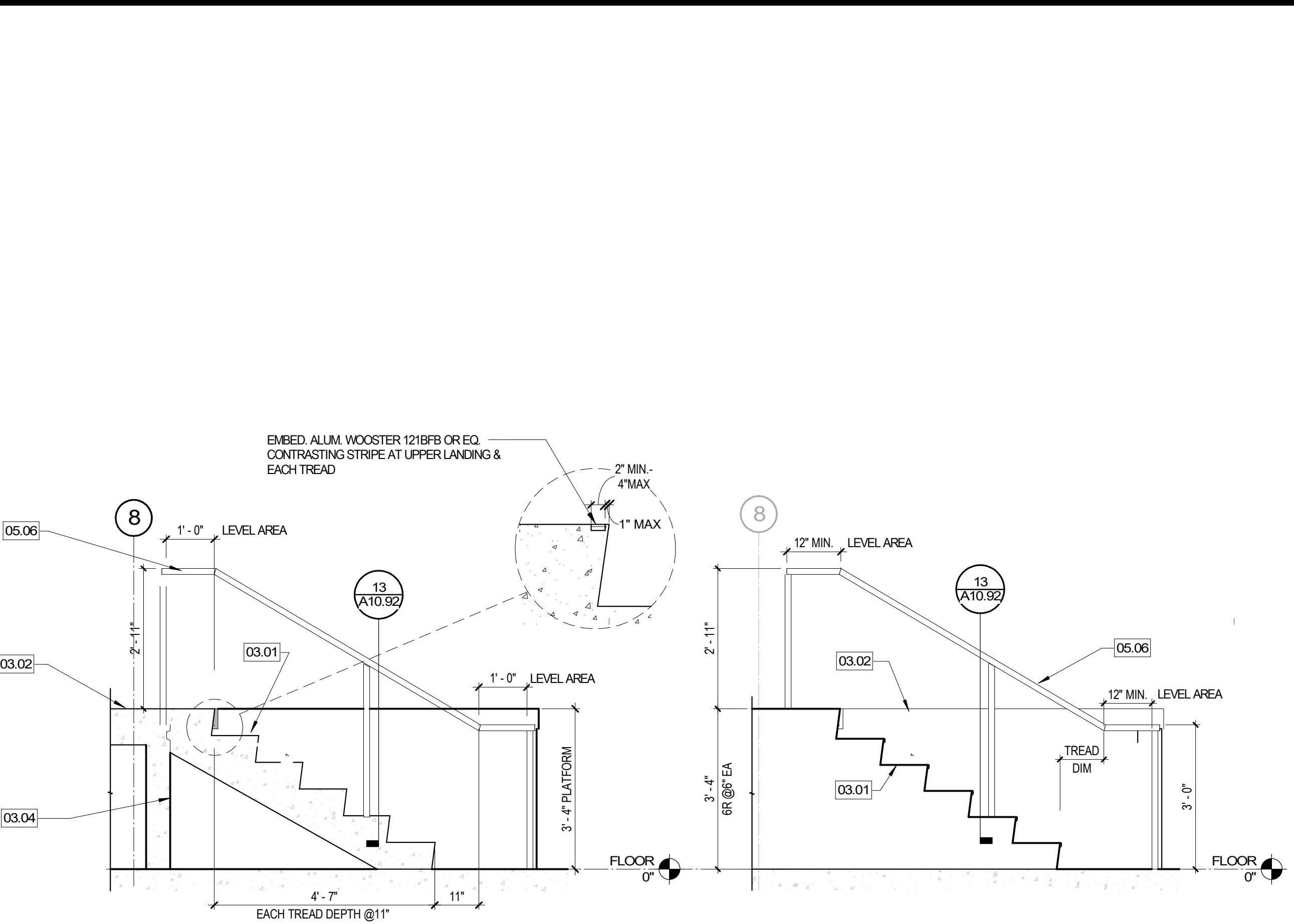
SHEET:

A7.1

PLEASE RECYCLE



WHEELCHAIR LIFT ELEV / SECTION (ADD ALTERNATE 1) 13
1/2" = 1'-0"

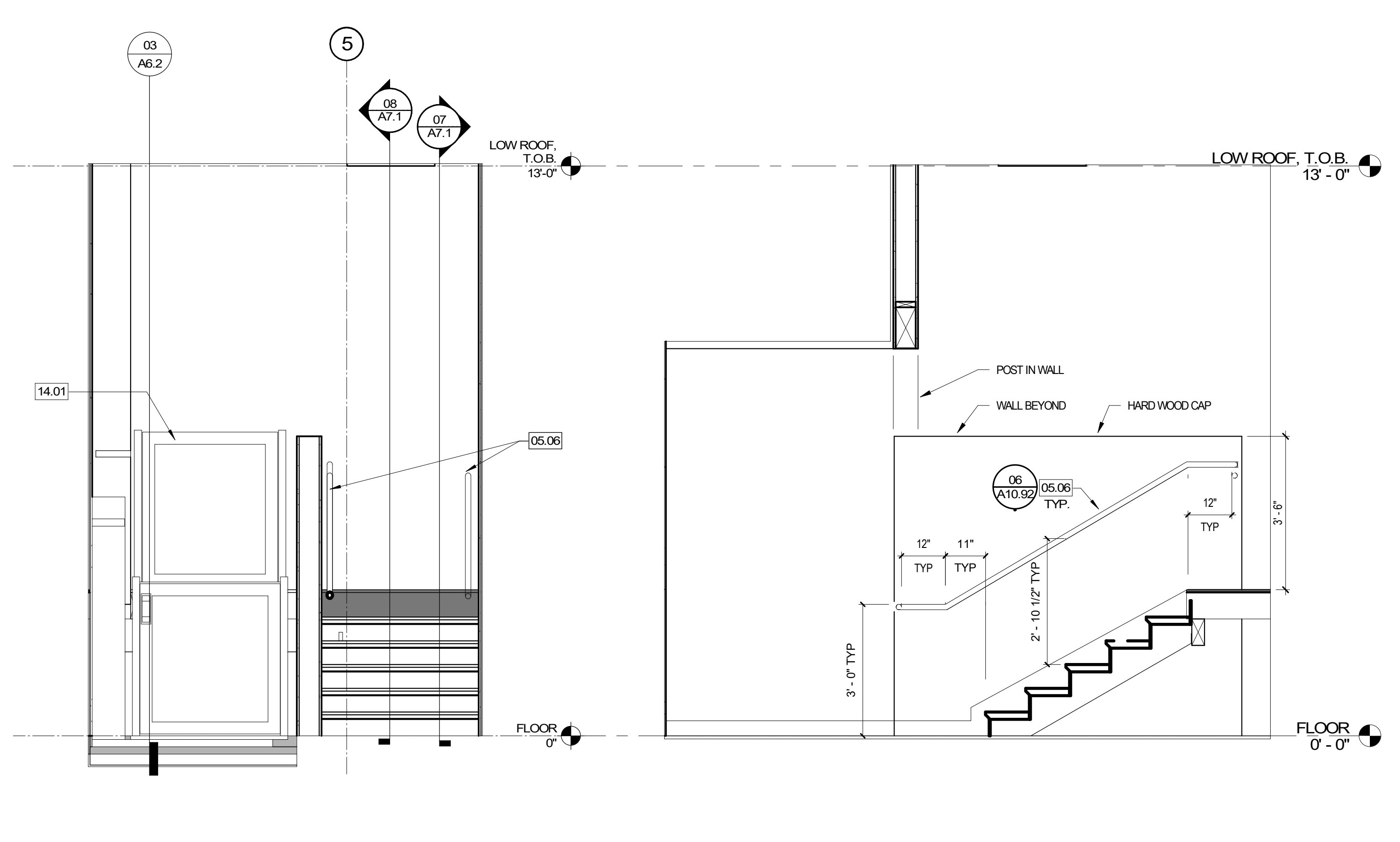


STAIR ELEV (ADD ALTERNATE 1) 10
1/2" = 1'-0"

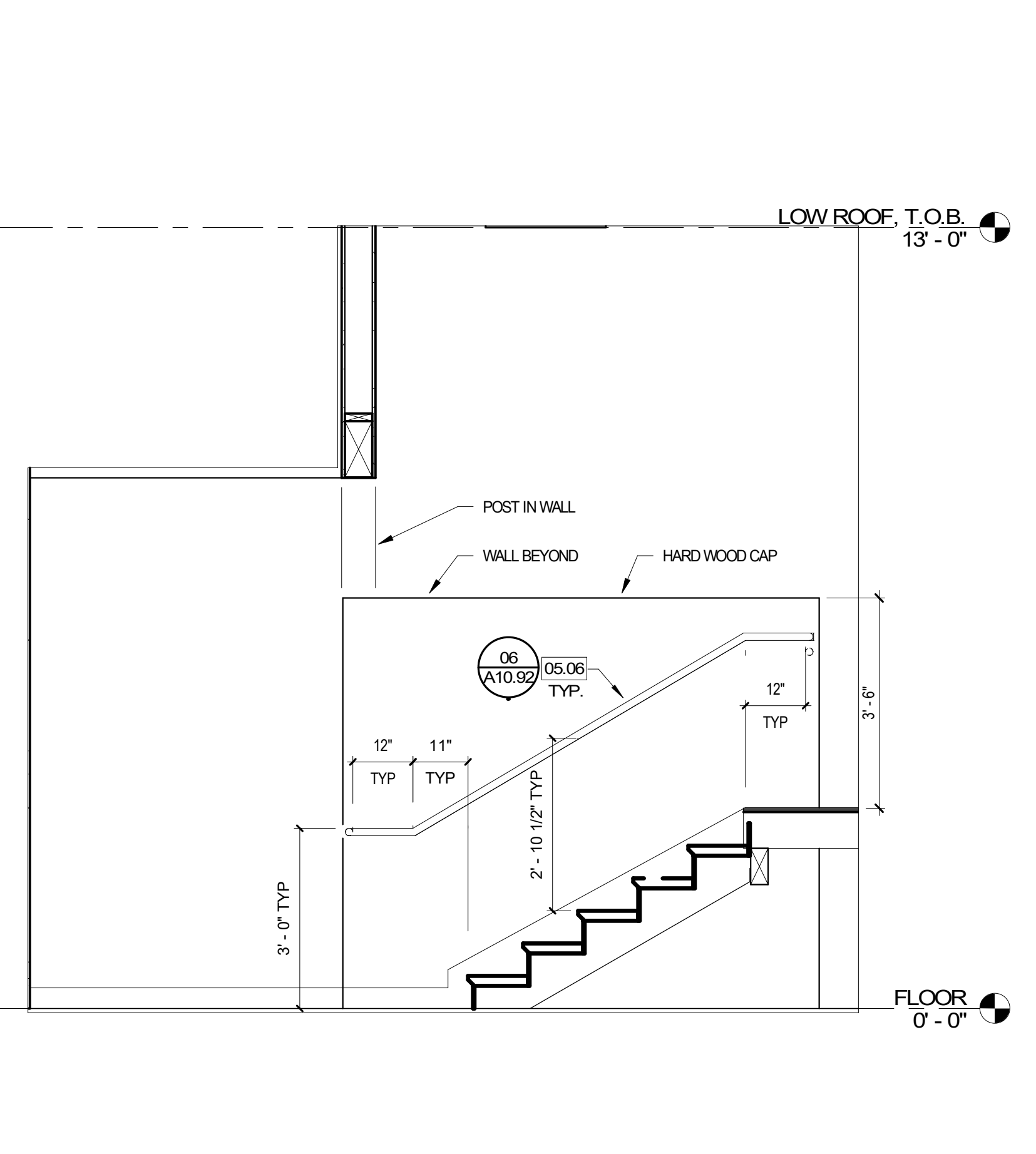
FLOOR PLAN - WHEELCHAIR LIFT 14
1/2" = 1'-0"

WHEELCHAIR LIFT ELEV. (ADD ALTERNATE 1) 12
1/2" = 1'-0"

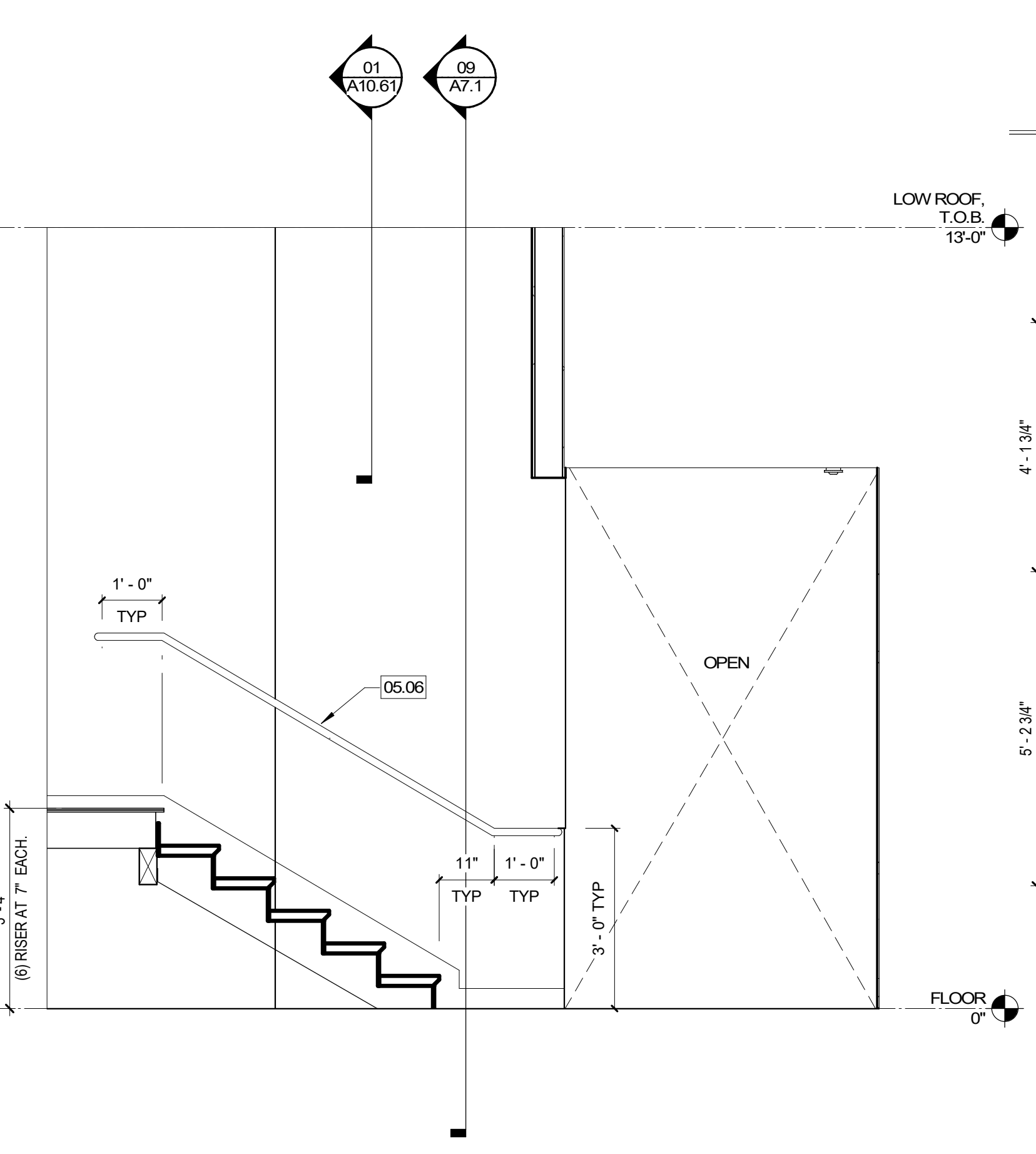
STAIR SECTION (ADD ALTERNATE 1) 11
1/2" = 1'-0"



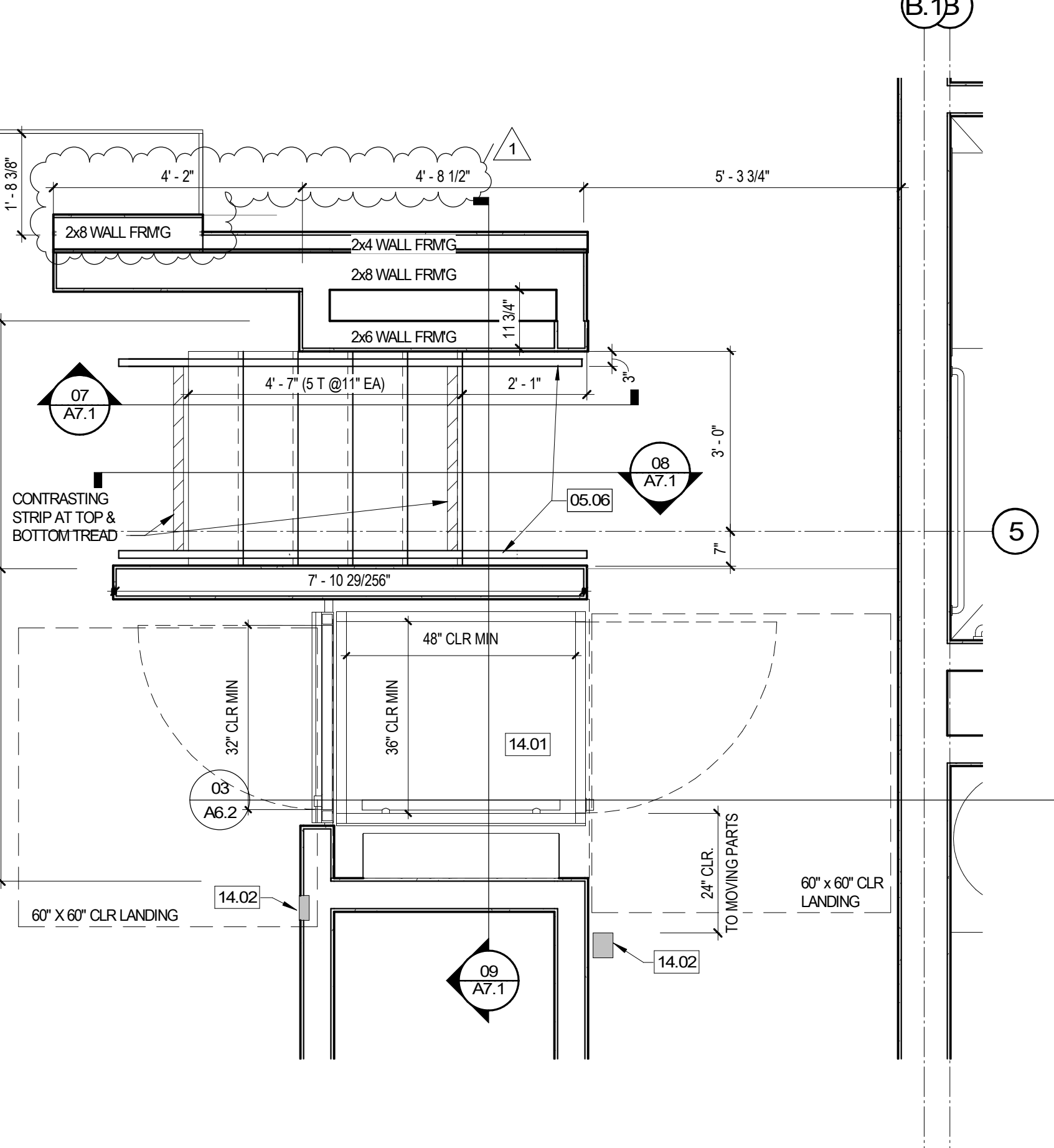
PLATFORM STAIR AND LIFT SECTION 09
1/2" = 1'-0"



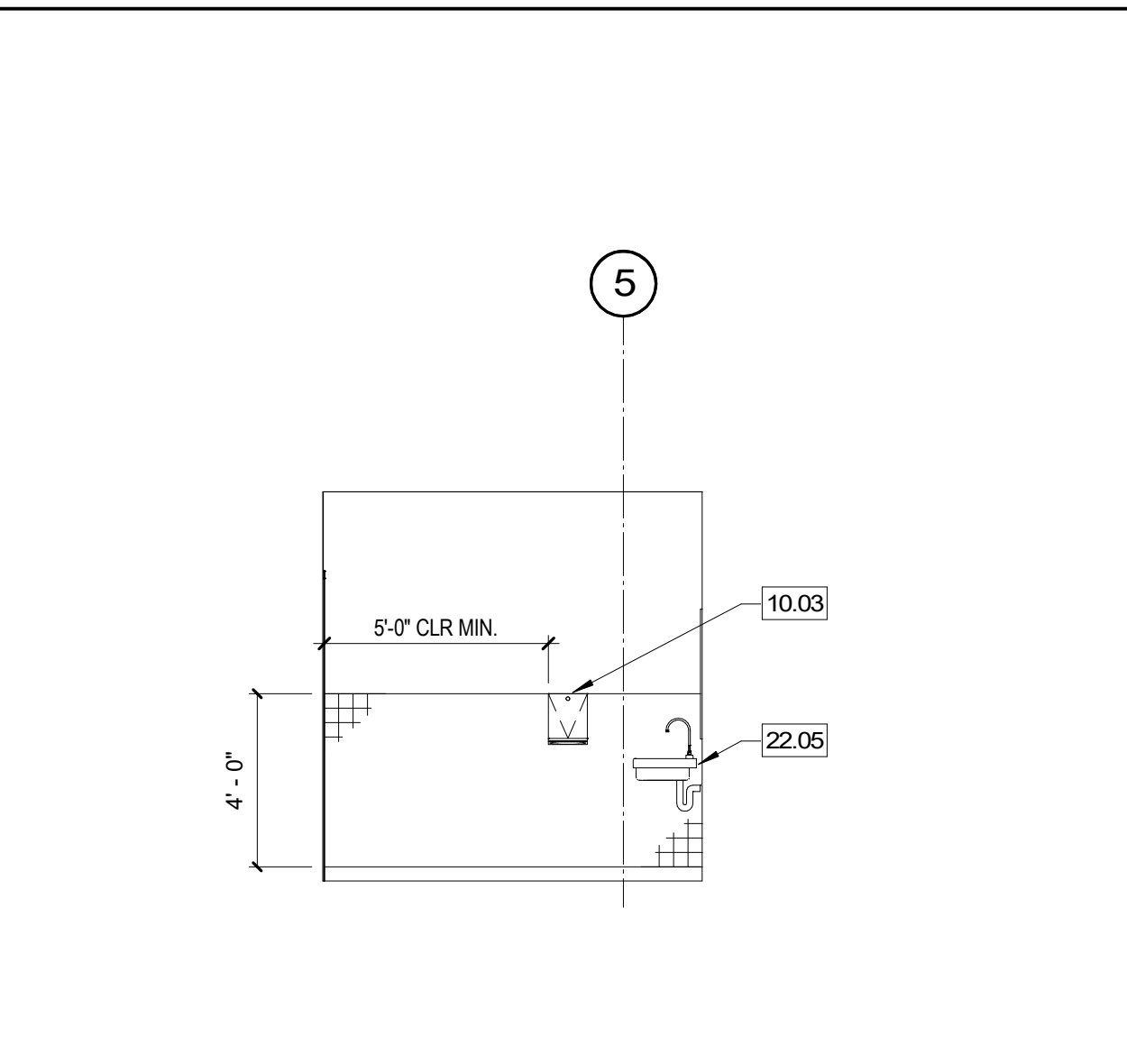
PLATFORM STAIR SECTION - SOUTH ELEVATION 08
1/2" = 1'-0"



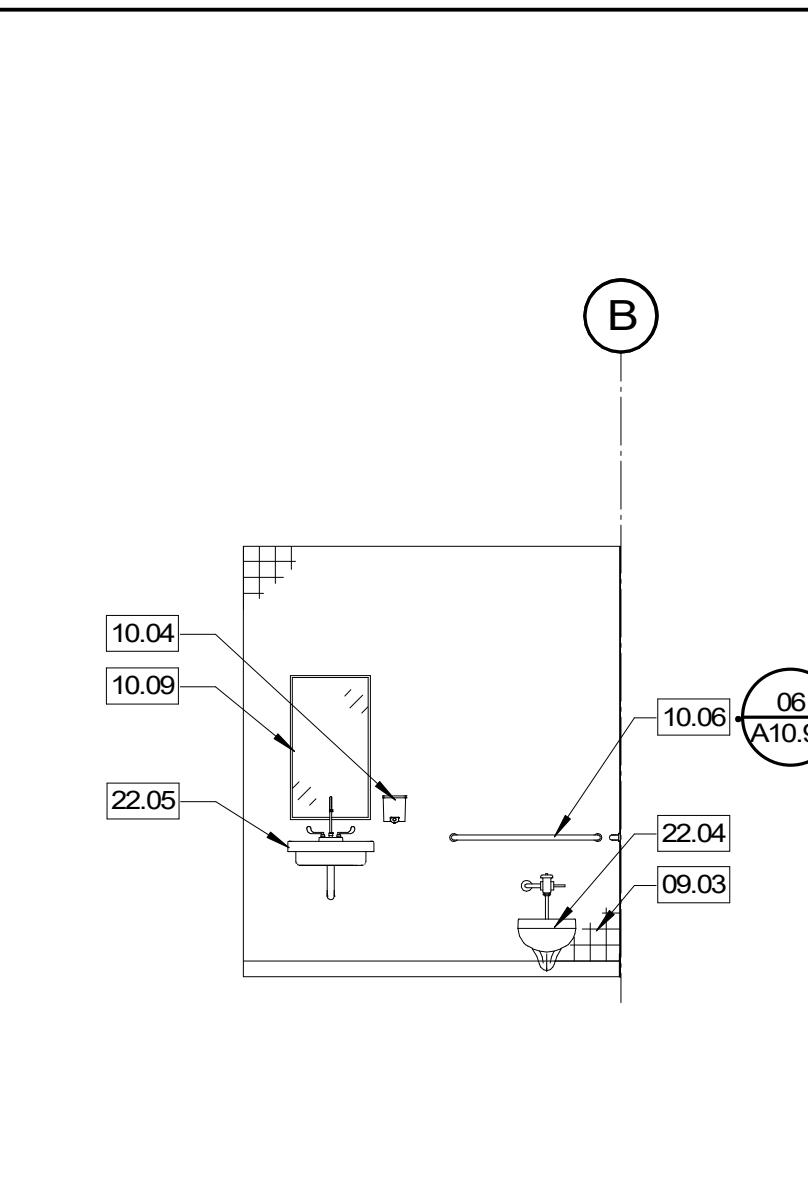
PLATFORM STAIR SECTION - NORTH ELEVATION 07
1/2" = 1'-0"



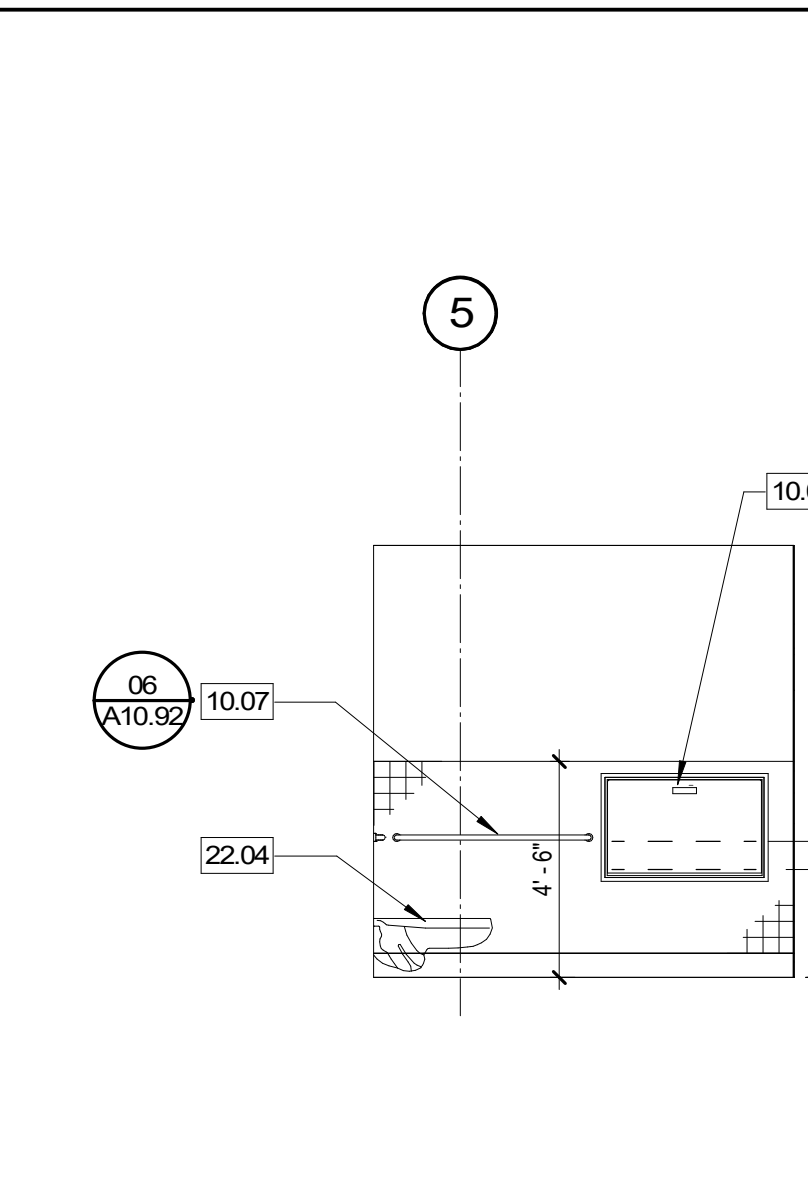
STAIR & WHEELCHAIR LIFT PLAN 06
1/2" = 1'-0"



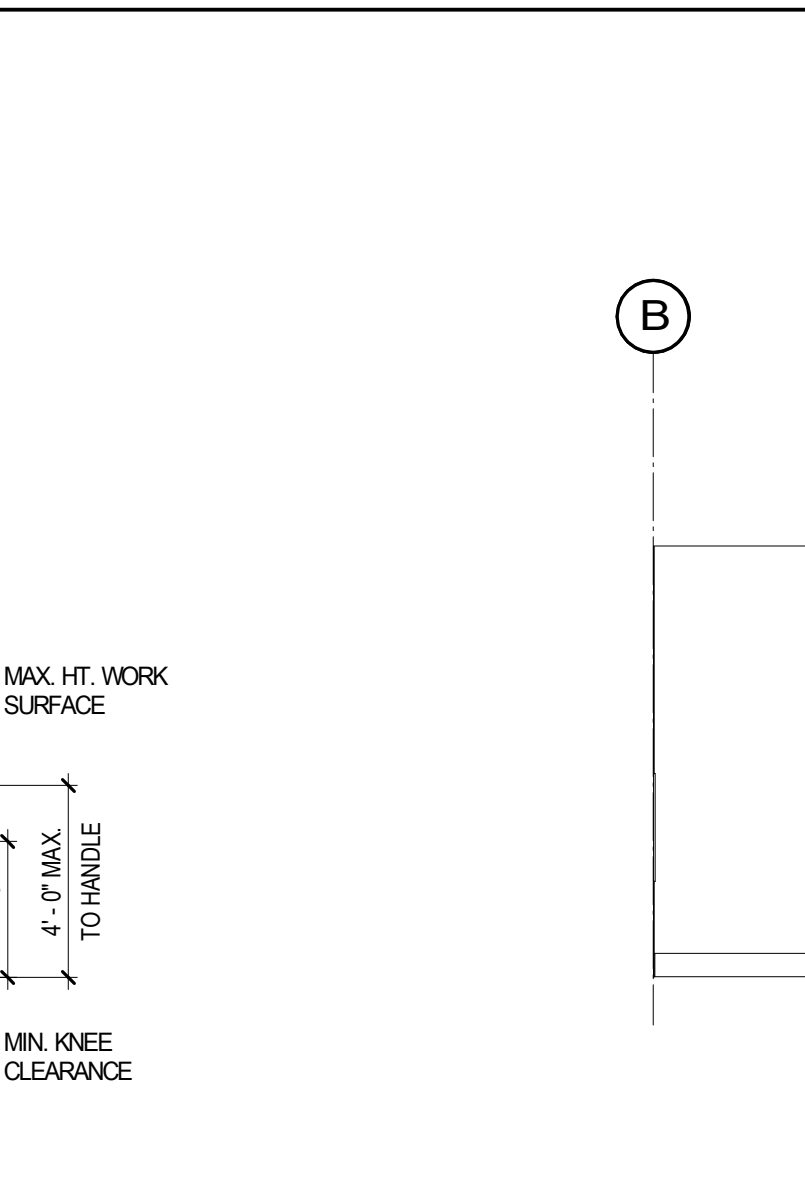
RESTROOM, #A16 - EAST 05
1/4" = 1'-0"



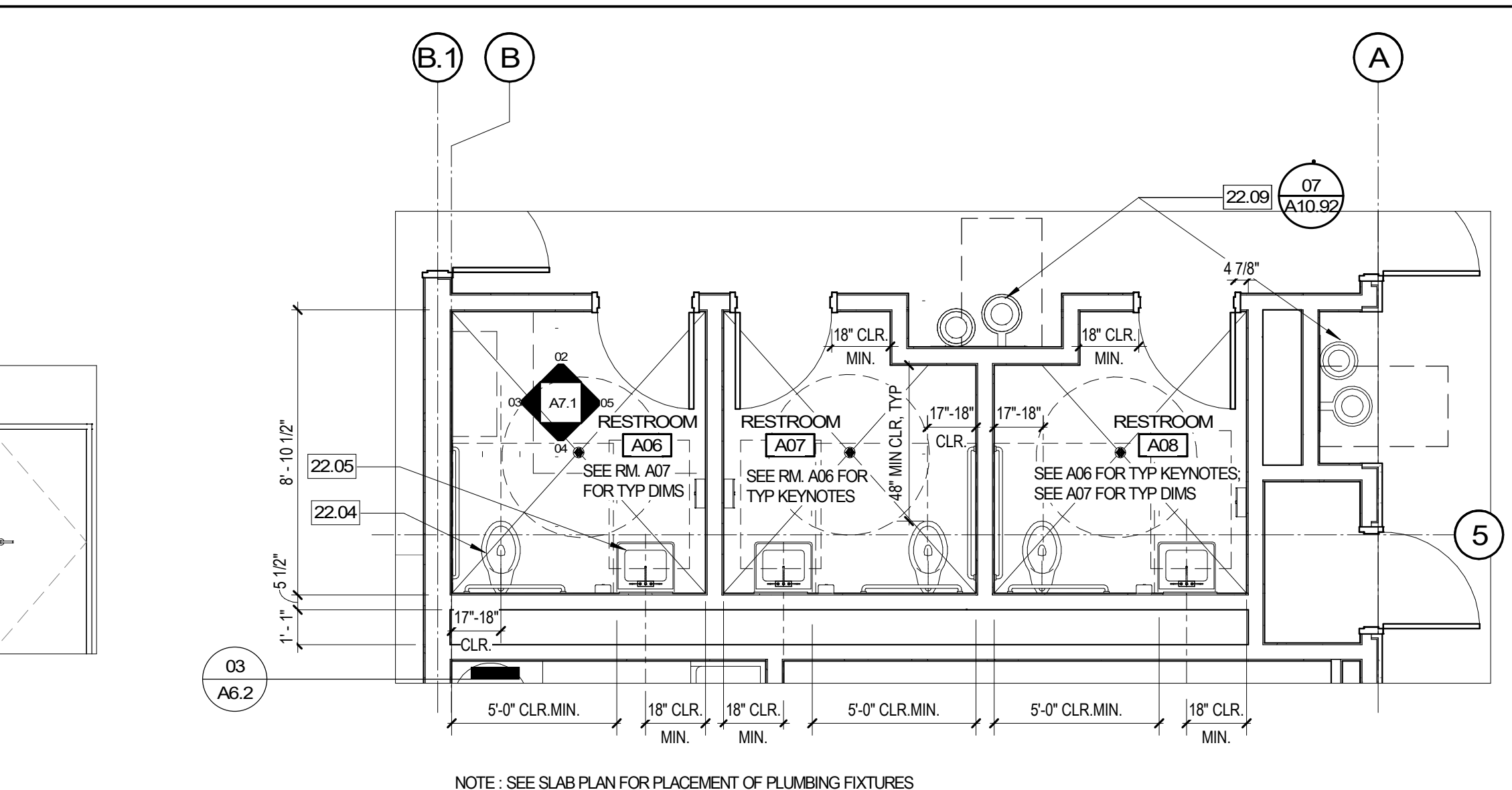
RESTROOM, #A16 - SOUTH 04
1/4" = 1'-0"



RESTROOM, #A16 - WEST 03
1/4" = 1'-0"



RESTROOM, #A16 - NORTH 02
1/4" = 1'-0"

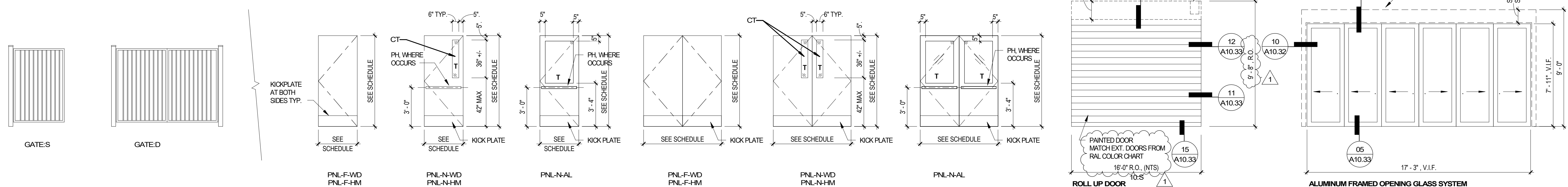


RESTROOMS PLAN 01
1/4" = 1'-0"

11/14/2021 7:55:40 PM

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GENERAL NOTES:
1. ALL GLAZING TO BE INSULATED DUAL PANE U. N.O.
2. FOR ADDITIONAL HARDWARE, SEE HARDWARE SPECIFICATIONS.



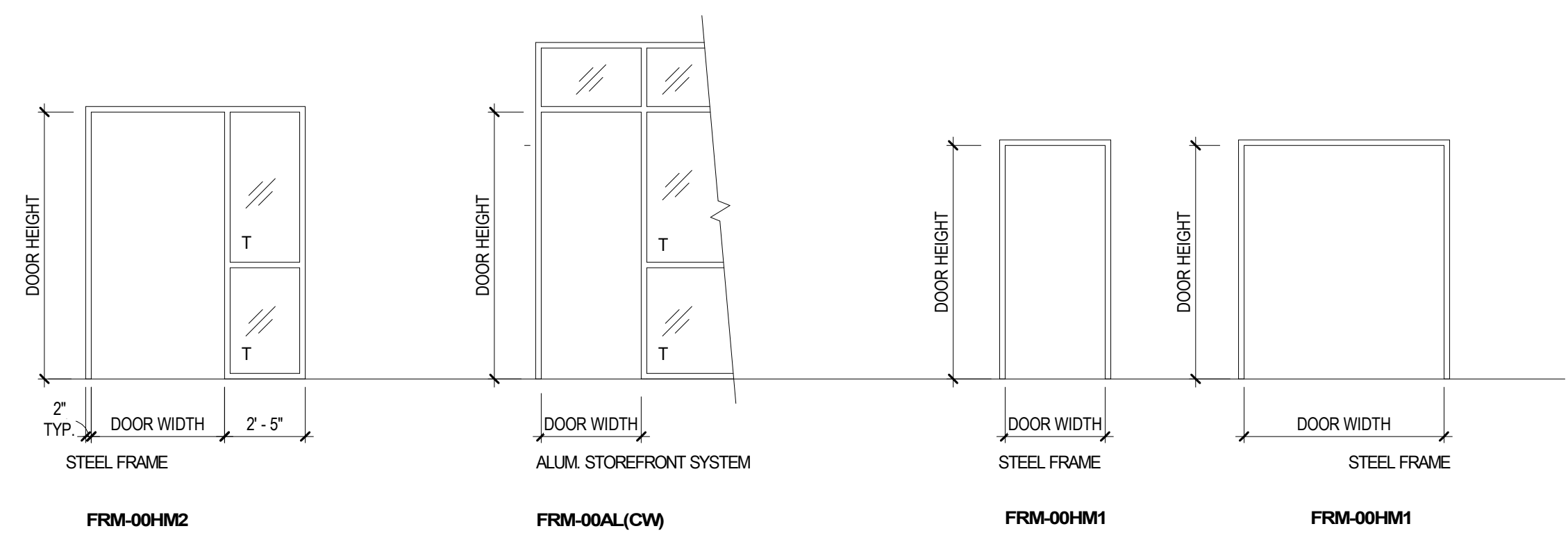
DOOR PANEL TYPES
04
1/4" = 1'-0"

ARCH - DOOR SCHEDULE - CORE AND SHELL															
DOOR		DOOR PANELS						DOOR FRAME				THRESHOLD	HW SET	COMMENTS	
NUMBER	FIRE RATING (MIN)	PANEL TYPE		PANEL DIMENSIONS		HEIGHT	THICKNESS	FINISH 1	TYPE	FINISH 1	HEAD				JAMB
		PANEL 1	PANEL 2	PANEL 1	PANEL 2										
FLOOR															
01A	-	PNL-FG-AL	PNL-FG-AL	3'-0"	3'-0"	8'-10"	1 3/4"	CA	FRM-00AL(CW)	CA		10A/10.32	01A/10.33	08	PH, DC, #1)
01C	-	PNL-FG-AL	PNL-FG-AL	3'-0"	3'-0"	8'-10"	1 3/4"	CA	FRM-00AL(CW)	CA		10A/10.32	01A/10.33	08	PH, DC, #1)
01D	-	PNL-F-HM		3'-0"	3'-0"	7'-0"	1 3/4"	EP4	FRM-00HM1	EP4	02A/10.33	03A/10.33	01A/10.33	07	PH, DC, #1)
02A	-	PNL-F-HM		3'-0"	3'-0"	7'-0"	1 3/4"	EP4	FRM-00AL(CW)	EP4	08A/10.32	04A/10.33	01A/10.33	02	DC, #1)
02B	-	PNL-F-HM		3'-0"	3'-0"	7'-0"	1 3/4"	EP4	FRM-00AL(CW)	EP4	08A/10.32	04A/10.33	01A/10.33	02	DC, #1)
02C	-	PNL-N-WD		3'-0"	3'-0"	7'-0"	1 3/4"	P8	FRM-00HM1	P8	02A/10.33	03A/10.33	01A/10.33	11	DC, #1)
02D	-	PNL-N-WD		3'-6"	3'-0"	7'-0"	1 3/4"	P8	FRM-00HM1	P8	02A/10.33	03A/10.33	01A/10.33	11	DC, #1)
03A	-	PNL-F-HM	PNL-F-HM	3'-0"	3'-0"	7'-0"	1 3/4"	EP4	FRM-00HM1	EP4	02A/10.33	03A/10.33	01A/10.33	10	KP -CR, DC
04A	-	PNL-F-WD	-	3'-0"	3'-0"	7'-0"	1 3/4"	P8	FRM-00HM1	P8	02A/10.33	03A/10.33		19	
05A	-	PNL-F-HM	PNL-F-HM	3'-0"	3'-0"	7'-0"	1 3/4"	EP4	FRM-00HM1	EP4	02A/10.33	03A/10.33	01A/10.33	09	PH, KP - CR, DC
05B	-	PNL-N-WD	PNL-F-HM	3'-0"	3'-0"	7'-0"	1 3/4"	P3	FRM-00HM1	P3	02A/10.33	03A/10.33		18	PH, #1)
06A	-	PNL-F-WD		3'-0"	3'-0"	7'-0"	1 3/4"	P8	FRM-00HM1	P8	02A/10.33	03A/10.33		16	
07A	-	PNL-F-WD		3'-0"	3'-0"	7'-0"	1 3/4"	P8	FRM-00HM1	P8	02A/10.33	03A/10.33		16	
08A	-	PNL-F-WD		3'-0"	3'-0"	7'-0"	1 3/4"	P8	FRM-00HM1	P8	02A/10.33	03A/10.33		16	
08A	-	PNL-F-HM		3'-0"	3'-0"	7'-0"	1 3/4"	EP4	FRM-00HM1	EP4	02A/10.33	03A/10.33	01A/10.33	05	
10A	-	PNL-F-HM		3'-0"	3'-0"	7'-0"	1 3/4"	EP4	FRM-00HM1	EP4	02A/10.33	03A/10.33	01A/10.33	03	DC
10B	-	PNL-F-HM		4'-0"	7'-0"	7'-0"	1 3/4"	EP4	FRM-00HM2	EP4	02A/10.33	03A/10.33	01A/10.33	03	DC
11A	-	PNL-F-WD		3'-0"	3'-0"	7'-0"	1 3/4"	P3	FRM-00HM1	P3	02A/10.33	03A/10.33	17A/10.33	14	
12A	-	PNL-F-WD		3'-0"	3'-0"	7'-0"	1 3/4"	P8	FRM-00HM1	P8	02A/10.33	03A/10.33		17	
14A	-	PNL-N-WD		3'-0"	3'-0"	7'-0"	1 3/4"	P8	FRM-00HM1	P8	02A/10.33	03A/10.33		13	
14B	-	PNL-N-HM		3'-0"	3'-0"	7'-0"	1 3/4"	EP4	FRM-00HM1	EP4	02A/10.33	03A/10.33	01A/10.33	06	DC
15A	-	PNL-F-HM		3'-0"	3'-0"	7'-0"	1 3/4"	EP4	FRM-00HM1	EP4	02A/10.33	03A/10.33	01A/10.33	01	DC
16A	-	PNL-F-WD		3'-0"	3'-0"	7'-0"	1 3/4"	P1	FRM-00HM1	P1	02A/10.33	03A/10.33		15	
17A	-	PNL-F-HM		3'-0"	3'-0"	7'-0"	1 3/4"	EP4	FRM-00AL(CW)	EP4	08A/10.32	04A/10.33	01A/10.33	04	DC, #1)
18A	-	PNL-F-HM		3'-0"	3'-0"	7'-0"	1 3/4"	EP4/P2	FRM-00AL(CW)	EP4/P2	08A/10.32	04A/10.33	01A/10.33	04	DC, #1)
18B	-	PNL-F-WD		3'-0"	3'-0"	7'-0"	1 3/4"	P2/P3	FRM-00HM1	P2/P3	02A/10.33	03A/10.33		12	#1)
19A	-	PNL-F-HM		3'-0"	3'-0"	7'-0"	1 3/4"	EP4/P1	FRM-00AL(CW)	EP4/P1	08A/10.32	04A/10.33	01A/10.33	04	DC, #1)
20A	-	PNL-F-HM		3'-0"	3'-0"	7'-0"	1 3/4"	EP4/P1	FRM-00AL(CW)	EP4/P1	08A/10.32	04A/10.33	01A/10.33	04	DC, #1)

LEGEND:
CA CLEAR ANODIZED
CA INTERIOR PAINT, SEMI GLOSS
EPX EXTERIOR PAINT, SEMI GLOSS
PH PANIC HARDWARE
KP KEY PAD - CARD READER FOR ELECTRIFIED DOOR
DC DOOR CONTACT FOR INTRUSION ALARM

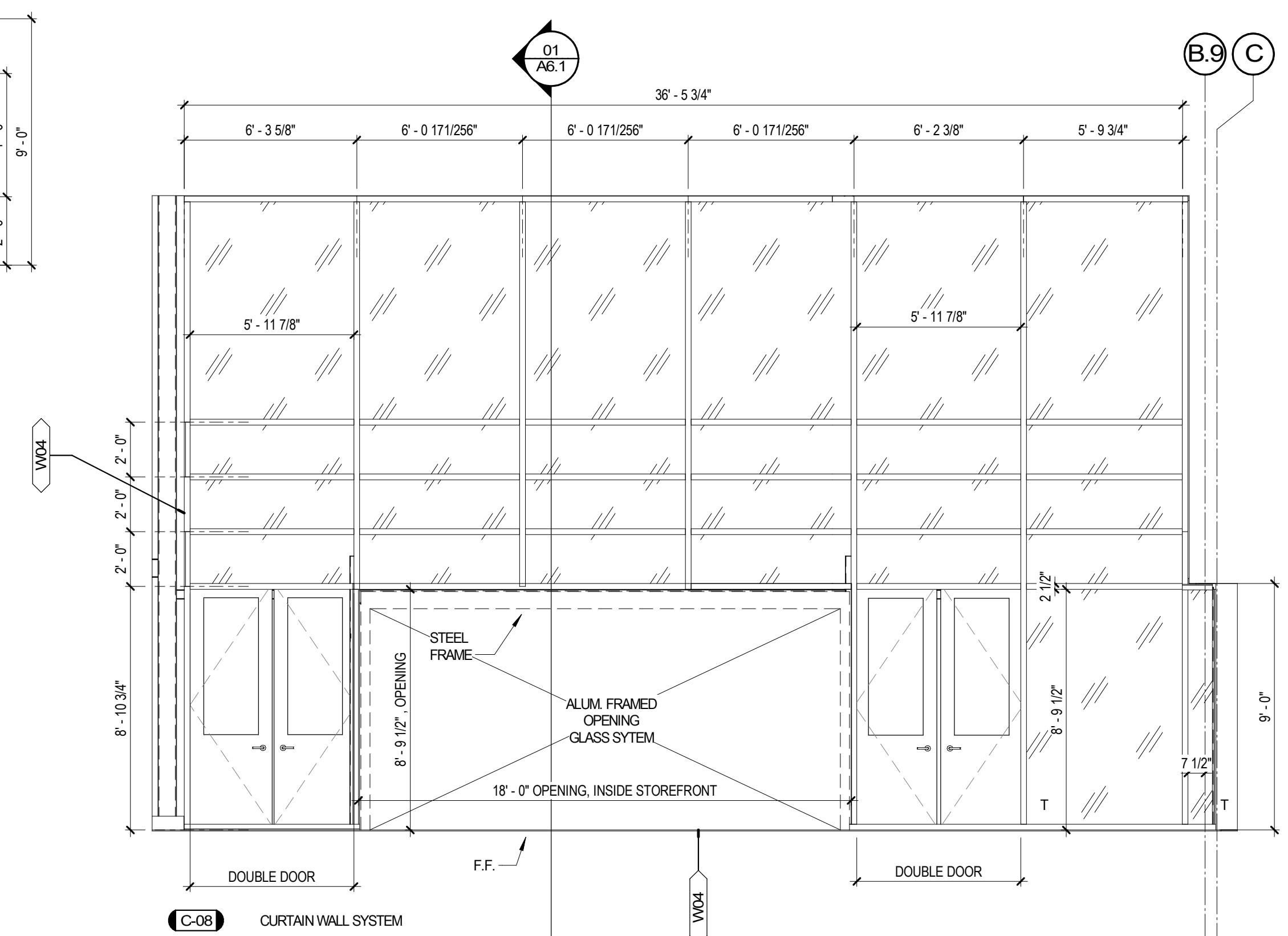
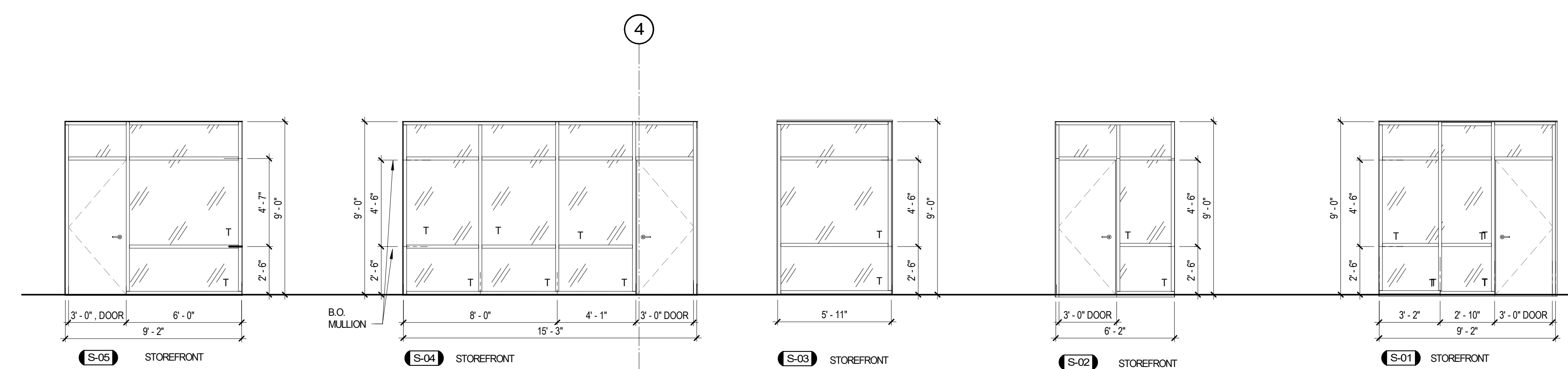
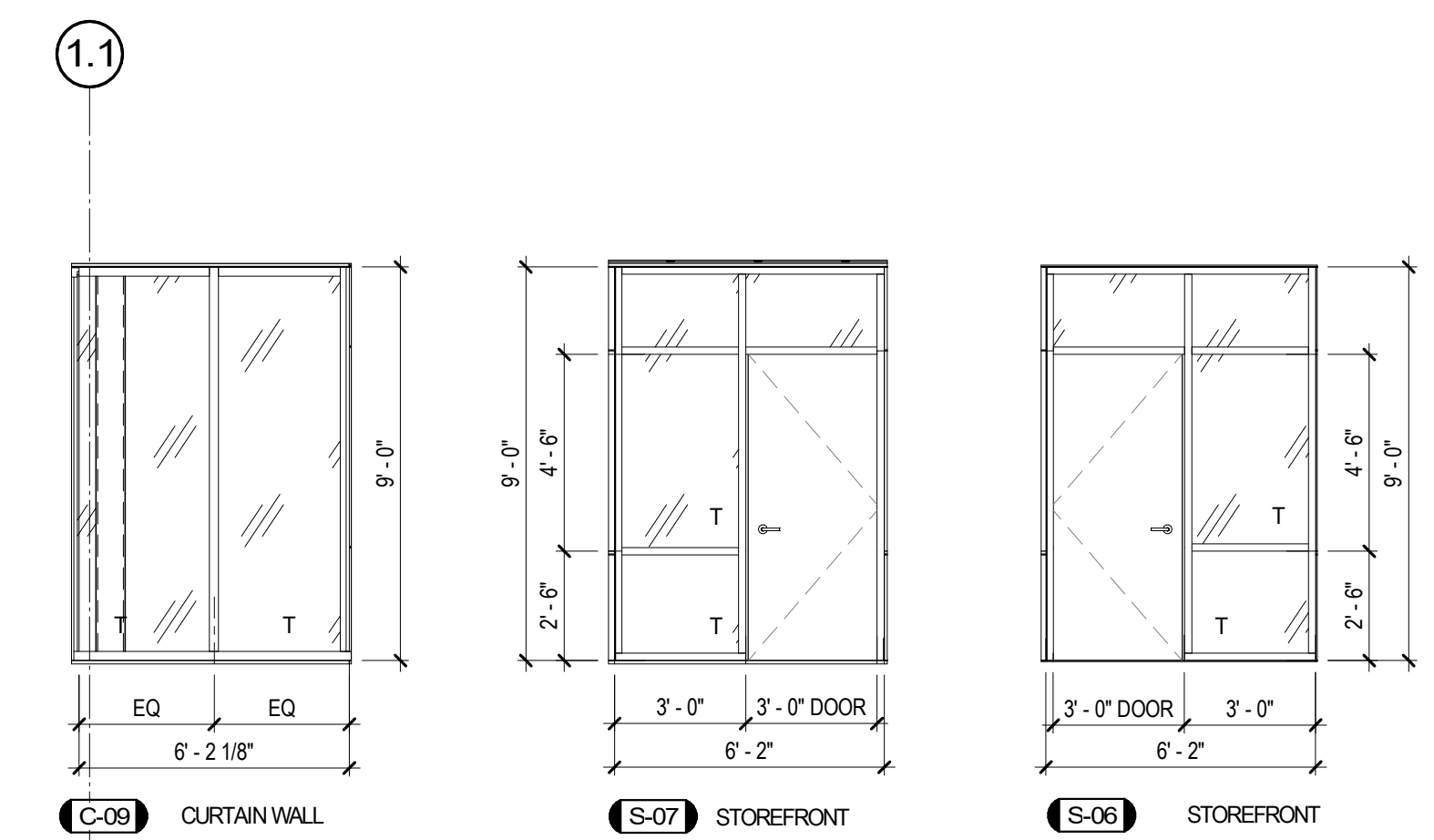
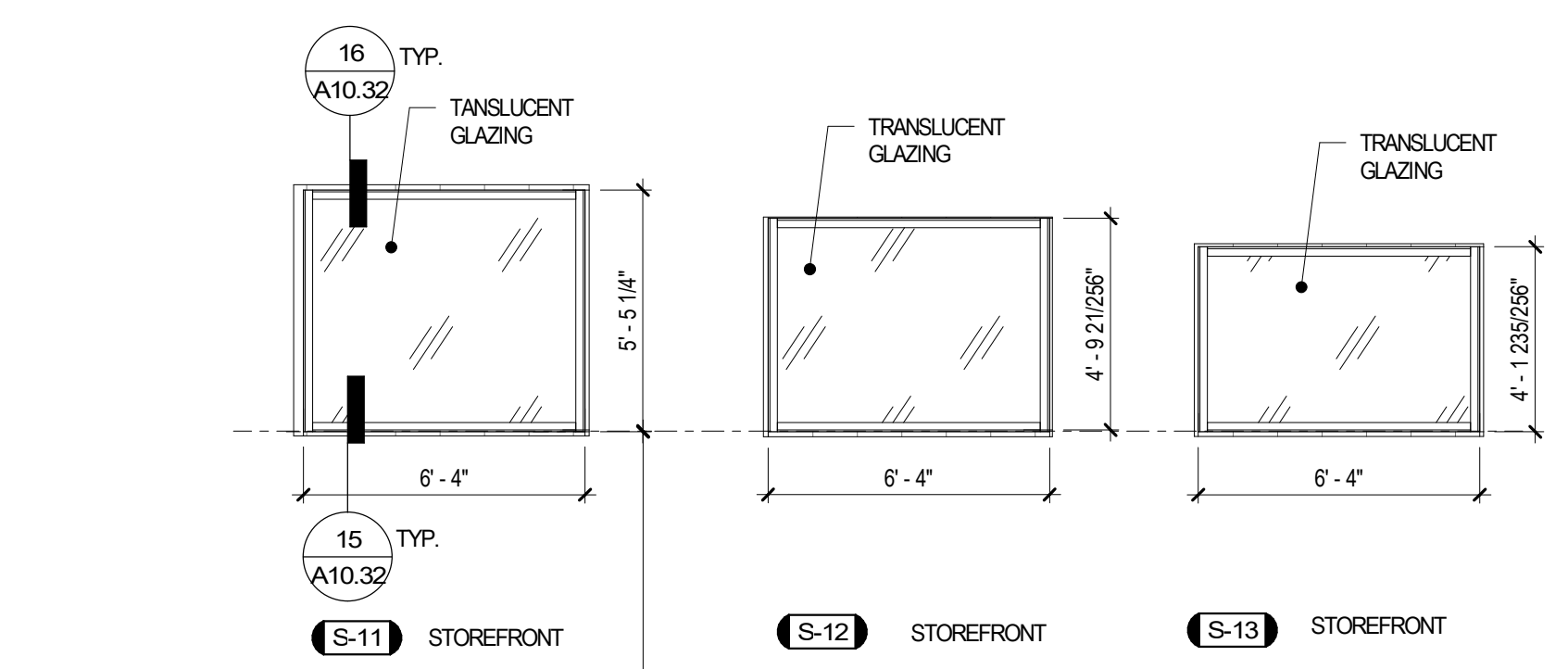
NOTES:
#1) DOOR TO BE LOCKABLE FROM INSIDE, PER CBC 1010.1.11.
SEE DOOR HARDWARE SPECS.

GENERAL NOTES:
1. SEE WINDOW SCHEDULE FOR ADJ. WINDOW DIMENSIONS.
2. SEE SHEET A10.33 FOR TYPICAL ATTACHMENT & THRESHOLD DETAILS.



DOOR SCHEDULE
03
1/4" = 1'-0"

LEGEND - DOOR FRAMES
02
1/4" = 1'-0"



OPENINGS, STOREFRONTS, CURTAIN
WALL SYSTEMS
01
1/4" = 1'-0"

AGENCY APPROVAL:
DSA # 01-119574
FILE # 41-26

SAN MATEO-FOSTER CITY
SCHOOL DISTRICT
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ISSUE

DESCRIPTION DATE

1 ADDENDUM 02 11/19/2021

KEYNOTES
NO. NOTE - DETAIL

LEGEND
C-08 C = CURTAIN WALL
S = STOREFRONT

NOTES
1. STOREFRONT / CURTAIN WALL SYSTEMS ARE ELEVATED FROM EXTERIOR.
2. STOREFRONT / CURTAIN WALL WIDTH DIMENSIONS SHOWN ARE DIMENSIONS
WITHOUT TOLLERANCES GAP. ADJUST ROUGH OPENING ACCORDINGLY.

FACILITY:
GEORGE HALL ELEMENTARY SCHOOL
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

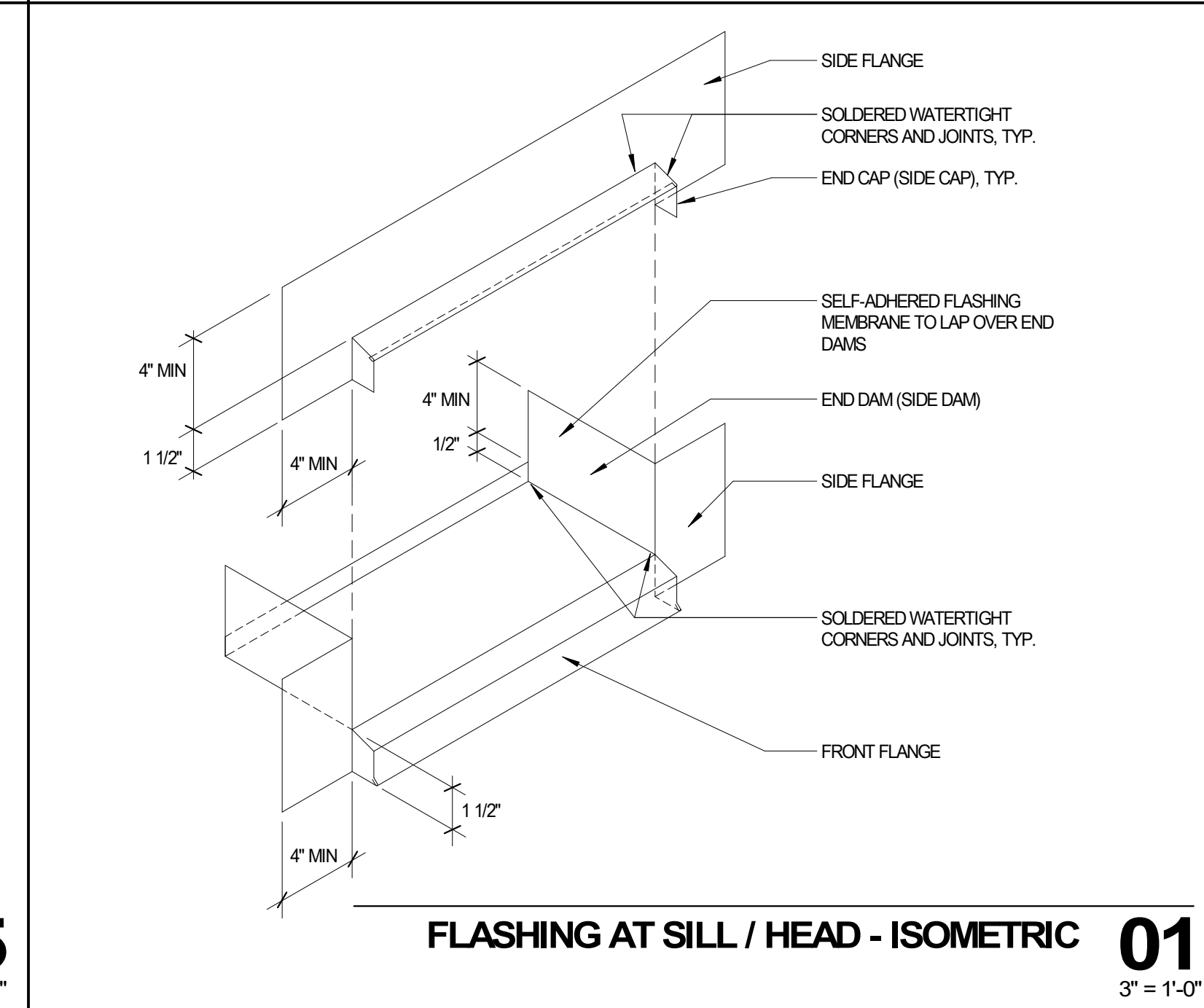
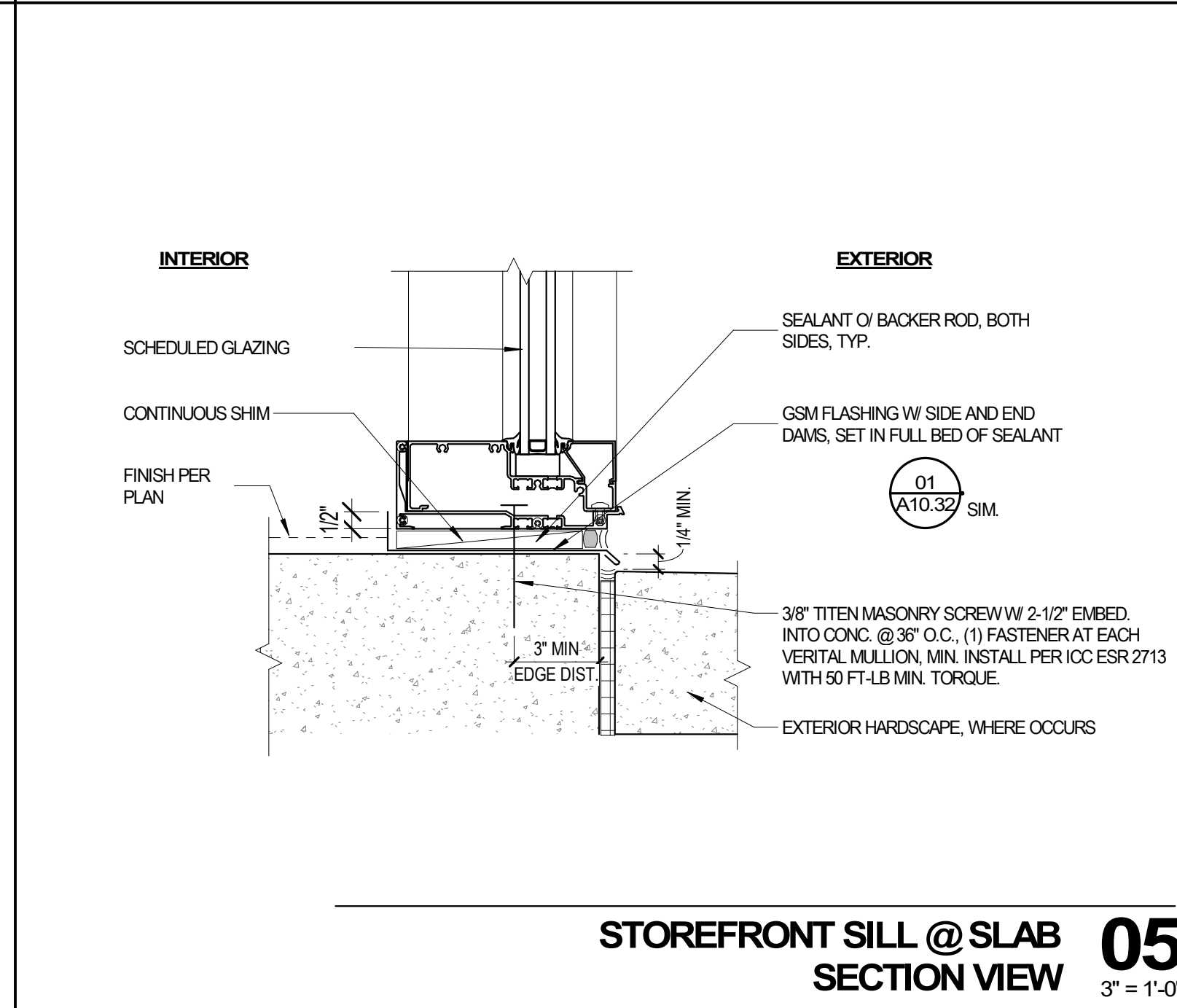
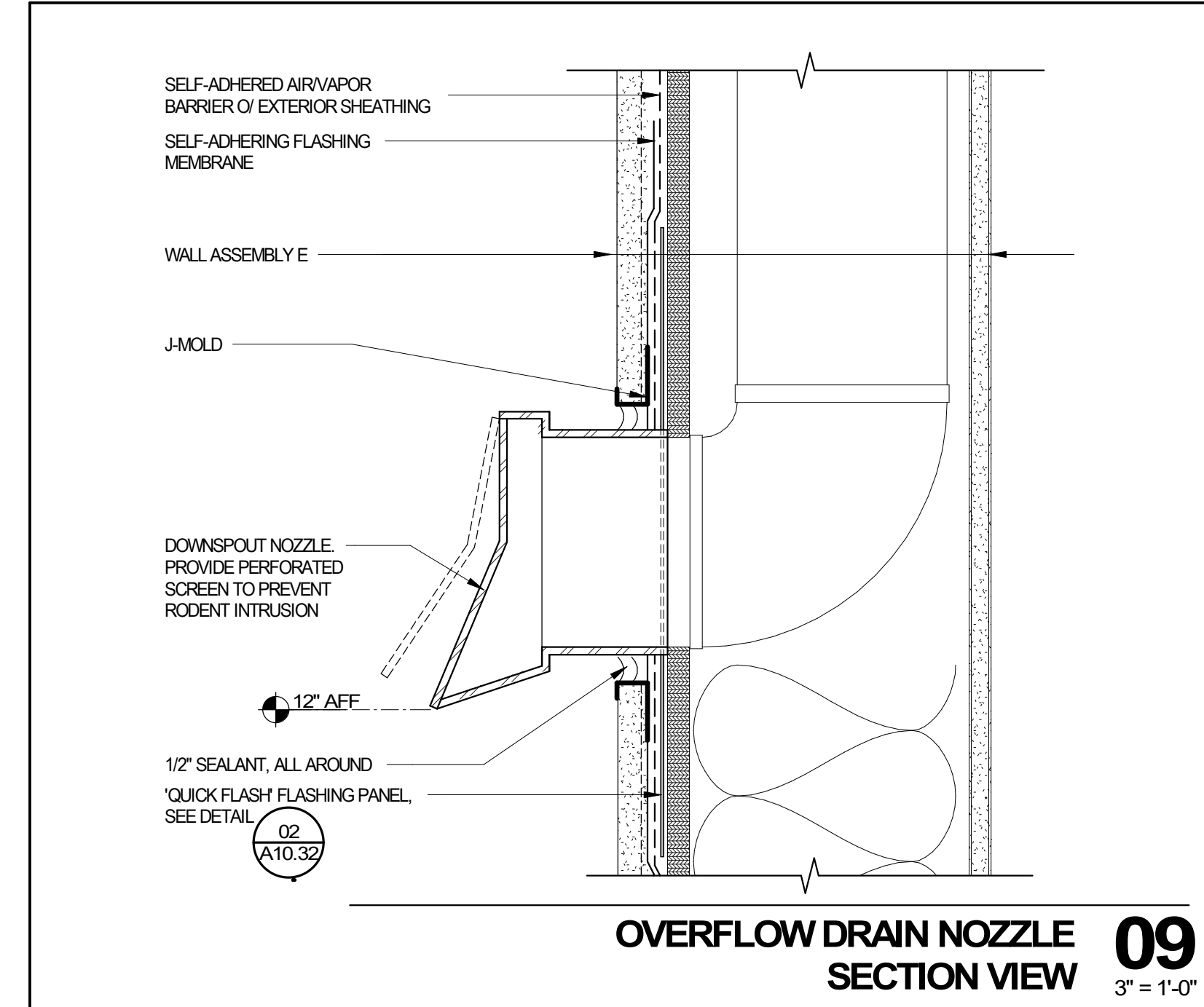
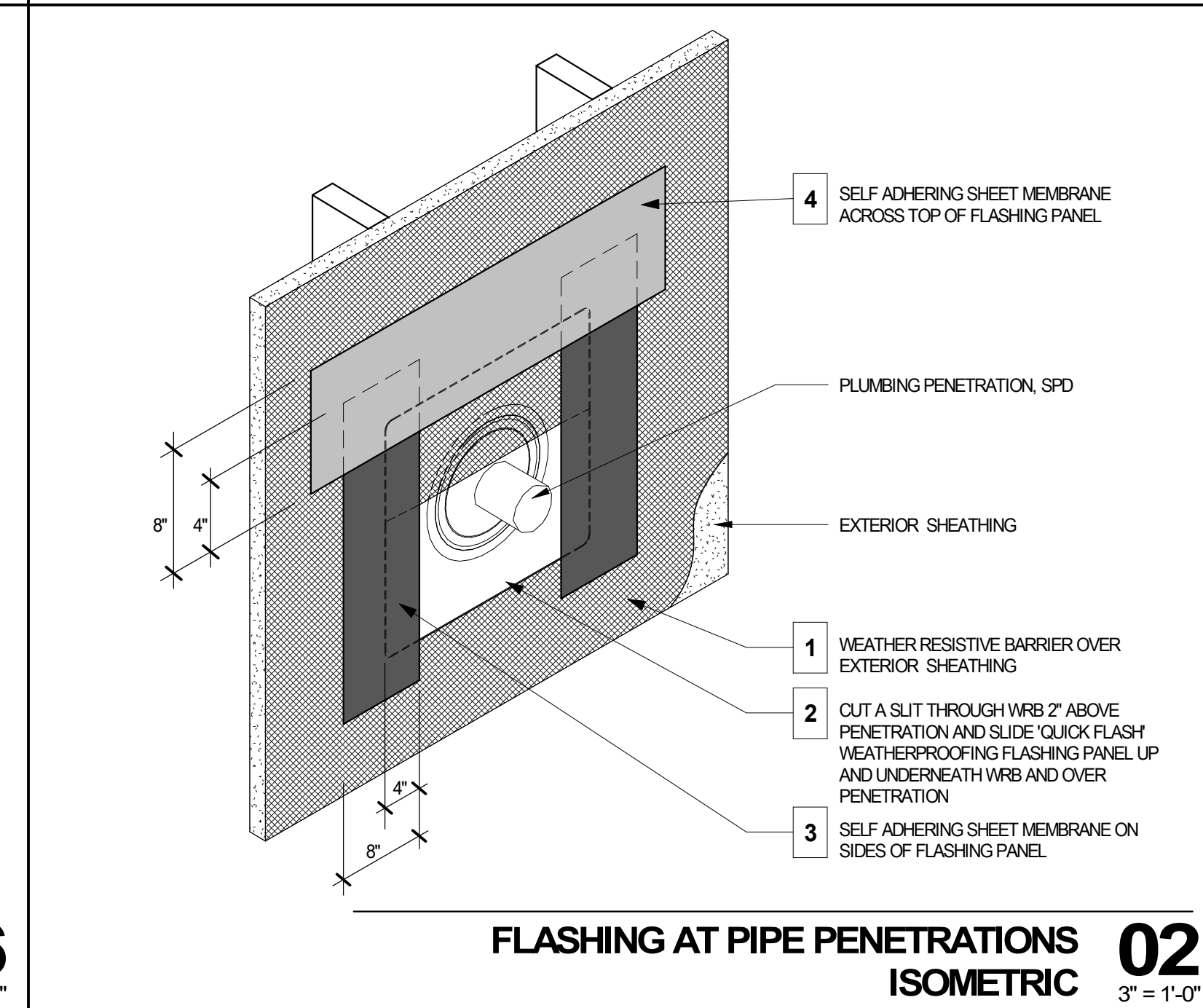
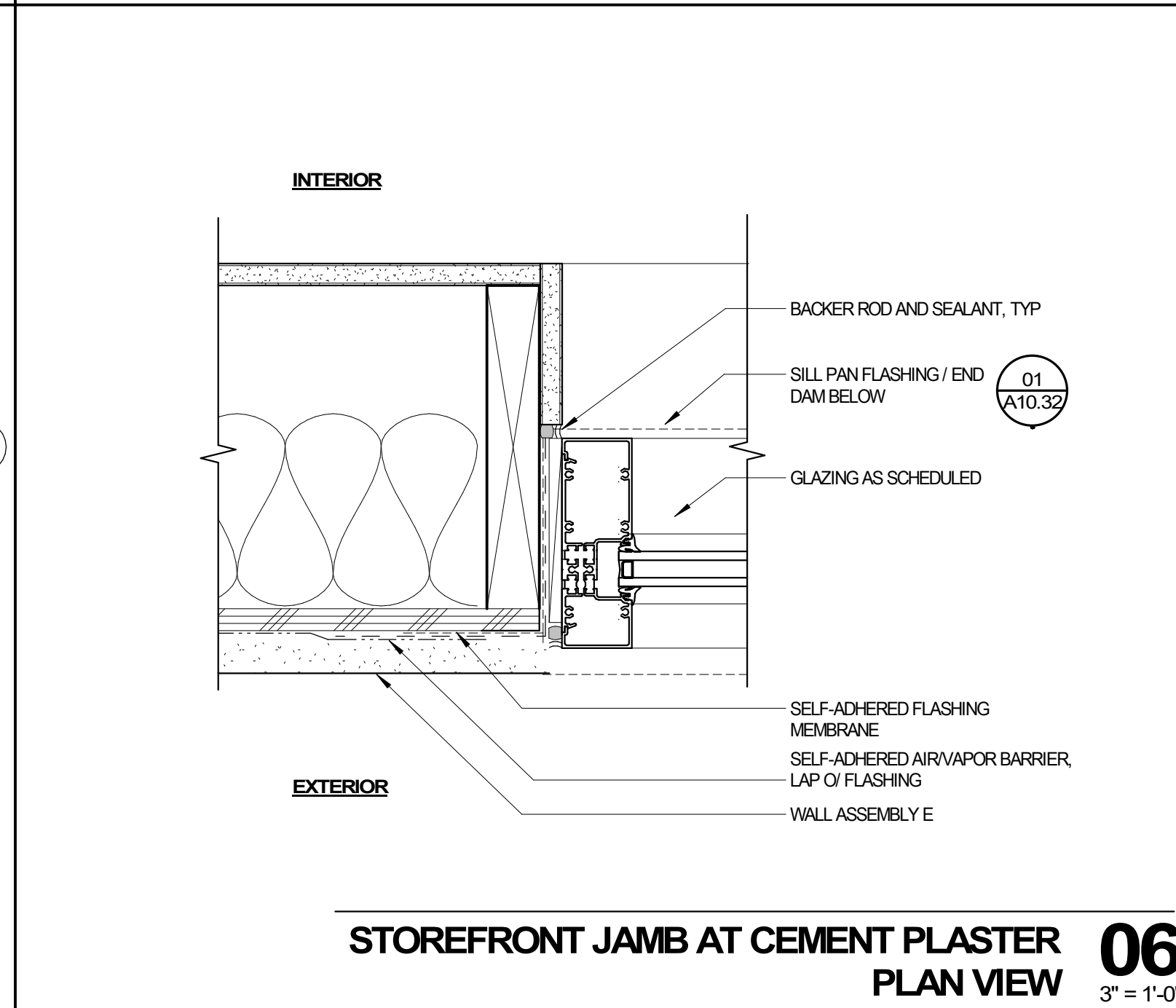
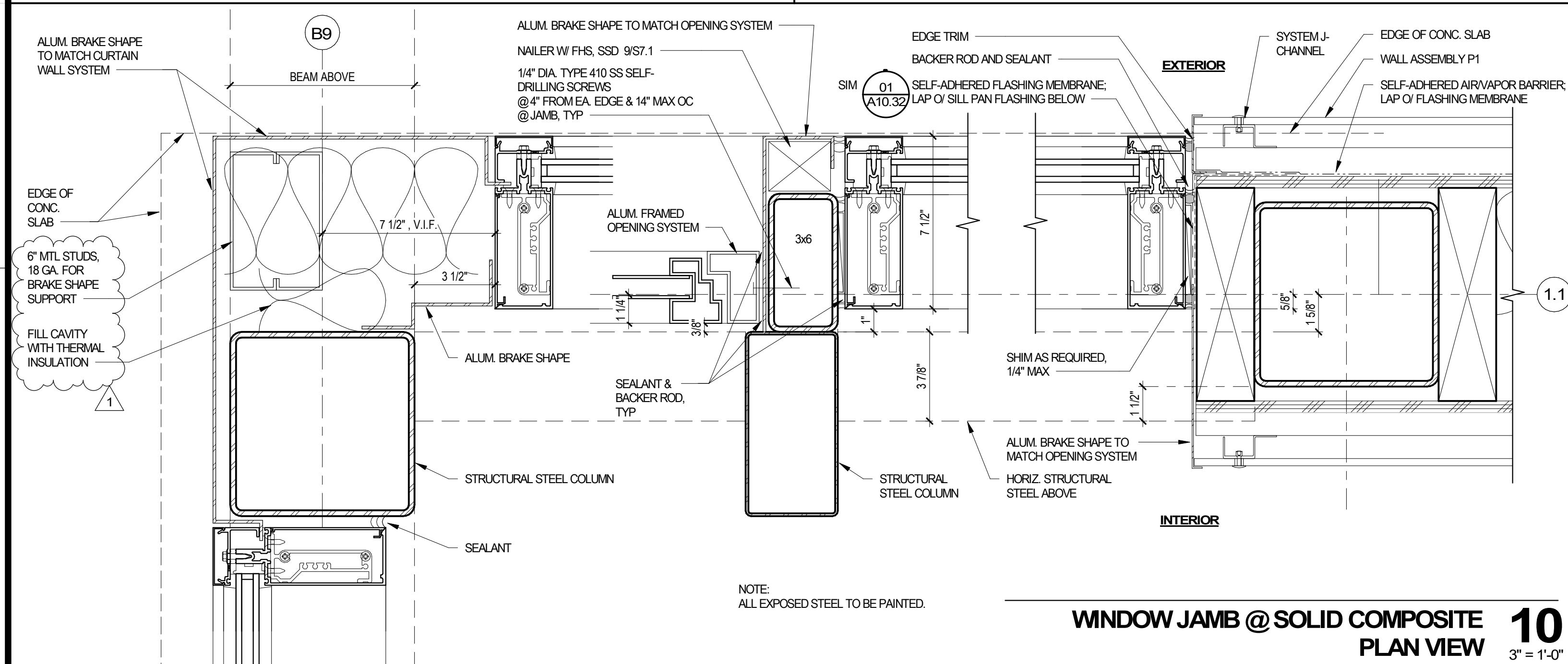
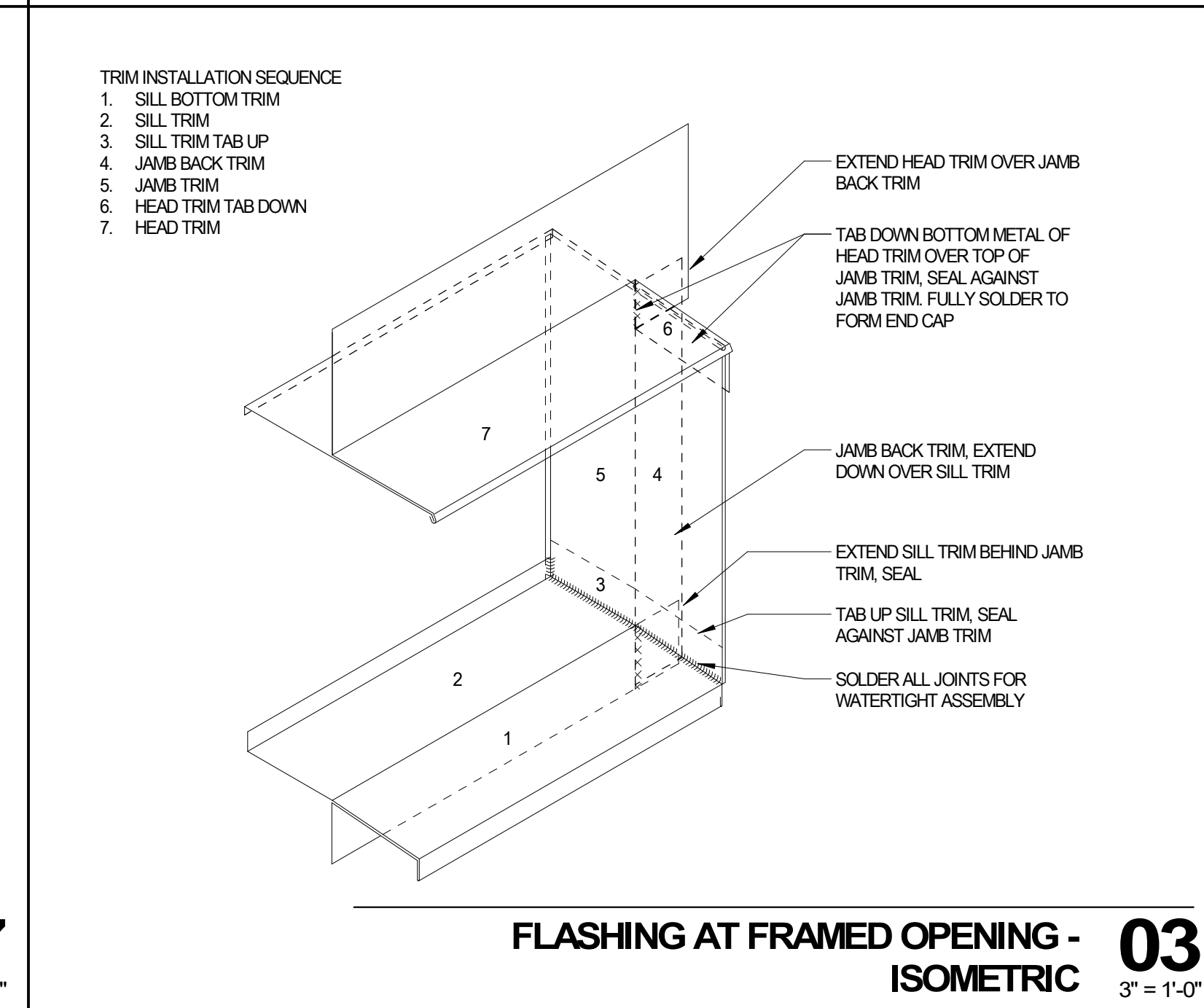
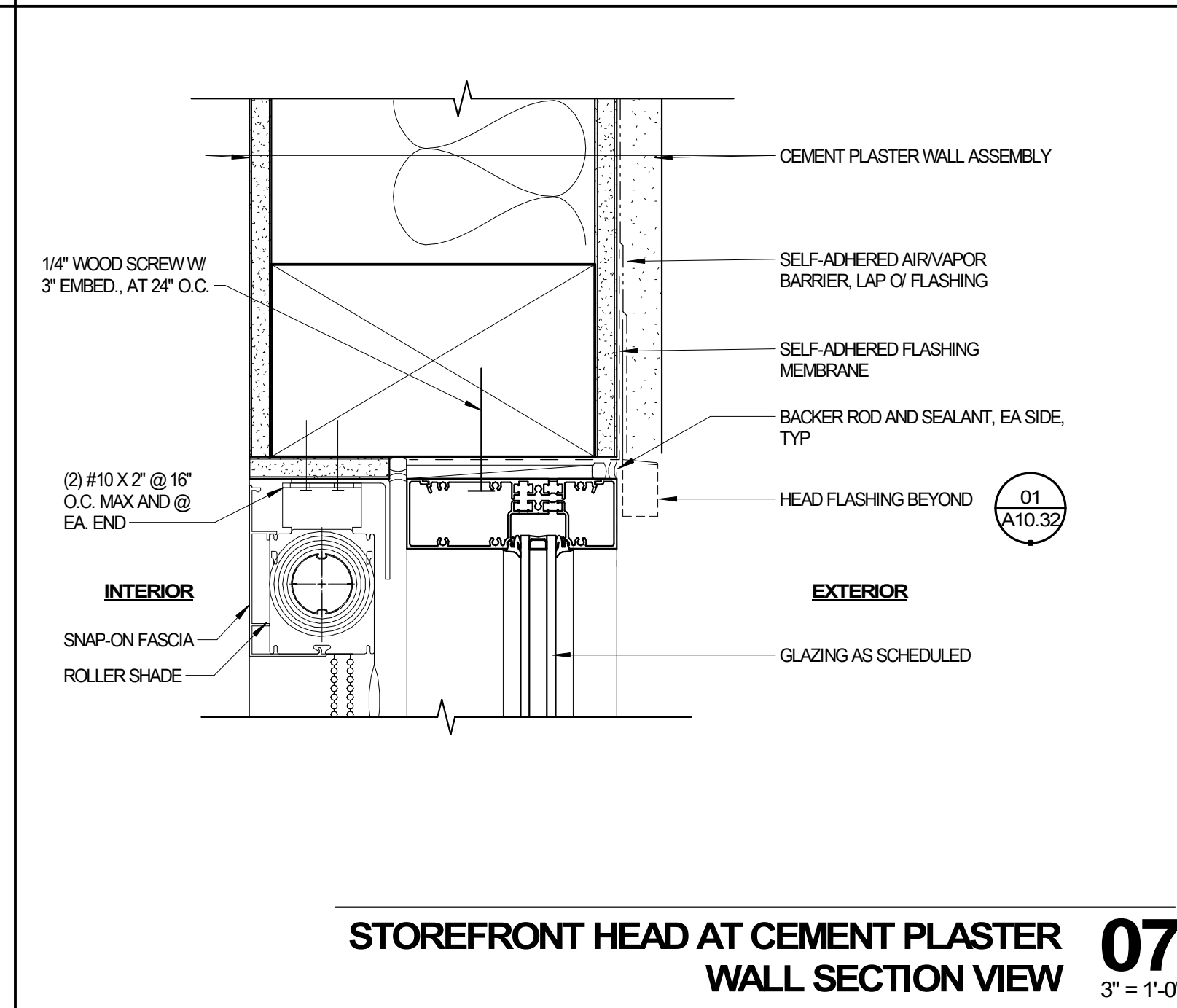
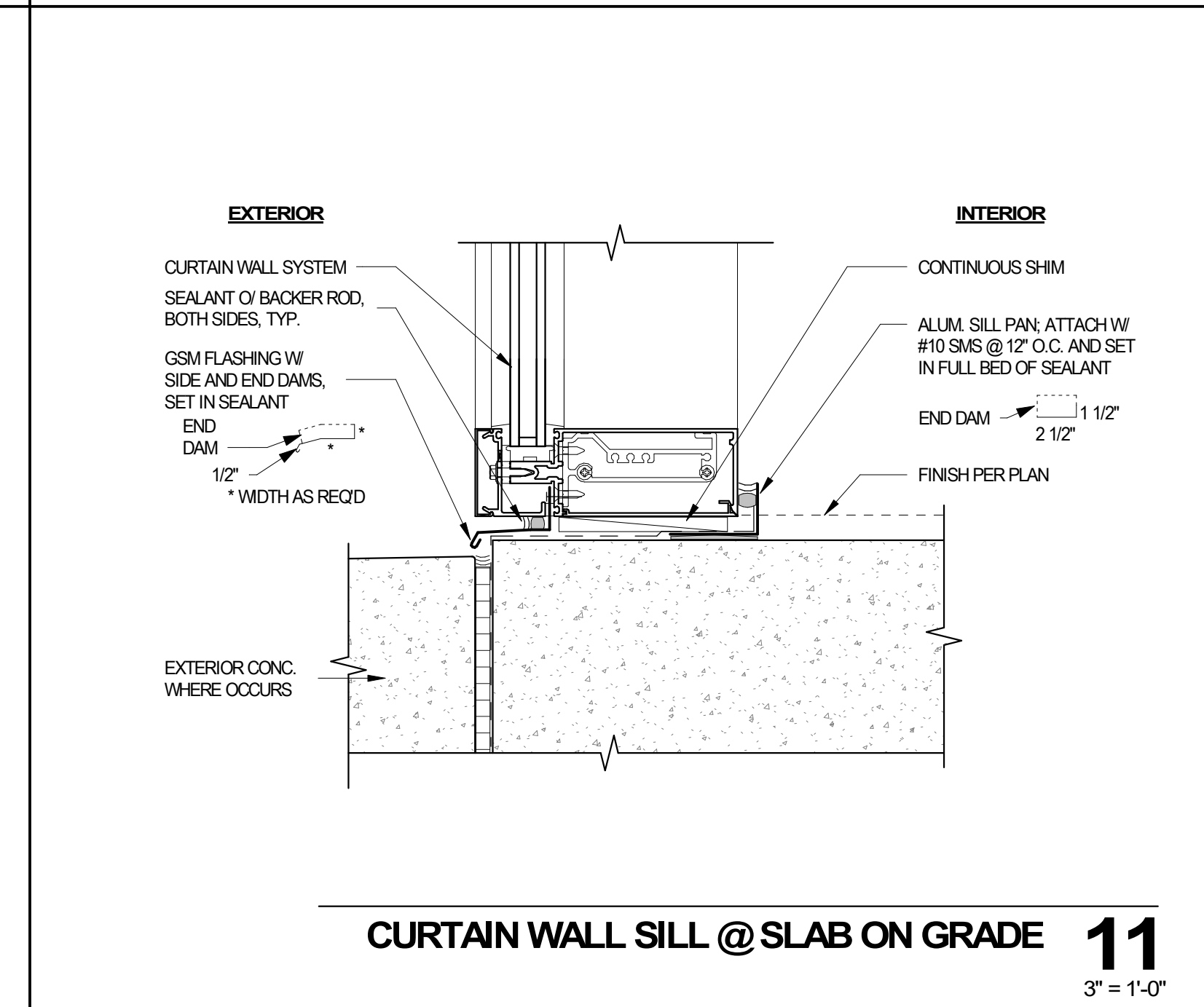
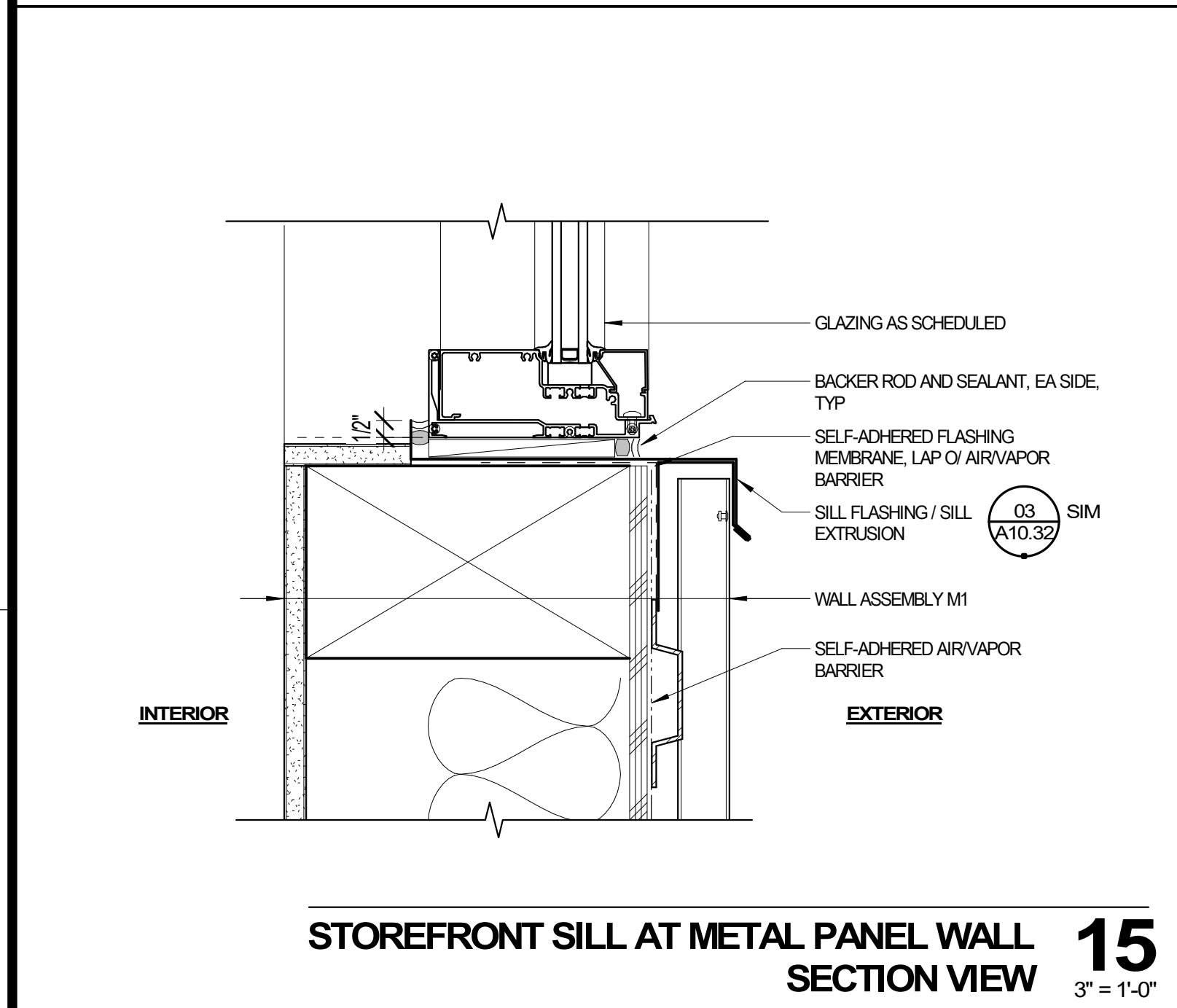
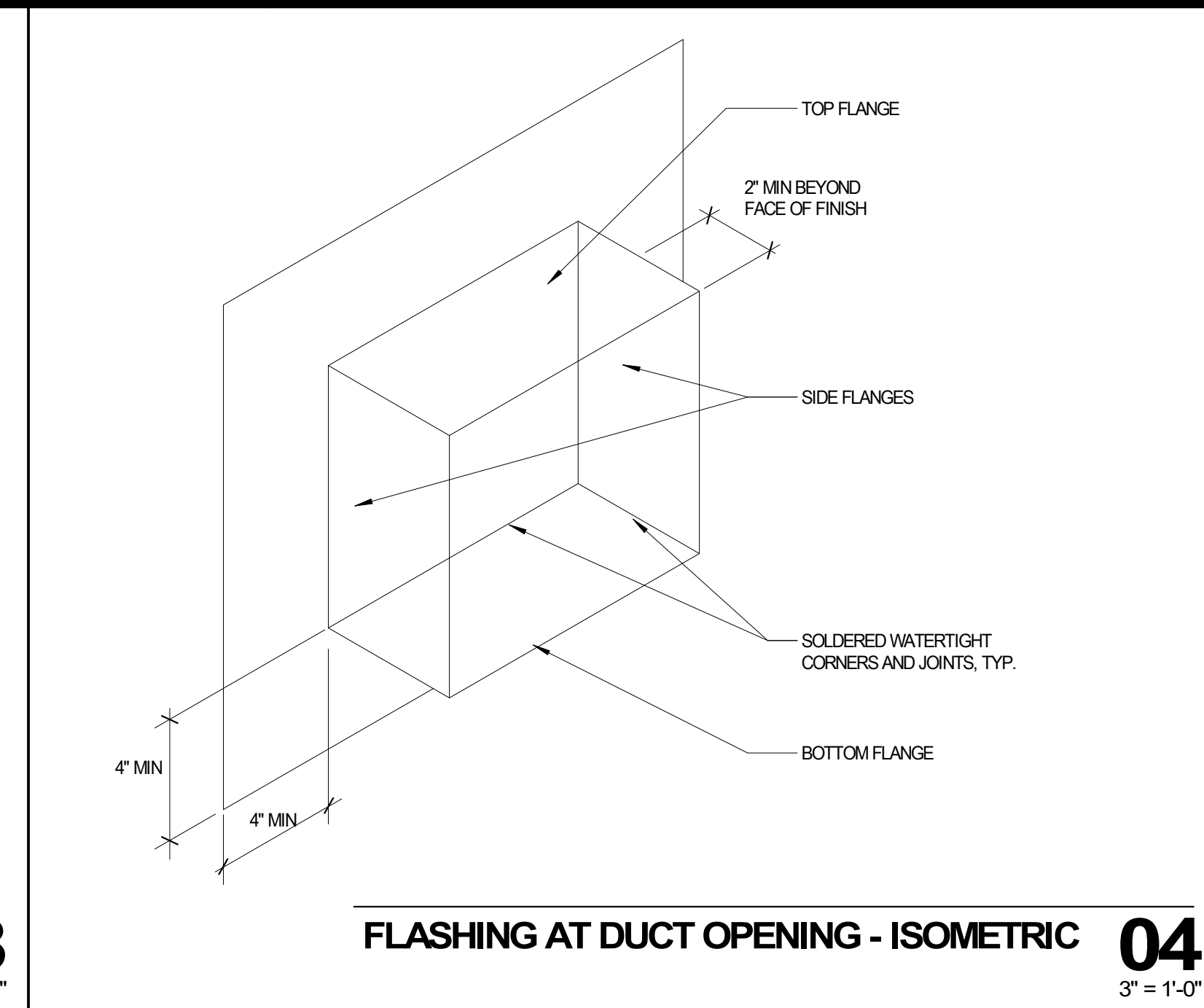
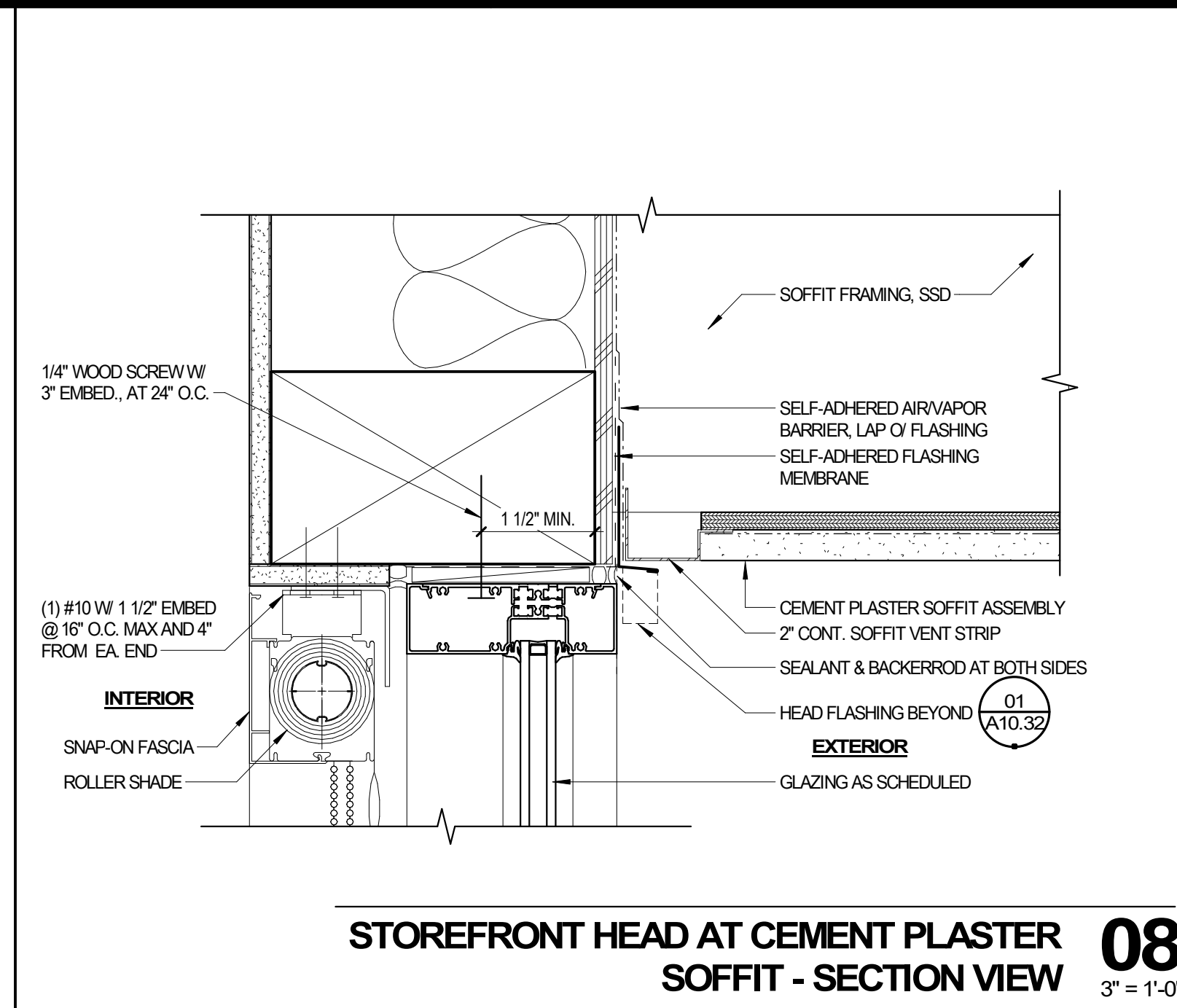
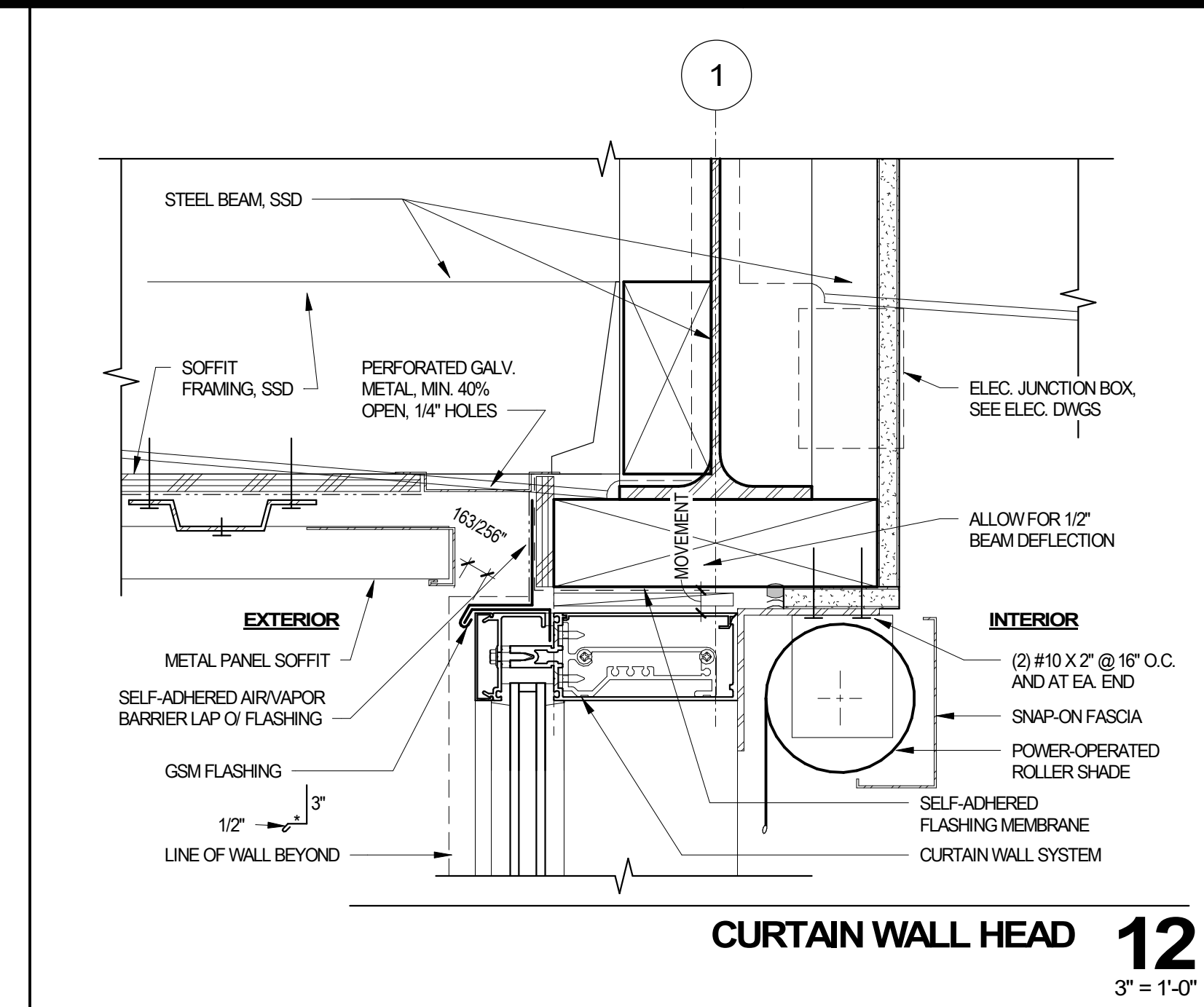
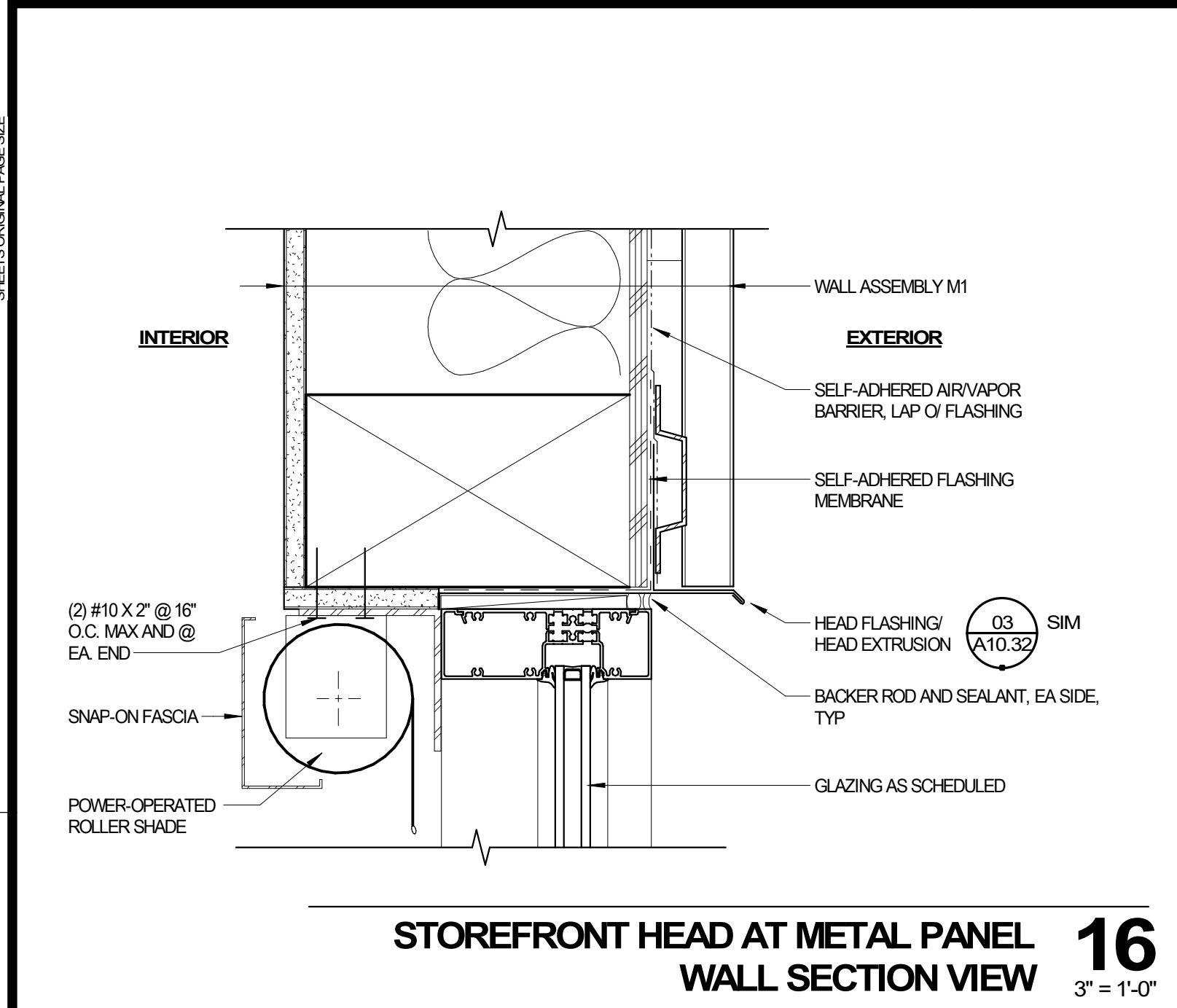
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DOOR SCHEDULE, WINDOW SCHEDULE

DSA BACKCHECK

DATE: 10.04.2021 PROJ NO: 3542-004

SHEET:

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SAN MATEO-FOSTER CITY SCHOOL DISTRICT
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ISSUE

DESCRIPTION	DATE
1 ADDENDUM 02	11/19/2021

FACILITY:
GEORGE HALL ELEMENTARY SCHOOL
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
WINDOW / WALL OPENING DETAILS

DSA BACKCHECK

DATE	PROJ NO
10.04.2021	3542-004

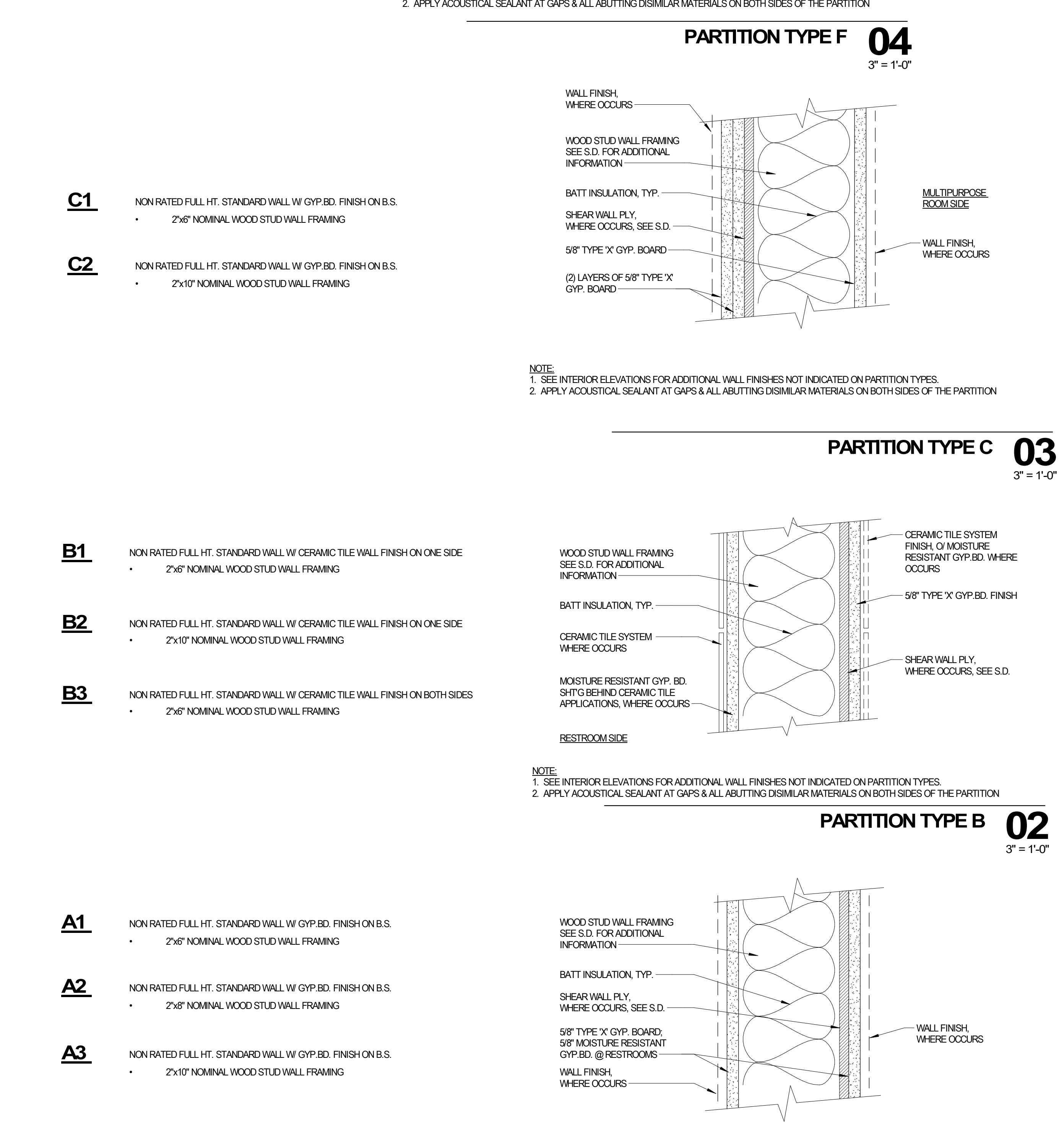
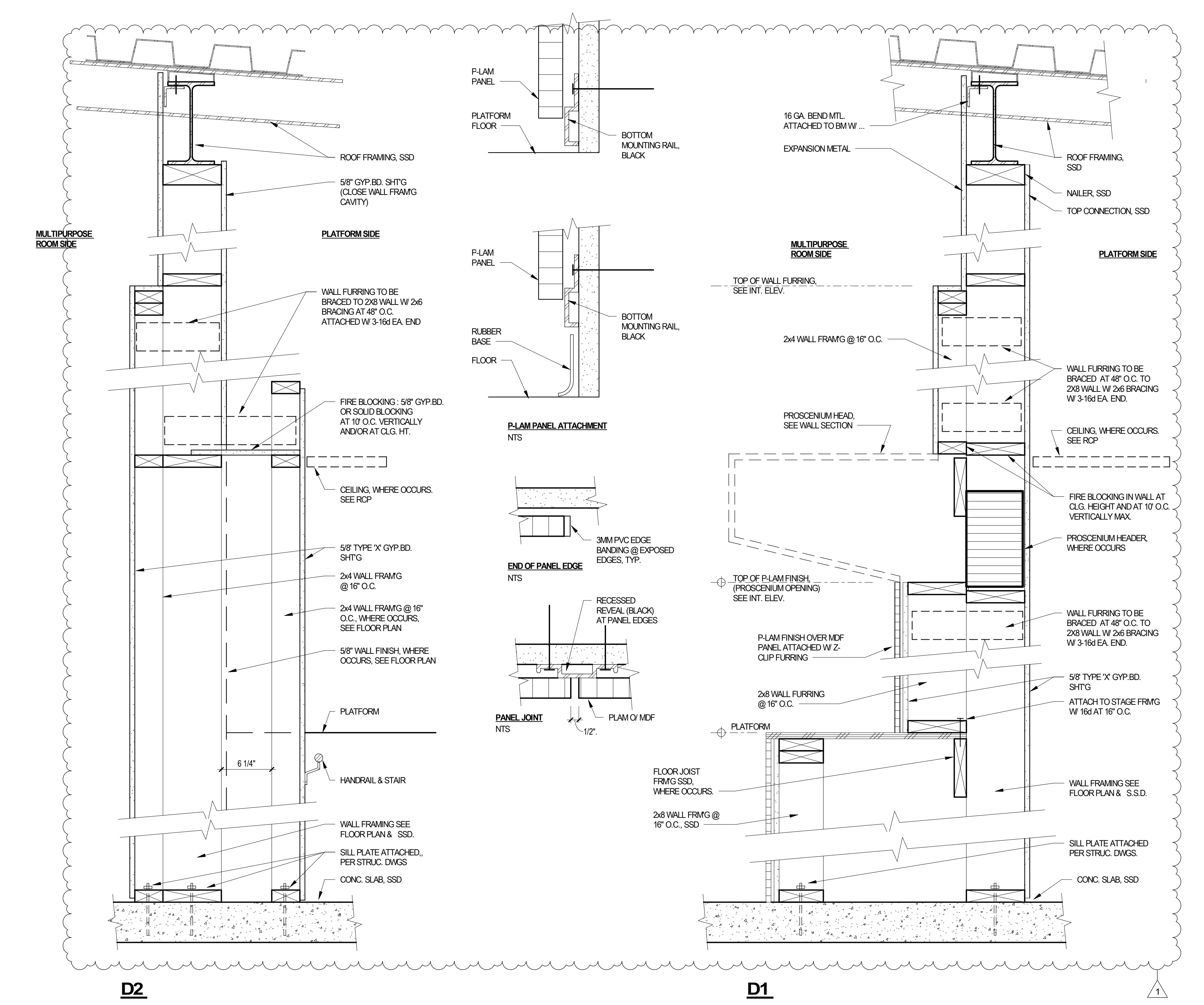
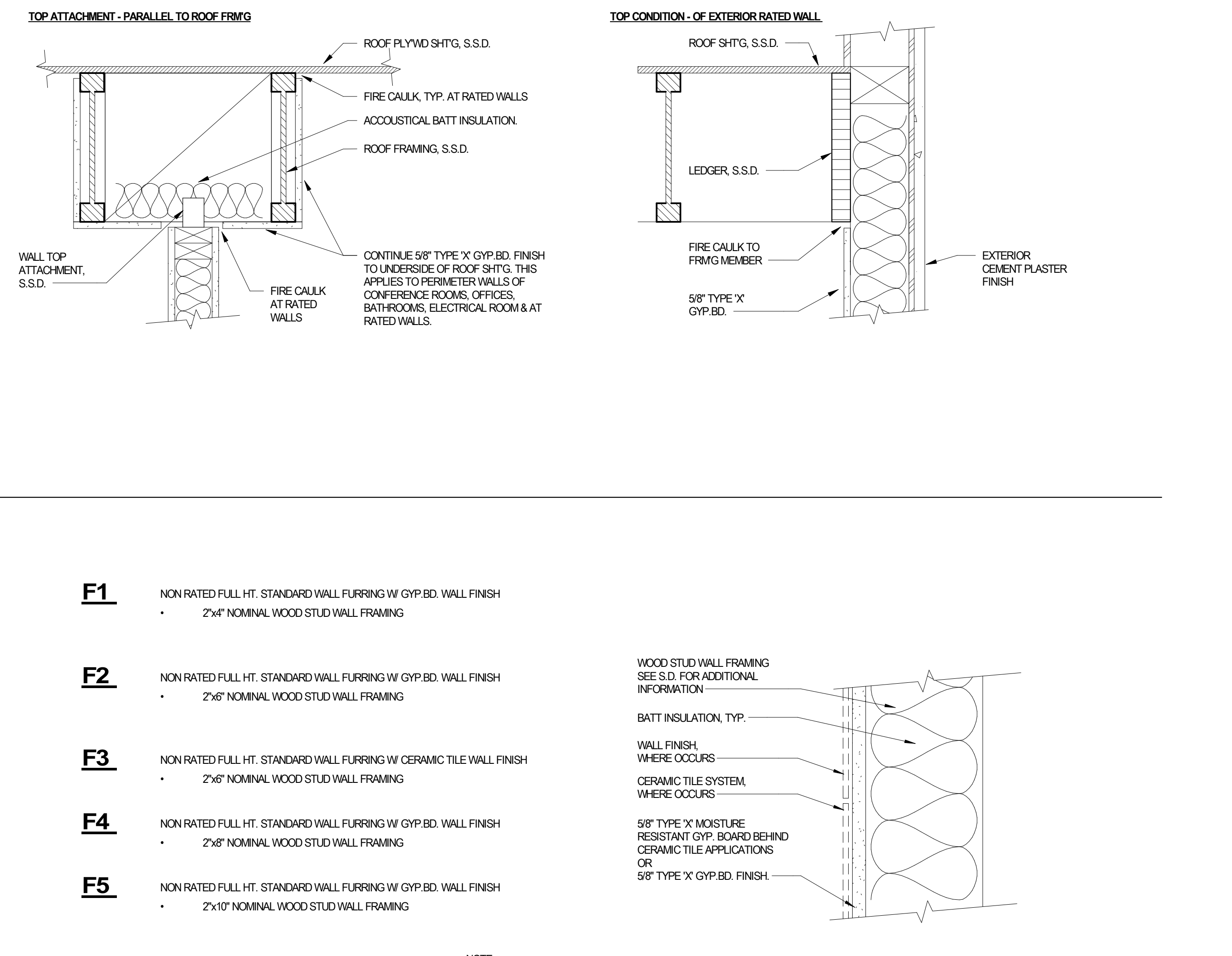
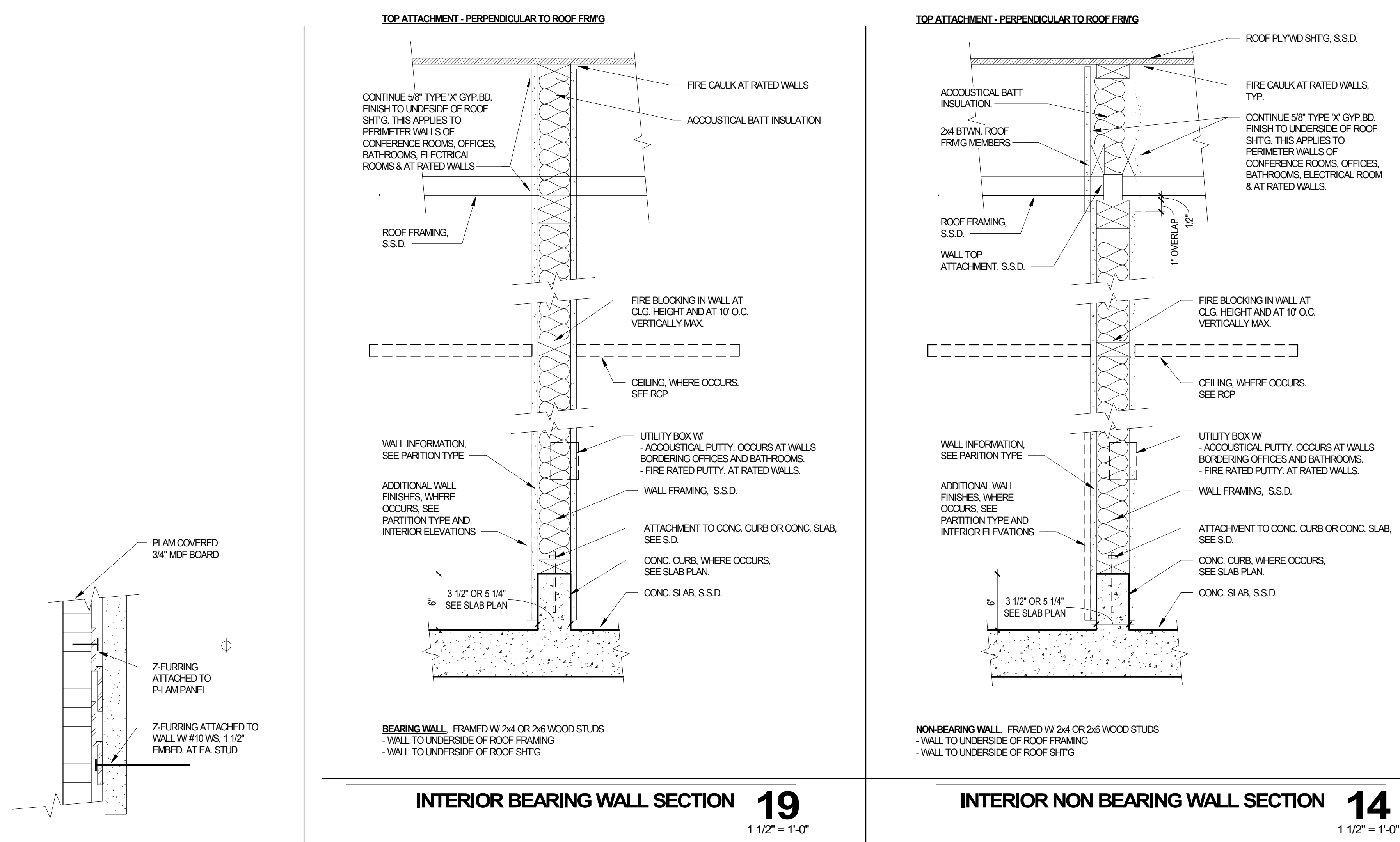
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ISSUE

DESCRIPTION	DATE
1 ADDENDUM 02	11/19/2021

FACILITY:

GEORGE HALL ELEMENTARY SCHOOL
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:

MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:

INTERIOR PARTITION TYPES

DSA BACKCHECK

DATE: 10.04.2021

PROJ NO: 3542-004

SHEET:

A10.51

DATE SHOWN ABOVE IS EXPIRATION DATE OF THIS SHEET'S ORIGINAL PAGE SIZE

STRUCTURAL GENERAL NOTES

- GENERAL
 - A. THESE DRAWINGS ARE COPY RIGHTED INSTRUMENTS OF SERVICE OF HOHBACH-LEWIN, INC. FOR USE ONLY ON THIS PROJECT.
 - B. CONTRACTOR RESPONSIBILITY - CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, SEQUENCES AND SAFETY PRECAUTIONS, INCLUDING BUT NOT LIMITED TO SHORING AND TEMPORARY BRACINGS.
 - C. DIMENSIONS - USE WRITTEN DIMENSIONS ONLY. VERIFY ALL DIMENSIONS AT JOB SITE BEFORE COMMENCING WORK AND REPORT ANY DISCREPANCIES, WHERE NO DIMENSIONS ARE PROVIDED, OBTAIN CLARIFICATION PRIOR TO PROCEEDING WITH WORK. DO NOT SCALE DRAWINGS.
 - D. COORDINATION - OPENINGS THROUGH WALLS AND FLOORS FOR MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE COORDINATED BY CONTRACTOR AND CONSTRUCTED PER TYPICAL DETAILS SHOWN IN THESE DOCUMENTS. NO MECHANICAL OR ELECTRICAL SYSTEM COMPONENTS SHALL BE EMBEDDED IN SLABS OR WALLS UNLESS SPECIFICALLY DETAILED IN THESE DOCUMENTS.
 - E. OMISSIONS AND CONFLICTS - OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE CONSTRUCTION DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM. IF CERTAIN FEATURES ARE NOT FULLY DELINEATED IN THE CONSTRUCTION DOCUMENTS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE DELINEATED.
 - F. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.
 - G. THERE SHALL BE NO CHANGE IN SIZE OR DIMENSION OF A STRUCTURAL MEMBER, NOR SHALL ANY OPENINGS BE MADE IN ANY STRUCTURAL MEMBER, WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
 - H. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON THE STRUCTURE. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE STRUCTURE AT THE TIME THE LOADS ARE IMPOSED.
 - I. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS.
 - J. SEE DRAWINGS OTHER THAN STRUCTURAL FOR TYPES OF FLOOR FINISH AND THEIR LOCATION, DEPRESSIONS IN FLOOR SLABS, OPENINGS IN WALLS AND FLOORS REQUIRED BY ARCHITECTURAL AND MECHANICAL FEATURES, AND ROADWAY PAVING, WALKS, RAMPS, STAIRS, CURBS, ETC.
 - K. TYPICAL DETAILS - DETAILS NOTED AS TYPICAL ARE APPLICABLE WHERE SPECIFIED ON THE STRUCTURAL DRAWINGS AND WHEREVER THE CONDITION OCCURS THROUGHOUT THE PROJECT, INCLUDING LOCATIONS WHERE THE DETAIL IS NOT EXPLICITLY SPECIFIED OR REFERENCED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY LOCATIONS WHERE TYPICAL DETAILS ARE APPLICABLE PRIOR TO CONSTRUCTION.

- DESIGN BASES
 - A. APPLICABLE CODE: CALIFORNIA BUILDING CODE (CBC), 2019 EDITION.
 - B. VERTICAL LOAD - LIVE LOADS:
 - 1. ROOF: VARIES WITH SLOPE (20 psf min.)
 - 2. STAGE: 100 psf
 - C. LATERAL LOADS:
 - 1. DESIGN WIND CRITERIA: PER ASCE 7-16: ULTIMATE DESIGN WIND SPEED: 120 mph WIND EXPOSURE: C
 - 2. DESIGN SEISMIC CRITERIA: SITE CLASS: D $S_{DS} = 0.332$ $S_{D1} = 0.242$ IMPORTANCE FACTOR: 1.25 SEISMIC DESIGN CATEGORY: D RISK CATEGORY: II RESPONSE MODIFICATION COEFF. $R = 6.5$ (WOOD STRUCTURAL PANEL SHEAR WALLS) DESIGN SEISMIC COEFF. $V = 0.303A$ (STRENGTH) DESIGN BASE SHEAR, $V = 69.63$ KIPS (ASD) RESPONSE MODIFICATION COEFF. (CANOPY): $R = 1.25$ (CANTILEVERED COLUMN) DESIGN SEISMIC COEFF. (CANOPY): $V = 1.212A$ (STRENGTH)
 - D. GEOTECHNICAL CRITERIA:
 - 1. DESIGN OF FOUNDATION IS BASED ON THE CRITERIA PER GEOTECHNICAL REPORT PREPARED BY: ATLAS TECHNICAL CONSULTANTS, LLC. REPORT #: 41-56494-PX DATED: JANUARY 21, 2021
 - 2. ALLOWABLE SOIL BEARING PRESSURE: DEAD + LIVE: 1500 psf (CONTINUOUS) 1000 psf (SPREAD) DEAD + LIVE + WIND OR SEISMIC: 1500 psf (CONTINUOUS) 1000 psf (SPREAD)
 - 3. COEFFICIENT OF FRICTION: 0.35
 - 4. PASSIVE PRESSURE: 350 psf
 - 5. MODULUS OF SUBGRADE REACTION: 80 pci
 - 6. ALL ENGINEERED FILL SHALL HAVE A MINIMUM RELATIVE COMPACTION PER PROJECT GEOTECHNICAL REPORT.
 - E. SERVICEABILITY:
 - 1. 0.0107H DRIFT TO BE ACCOMMODATED BY STOREFRONT SYSTEM.

- CONCRETE
 - A. CONCRETE SHALL BE SUPPLIED AND PLACED IN ACCORDANCE WITH ACI 318.
 - B. CONCRETE SHALL BE AS FOLLOWS:

CONCRETE USE	STRENGTH AT 28 DAYS U.O.N.	F/C RATIO	MAX. AGGREGATE SIZE	WEIGHT	SHRINKAGE
SLAB ON GRADE	3000 PSI	0.45 MAX.	3/4" TO 1" (LS)	145pcf	0.45%
FOUNDATIONS	3000 psi	0.50 MAX.	3/4" TO 1"	145pcf	-

(LS) CRUSH LOW SHRINKAGE ROCK
 - C. STRENGTH: COMPRESSIVE STRENGTH IN PSI WHEN TESTED IN ACCORDANCE WITH ASTM C39
 - D. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE II.
 - E. AGGREGATE FOR STONE CONCRETE SHALL CONFORM TO ASTM C-33, FOR LOW SHRINKAGE AGGREGATE, USE LIMESTONE OR GRANITE.
 - F. FLY ASH: ASTM C 618, CLASS F OR CLASS C. MINIMUM RECOMMENDED FLY ASH F. CONTENT BY MASS OF CEMENTITIOUS MATERIAL IS 20%. MAXIMUM RECOMMENDATION IS 25%.
 - G. ADMIXTURES: MIX SHALL CONTAIN POLYMER BASED, WATER REDUCING ADMIXTURE. THE FOLLOWING TYPES OF ADMIXTURES ARE ALLOWED AS PLASTICIZERS AND/OR SET ACCELERATORS TO IMPROVE WORKABILITY: 1. ASTM C494, TYPES A, C, E, G. HIGH RANGE WATER REDUCERS SHALL ALSO MEET REQUIREMENTS OF ASTM C 1017. 2. THE INITIAL SLUMP OF THE CONCRETE BEFORE INTRODUCING ADMIXTURES SHOULD BE MINIMUM 2" INCHES
 - H. SHRINKAGE - CONTRACTOR TO PROVIDE CONCRETE MIX HISTORY DATA OR PROVIDE TESTING REPORT.
 - I. MINIMUM REINF. COVER FOR CAST-IN-PLACE CONCRETE:
 - 1. CONC. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
 - 2. CONC. FORMED BELOW GRADE OR EXPOSED TO WEATHER: 2" NO. 6 AND GREATER 2" NO. 5 AND SMALLER 1 1/2"
 - 3. CONC. NOT EXPOSED TO WEATHER NOR IN CONTACT WITH GROUND, SLABS, WALLS, AND JOISTS: NO. 11 AND SMALLER 1" BEAMS AND COL: PRIMARY REINF., TIES, STIRRUPS, SPIRALS 1 1/2"
 - J. PLACEMENT
 - 1. ALL REINFORCING BARS, ANCHOR BOLTS, AND ALL OTHER CONC. INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
 - 2. CHAMFER ALL CORNERS OF CONCRETE TO PREVENT DAMAGE.
 - 3. CONSTRUCTION TOLERANCE SHALL COMPLY TO ACI 117.
 - 4. CONCRETE SHALL BE PLACED IN A CONTINUOUS OPERATION BETWEEN PREDETERMINED CONSTRUCTION JOINTS.
 - 5. USE VIBRATORS TO CONSOLIDATE CONCRETE. DO NOT USE VIBRATORS TO MOVE CONCRETE.
 - 6. CONCRETE SHALL BE CONTINUOUSLY CURED FOR 7 DAYS AFTER PLACEMENT IN ANY APPROVED MANNER. FOOTINGS ARE EXEMPTED FROM THIS REQUIREMENT.
 - 7. PATCHING OF CONCRETE: ALL INSERT HOLES AND OTHER IMPERFECTIONS ON THE SURFACES OF THE CONCRETE SHALL BE FILLED WITH GROUT, BRUSHED AND SACKED TO A UNIFORM FINISH.

- CONSTRUCTION JOINTS:
 - 1. CONSTRUCTION JOINTS SHOWN MAY BE PROVIDED AT CONTRACTORS OPTION. ANY PROPOSED CONSTRUCTION JOINTS NOT SHOWN MUST BE SUBMITTED TO THE DESIGN PROFESSIONAL OF RECORD FOR APPROVAL.
 - 2. ROUGHENED CONSTRUCTION JOINTS (R.C.J.): WHERE NOTED ON DRAWINGS R.C.J. ROUGHEN JOINT TO MINIMUM 1/4 INCH AMPLITUDE.
- INTERIOR SLAB ON GRADE:
 - 1. DO NOT ALLOW WATER TO COLLECT ON OR AROUND BUILDING PAD.
 - 2. INITIAL CURING: INITIAL CURING SHALL IMMEDIATELY FOLLOW THE FINISHING OPERATION. CONCRETE SHALL BE KEPT CONTINUOUSLY MOIST AT LEAST OVERNIGHT.
 - 3. FINAL CURING: IMMEDIATELY FOLLOWING THE INITIAL CURING AND BEFORE THE CONCRETE HAS DRIED, SLABS TO BE CONTINUOUSLY CURED FOR 7 DAYS BY WET COVERING OR MOISTURE RETAINING COVERINGS TO REDUCE THE LIKELIHOOD OF SHRINKAGE OR CRACKING. LIQUID MEMBRANE CURING COMPOUNDS SHALL NOT BE PERMITTED (WITHOUT OWNER'S WRITTEN APPROVAL).
 - 4. INTERIOR SLABS SHALL RECEIVE A LIGHT BROOM FINISH U.O.N. TOLERANCE SHALL BE 1/8" IN 10'-0". EDGES SHALL BE SMOOTH TROWELED.
- ALL CONC. TO BE REINFORCED UNLESS SPECIFICALLY MARKED "NOT REINFORCED".
- VAPOR BARRIER:
 - 1. 15 MIL ASTM E-1745 CLASS A, TYP. U.O.N.

REINFORCING STEEL	
A. REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH ACI 318 AND ACI 318.	
B. REINFORCING STEEL SHALL BE AS FOLLOWS:	
REINF.	TYPE
BAR/S/TIES/SPIRALS	ASTM 615, GRADE 60, U.O.N.
WELDED REINF.	ASTM A106, GRADE 60 OR 60 AS NOTED
TIE AND SPIRAL WIRE REINF.	ASTM A1064, GRADE 60
WELDED WIRE REINF.	ASTM A1064, GRADE 60
FOUNDATIONS	ASTM A615, GRADE 60

- * THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED F_y BY MORE THAN 18,000 PSI; AND THE RATIO OF THE ACTUAL TENSILE STRENGTH TO THE ACTUAL YIELD STRENGTH IS NOT LESS THAN 1.25
- DO NOT FIELD BEND OR STRAIGHTEN IN ANY MANNER THAT WILL DAMAGE REINFORCING.
- PROVIDE SPLICES IN REINFORCING ONLY WHERE SHOWN ON DRAWINGS OR APPROVED IN WRITING BY ENGINEER OF RECORD.
- WELDING TO CONFORM TO AWS D1.4

- WOOD
 - A. FRAMING LUMBER - DOUGLAS FIR U.O.N.:
 - 1. JOISTS AND RAFTERS: NO. 1
 - 2. POSTS, BEAMS, AND HEADERS: NO. 1
 - 3. STUDS, PLATES, BLOCKS, LIGHT FRAMING AND MISG: NO. 1
 - 4. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY TO BE PRESERVATIVE TREATED.
 - 5. THE MOISTURE CONTENT OF ALL LUMBER 4x OR GREATER SHALL BE VERIFIED BY PROJECT INSPECTOR AT THE TIME OF FRAMING.
 - 6. MOISTURE CONTENT SHALL NOT EXCEED 19% FOR ROOF SUPPORT MEMBERS AND SHALL NOT EXCEED 15% FOR WALL STRUCTURAL MEMBERS (I.E. HEADERS, TOP PLATES, SILLIS AND STUDS). 2x MEMBERS SHALL BE STAMPED "S-DRY", RMT PRE-MANUFACTURED MEMBERS PER R-23-10 IS AN ACCEPTABLE ALTERNATE TO SOLID SAWN LUMBER.
 - B. SHEATHING:
 - 1. ROOF SHEATHING STRUCTURAL: 1" 15/32 INCH APA RATED 24/0 EXPOSURE 1, (4 PLY MIN.) S.A.D. WHEN RADIANT BARRIER SHEATHINGS REQUIRED
 - 2. FLOOR SHEATHING: 3/4 INCH APA RATED 40/24 EXPOSURE 1 15 PLY MIN WITH TONGUE AND GROOVE EDGES GLUED TO SUPPORT, U.O.N. MINIMUM SHEET DIMENSION FOR PANEL SHALL BE 24'
 - 3. WALL SHEATHING STRUCTURAL: 1" 15/32 INCH APA C-D, INTERIOR WITH EXTERIOR GLUE (4 PLY MIN.)
 - C. FRAMING HARDWARE: AS MANUFACTURED BY SIMPSON, OR ALTERNATE APPROVED BY THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. SIMPSON DESIGNATIONS USED.
 - D. NAILS:
 - 1. COMMON WIRE GAGE U.O.N. NAILING TO CONFORM TO CBC TABLE 2304.10.1 U.O.N.
 - 2. MACHINE APPLIED NAILS: USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOB SITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD IF NAIL HEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED. THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY. MACHINE NAILING IS PROHIBITED AT DOUBLE SHEATHED PLYWOOD WALLS OR OTHER APPLICATIONS WHERE THE PRESENCE OF "SHINERS" CAN NOT BE DETECTED BY VISUAL OBSERVATION. FOR DOUBLE SHEED PLYWOOD SHEARNAIL, USE HAND NAILING FOR SECOND SIDE OF PLYWOOD.
 - 3. GALVANIZED NAILS SHALL BE HOT-DIPPED WHERE OCCURS.

- BOLTS: ASTM A307, PROVIDE WASHER UNDER HEADS AND NUTS.
- PROVIDE LATERAL SUPPORT FOR BEAMS, JOISTS AND RAFTERS PER CBC SECTION 2303.4.6
- LAS SCREWS PER ANSI/ASME STANDARD B19.2.1 PROVIDE LEAD HOLE SAME DIAMETER AND DEPTH AS SHANK AND THEN DRILL HOLE 60% - 70% OF SHANK DIAMETER FOR THREADED PORTIONS.
- MICRO-LAMS (1 IE (L.V.L.), PARALLEL STRAND LUMBER 2 (PSL) (PARALLAM); TIMBER STRAND LBS (LSL) SHALL BE MANUFACTURED BY TRUSS JOIST OR EQUIVALENT APPROVED ICC MANUFACTURED PRODUCT.
- I-JOISTS SHALL BE MANUFACTURED BY Weyerhaeuser, BOISE CASCADE OR EQUIVALENT APPROVED ICC MANUFACTURED PRODUCT. REFER TO ADDITIONAL NOTES AND DETAILS ON SHEET S6.4.
- HOLD-DOWNS: AS MANUFACTURED BY SIMPSON OR APPROVED EQUIVALENT.
- PRESSURE TREATED LUMBER:
 - 1. PRESSURE TREATED D.F. SHALL BE AMFB STAMPED: AMMONIACAL COPPER QUAT (ACQ), COPPER BORON AZOLE (CBA), OR BORATE TREATED ANPA STANDARD C22. MINIMUM 0.40 INCH. PENETRATION IN CSD.
 - 2. ALL PRESERVATIVE TREATED LUMBER SHALL BE FIELD-APPLIED WITH PRESERVATIVE WHERE CUT AND DRILLED ON SITE WITH COPPER NAPHTHENATE (2% COPPER AS METAL).
 - 3. USE HOT DIPPED GALVANIZED HARDWARE (IE BOLTS, NAIL, ETC. FOR ALL ATTACHMENT TO ACQ OR CBA TREATED MEMBERS).

- STEEL
 - A. STRUCTURAL STEEL TO BE SUPPLIED DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
 - B. U.O.N. STEEL SHALL BE AS FOLLOWS:
 - 1. WIDE FLANGE SHAPES: ASTM A992
 - 2. HOLLOW STRUCTURAL SECTIONS: ASTM A500B
 - 3. PIPES: ASTM A53, GR. B
 - 4. OTHER SHAPES AND PLATES: ASTM A36, ASTM A572 GR. 50 AS NOTED.
 - 5. BOLTS: ASTM A307
 - 6. HIGH STRENGTH BOLTS: ASTM A325, U.O.N.
 - 7. THREADED RODS: ASTM A36, U.O.N.
 - 8. ANCHOR RODS: #18S4 GR. 36 TYP. U.O.N.
 - 9. WELDING ELECTRODES: E-10XX U.O.N.
 - 10. WELDED STUDS: FLUX FILLED HEADED STUDS CONFORMING TO ASTM A108 BY NELSON OR EQUAL.
 - C. WELDING TO CONFORM TO AWS AND TO BE PERFORMED BY CERTIFIED WELDERS.
 - D. BUTT WELDS ARE TO BE COMPLETE PENETRATION U.O.N. ALL FILLET WELDS SHOWN ARE MINIMUM REQUIRED BY STRESS; INCREASE WELDS TO A.I.S.C. MINIMUM SIZES BASED ON THICKNESS OF MATERIAL JOINED U.O.N.
 - E. STEEL BEAMS ARE EQUALLY SPACED BETWEEN DIMENSION POINTS OR GRID LINES, U.O.N.
 - F. STEEL NOT RECEIVING FIRE PROOFING SHALL BE SHOP PRIMED.
 - G. ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIP ZINC GALVANIZED U.O.N.
 - H. NON SHRINK GROUT: 1500 PSI COMPRESSIVE STRENGTH, NON METALLIC CONFORMING TO ASTM C1107, MASTERFLOW 925 OR EQUAL.

- KELDING TO CONFORM TO AWS AND TO BE PERFORMED BY CERTIFIED WELDERS.
- BUTT WELDS ARE TO BE COMPLETE PENETRATION U.O.N. ALL FILLET WELDS SHOWN ARE MINIMUM REQUIRED BY STRESS; INCREASE WELDS TO A.I.S.C. MINIMUM SIZES BASED ON THICKNESS OF MATERIAL JOINED U.O.N.
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- NON SHRINK GROUT: 1500 PSI COMPRESSIVE STRENGTH, NON METALLIC CONFORMING TO ASTM C1107, MASTERFLOW 925 OR EQUAL.

- STEEL DECK
 - A. FABRICATE STEEL DECK IN ACCORDANCE WITH AISI SPECIFICATIONS.
 - B. STEEL DECK SHALL CONFORM TO ASTM A446.
 - C. PROVIDE 16 GA MINIMUM EDGE FORMS, CLOSURE PLATES, ETC. U.O.N.
 - D. SEE DETAILS 2/51.2 FOR ADDITIONAL REQUIREMENTS

- CONCRETE MASONRY
 - A. CONCRETE MASONRY TO BE SUPPLIED PER 2016 CBC SECTION 2105A AND PLACED PER SECTION 2104A.
 - B. ASSEMBLY STRENGTH $F_m = 2000$ psi AT 28 DAYS.
 - C. UNITS: LIGHT WEIGHT 2 CELL BLOCKS CONFORMING TO ASTM C40. SHRINKAGE OF BLOCKS SHALL NOT EXCEED 0.05% WHEN TESTED PER ASTM C426.
 - D. MORTAR: ASTM C270, TYPE S.
 - E. GROUT: ASTM C476. COMPRESSIVE STRENGTH $F'_c = 2000$ psi MIN. ALL CELLS SHALL BE FULLY GROUTED.
 - F. USE LOW LIFT CONSTRUCTION WITH MAXIMUM GROUT POUR HEIGHT OF 4'. HIGH LIFT GROUTING IS ACCEPTABLE IF APPROVED IN WRITING BY THE ENGINEER.
 - G. ALL MASONRY TO BE REINFORCED UNLESS SPECIFICALLY MARKED NOT REINFORCED.
 - H. SEE PLAN FOR LOCATIONS OF VERTICAL CONTROL JOINTS, HORIZONTAL BOND BEAM AND Lintel REINFORCING SHALL BE CONTINUOUS ACROSS VERTICAL CONTROL JOINTS.
 - I. ALL CELLS SHALL BE GROUTED SOLID. REINFORCING STEEL SHALL BE SECURED IN PLACE BEFORE GROUTING STARTS.

- EPOXY ANCHORS (CONCRETE INSTALLATION ONLY)
 - A. EPOXY ADHESIVE SHALL BE SIMPSON "SET-XP" ADHESIVE ANCHOR (ESR-2508) OR EQUAL. PRODUCT ALTERNATE PRODUCTS MUST BE SUBMITTED TO E.O.R. FOR SUBSTITUTION PRIOR TO INSTALLATION PER SPECIFICATIONS.
 - B. INSTALLATION: INSTALL THE EPOXY ANCHORS IN ACCORDANCE WITH THE REQUIREMENTS GIVEN IN MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIC ANCHOR.
 - C. SPECIAL INSPECTION SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 1704A OF THE CBC.
 - D. NOTIFY ARCHITECT IMMEDIATELY IF ELEMENTS WITH EXISTING STRUCTURE PREVENT DRILLING IN THE LOCATIONS SHOWN ON THE DRAWINGS.
 - E. EPOXIED DOVELS DO NOT SUBSTITUTE FOR HOOKED BARS. CONTRACTOR TO NOTIFY ENGINEER OF EPOXIED DOVEL LOCATIONS.
 - F. WHEN EPOXY ANCHORS ARE USED FOR SILL PLATE BOLTING, 10% OF THE ANCHORS SHALL BE TENSION TESTED. FOR ALL OTHER STRUCTURAL APPLICATIONS, ALL SUCH EPOXY ANCHOR SHALL BE TENSION TESTED. WHEN EPOXY ANCHORS ARE USED FOR NON-STRUCTURAL APPLICATIONS, 50% OF ANCHORS SHALL BE TENSION TESTED. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE NOT PREVIOUSLY TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS. EPOXY ANCHORS USED FOR NON-STRUCTURAL CONCRETE SLAB-ON-GRADE AND EXTERIOR FLATWORK ARE EXEMPT FROM TESTING.
 - G. CONCRETE AT TIME OF INSTALLATION SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND SHALL HAVE A MINIMUM AGE OF 21 DAYS

MIN. WITH $F'_c = 3000$ PSI CONCRETE (NORMAL WEIGHT CONCRETE). **						
REINF. DOWEL	THREADED ANCHOR ROD	HOLE DIAMETER	MIN. EMBED.	MIN. EDGE DISTANCE *	MIN. SPACING	TENSION TEST VALUE ***
#3	1/2" DIA.	5/8" DIA.	2 3/4"	1 3/4"	8"	1,840#
#4	1/2" DIA.	5/8" DIA.	4"	4 1/2"	12"	3,040#
#5	5/8" DIA.	3/4" DIA.	5"	4 3/4"	15"	3,750#
#6	3/4" DIA.	7/8" DIA.	6"	5 1/2"	18"	7,100#
#7	7/8" DIA.	1" DIA.	8"	7"	24"	6,400#
#8	1" DIA.	1 1/8" DIA.	8 1/2"	7"	26"	11,240#

- MINIMUM EDGE DISTANCE LIMITATION ASSUMED FROM ONE EDGE ONLY.
- FOR SINGLE ANCHORS WITH NO ADDITIONAL EDGE DISTANCE OR SPACING REDUCTIONS. FOR OTHER CASES, REDUCTION OF VALUES CALCULATED PER ACI 318 IS REQUIRED.
- TENSION TEST VALUES CORRESPOND WITH 1.5x CRACKED CONCRETE SEISMIC TENSION LOADS (STRENGTH).

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STRUCTURAL SHEET INDEX


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S1.1	STRUCTURAL GENERAL NOTES
S2.1	FOUNDATION PLAN
S2.2	LOWER ROOF FRAMING PLAN
S2.3	HIGH ROOF FRAMING PLAN
S3.1	ELEVATIONS
S5.1	TYPICAL CONCRETE DETAILS
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S8.4	TYPICAL WOOD DETAILS
S8.5	WOOD DETAILS
S8.6	WOOD DETAILS

ABBREVIATIONS

1	AND	MAX.	MAXIMUM
2	AT	MECH.	MECHANICAL
A.B.	ANCHOR BOLT	MANUF.	MANUFACTURER
ADD'L.	ADDITIONAL	M.B.	MACHINE BOLTS
ARCH.	ARCHITECTURAL	MIN.	MINIMUM
A.Y.C.	ALASKAN YELLOW CEDAR	MISC.	MISCELLANEOUS
		MTL.	METAL
BLDS.	BUILDING		
BLKS.	BLOCKING	N	NORTH
BM.	BEAM	(N)	NEW
B.N.	BOUNDARY NAIL	NO.	NUMBER
B.O.C.	BOTTOM OF CONCRETE	N.S.	NEAR SIDE
BOT.	BOTTOM	N.T.S.	NOT TO SCALE
¢	CENTER LINE	O.C.	ON CENTER
CANT.	CANTILEVER	O.P.S.	OPENING
CBC	CALIFORNIA BUILDING CODE	OPP.	OPPOSITE
		O.H.	OPPOSITE HAND
C.D.F.	CONTROLLED DENSITY FILL	OSBG	OREGON STRUCTURAL SPECIALTY CODE
C.G.S.	CENTER OF GRAVITY OF POST-TENSIONING STRAND	O.M.S.J.	OPEN WEB STEEL JOIST
C.I.P.	CAST-IN-PLACE	O.M.W.J.	OPEN WEB WOOD JOIST
C.J.	CONTROL JOINT		
CLEAR	CLEAR	PL	PLATE
CMU	CONCRETE MASONRY UNIT	PERP.	PERPENDICULAR
COL.	COLUMN	PLY	PLYWOOD
COMP.	COMPRESSION	P.T.	PRESERVATIVE TREATED
CONG.	CONCRETE	P/T	POST-TENSIONING
CONN.	CONNECTION	PSL	PARALLEL STRAND LUMBER
CONT.	CONTIGUOUS		
CTR.	CENTER		
		R.C.J.	ROUGHENED CONSTRUCTION JOINT
DBL	DOUBLE		
DET.	DETAIL	REINF.	REINFORCEMENT
D.F.	DOUGLAS FIR	REQD.	REQUIRED
DIA.	DIAMETER		
DITTO	DITTO	S	SOUTH
DWS.	DRAWINGS	S.A.D.	SEE ARCHITECTURAL DRAWINGS
E	EAST	S.C.	SUP CRITICAL
(E)	EXISTING	S.C.D.	SEE CIVIL DRAWINGS
EA.	EACH	SCHED.	SCHEDULE
EB.M.	EXTERIOR BUILDING MAINTENANCE	SDB	SELF-DRIVING SCREW
E.F.	EACH FACE	SM.	SIMILAR
E.J.	EXPANSION JOINT	S.J.	SEISMIC JOINT
EL.	ELEVATION		SYSTEM
EN.	EDGE NAIL	S.M.D.	SEE MECHANICAL DRAWINGS
E.N.	EACH NAIL		
EXP.	EXPANSION	SMS	SHEET METAL SCREW
EXT.	EXTERIOR	S.O.G.	SLAB-ON-GRADE
		SPEC.	SPECIFICATION
		SQ.	SQUARE
		S.S.	STAINLESS STEEL
		STD.	STANDARD
FDN.	FOUNDATION	SSH	SHORT SLOTTED HOLE
FIN.	FINISH	SYM.	SYMMETRICAL
F.F.	FINISH FLOOR		
F.G.	FINISHED GRADE		
F.L.	FLOOR	T&B	TOP AND BOTTOM
F.N.	FIELD NAIL	T&G	TONGUE AND GROOVE
F.O.G.	FACE OF CONCRETE	TD	TIEDOWN
F.O.S.	FACE OF STUD	T.O.C.	TOP OF CONCRETE
F.R.T.	FIRE RETARDANT TREATED	T.O.F.	TOP OF FOOTING
F.S.	FACE SIDE	T.O.S.	TOP OF STEEL FRAMING
FTS.	FOOTING	T.O.P.	TOP OF PLATE/ TOP OF PARAFET
GA.	GAUGE	TRANS.	TRANSVERSE
GB.	GRADE BEAM	TYP.	TYPICAL
G.C.	GENERAL CONTRACTOR		
GLB.	GLUE LAMINATED (BEAM)	U.O.N.	UNLESS OTHERWISE NOTED
		UT.	ULTRASONIC TESTING
HCA.	HEADED CONC. ANCHOR (STUD)	VERT.	VERTICAL
HD	HOLDOWN	V.I.F.	VERIFY IN FIELD
HDR.	HEADER		
HGR.	HANGER	V.	WEST
HORIZ.	HORIZONTAL	V.	NORTH
HT.	HEIGHT	WF	WIDE FLANGE
H.S.	HIGH STRENGTH	W.H.S.	WELDED HEADED STUD
H.S.B.	HIGH STRENGTH BOLTS	W.J.	WALL JOINT
HSS	HOLLOW STEEL SECTION	W/O	WITHOUT
HSSH	HORIZONTAL SHORT SLOTTED HOLES	W.P.	WORK POINT
INT.	INTERIOR		
J.H.	JOIST HANGER		
LLH.	LONG LEG HORIZ.		
LLV.	LONG LEG VERT.		
LSH.	LONG SLOTTED HOLE		
LSL.	LAMINATED STRAND LUMBER		
LONS.	LONGITUDINAL		
L.V.F.	LOW-VELOCITY FASTENER		
LVL.	LAMINATED VENEER LUMBER		

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FILE # 41-26

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HMC Architects

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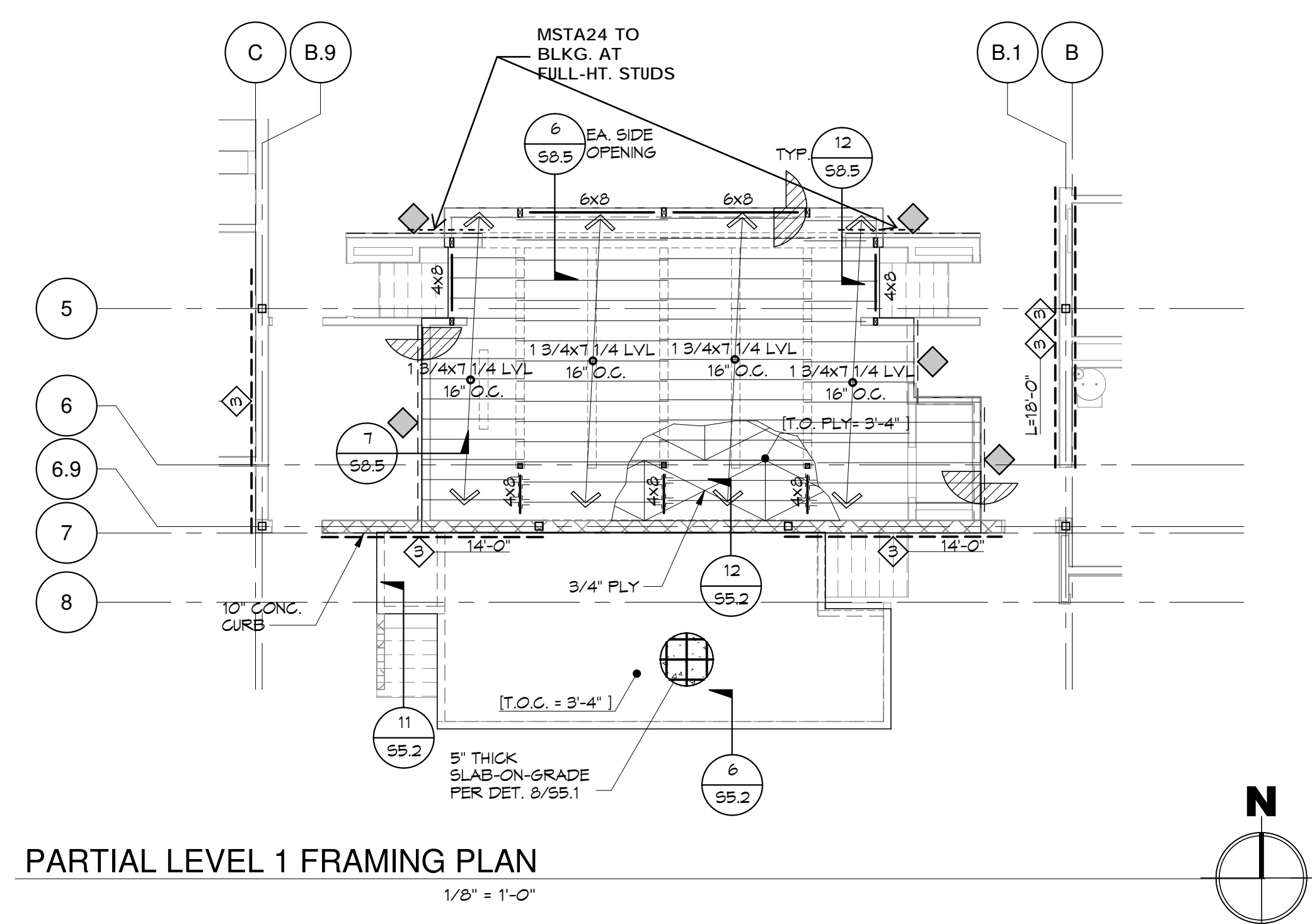
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$$1/\delta^* = 1 - \phi^*$$


PARTIAL LEVEL 1 FRAMING PLAN

$$1/\theta^* = 1 - Q^*$$

1. FOR STRUCTURAL GENERAL NOTES, SEE SHEETS S1.0 AND S1.1.
2. FOR TYPICAL CONCRETE DETAILS, SEE SHEETS SS.1 AND SS.2.
3. FOR BUILDING LAYOUT AND DIMENSIONS, SEE ARCHITECTURAL DRAWINGS, TYP. U.O.N.
4. FOR FINISH FLOOR ELEVATIONS, DEPRESSIONS, DRAINS, ETC., SEE ARCHITECTURAL DRAWINGS.
5. FOR FAD ELEVATIONS, SEE CIVIL DRAWINGS.
6. FOR MECHANICAL, ELECTRICAL, AND PLUMBING OPENINGS, ETC., SEE DRAWINGS OTHER THAN STRUCTURAL.
7. TOP OF FOOTINGS SHALL BE AT LEAST 1.00M (1'-0") WITH RESPECT TO DATA ELEVATION OR 10-15% ABOVE ADJACENT SOIL PAD GRADE ELEVATION, WHICHEVER TYP. U.O.N.
8. EXCAVATIONS SHALL BE MADE AS NEAR AS POSSIBLE TO THE LINES REQUIRED BY THE FOUNDATION. NO MATERIAL IS TO BE OVER EXCAVATED UNNECESSARILY.
9. VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION IN THE EVENT THAT SUCH UTILITIES ARE ENCOUNTERED DURING EXCAVATION. NOTIFY ARCHITECT IMMEDIATELY.
10. FOR DRAINAGE DETAILS, Sumps, PITS, WATERPROOFING, MOISTURE BARRIERS, TRENCHES, CURBS, EXTERIOR WALKS, UTILITIES, EQUIPMENT DETAILS, STEPS, ETC., SEE DRAWINGS OTHER THAN STRUCTURAL.
11. SETBACK CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO TRENCHING OR FORMING FOUNDATIONS. THE FOUNDATION SUBTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR, SURVEYOR, AND THE ARCHITECT.
12. THE GEOTECHNICAL ENGINEER SHALL BE RETAINED TO PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING AND FOUNDATION PHASE OF CONSTRUCTION. THEIR INSPECTION AND TESTING REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT.
13. **CF-X** SEE DET. 1 AND 2/552 FOR GRADE BEAM DETAILS.



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 (650) 617-5930

FACILITY:

GEORGE HALL ELEMENTARY SCHOOL
SAN MATEO FORSTER CITY SCHOOL DISTRICT
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
FOUNDATION PLAN

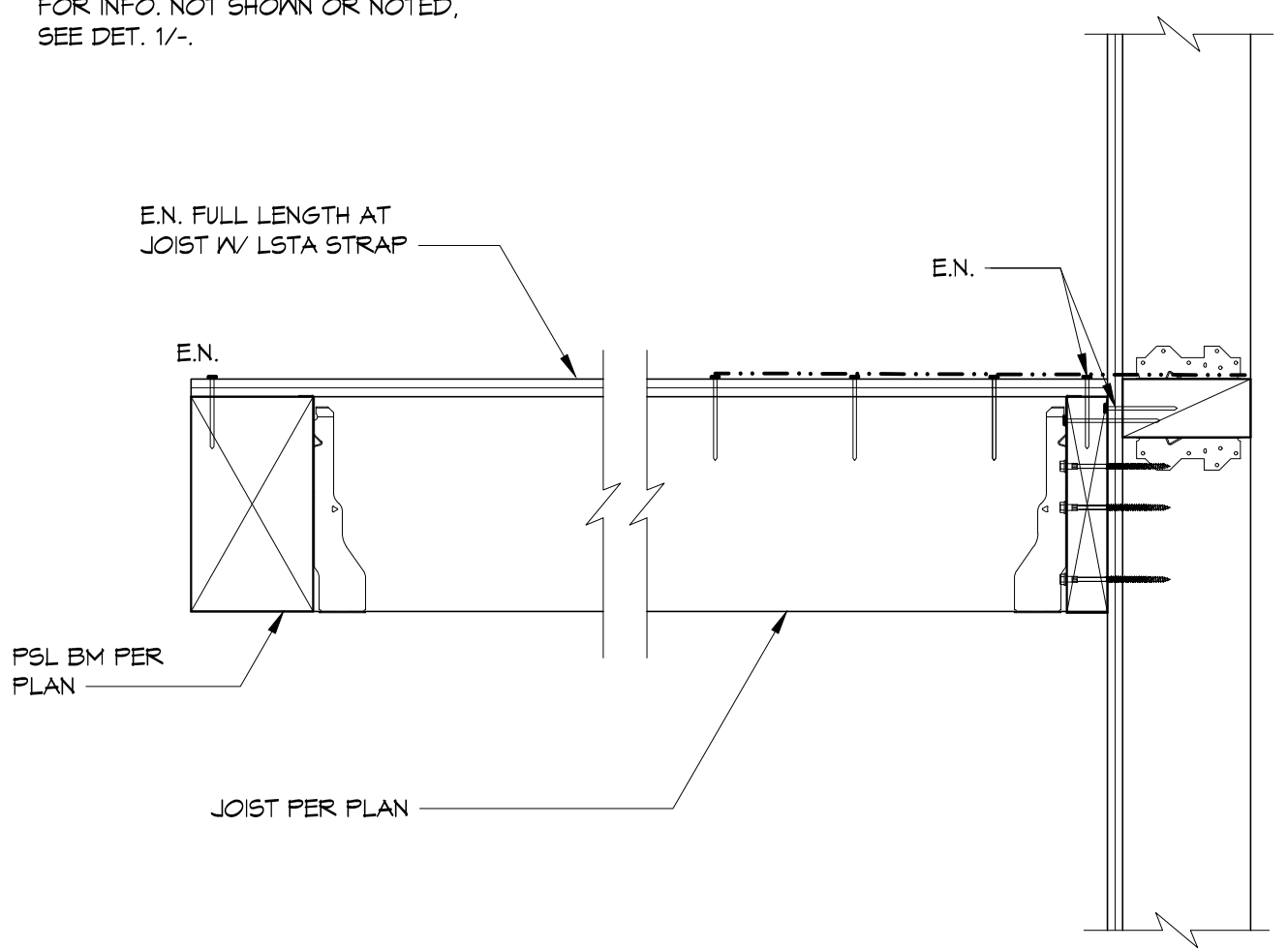
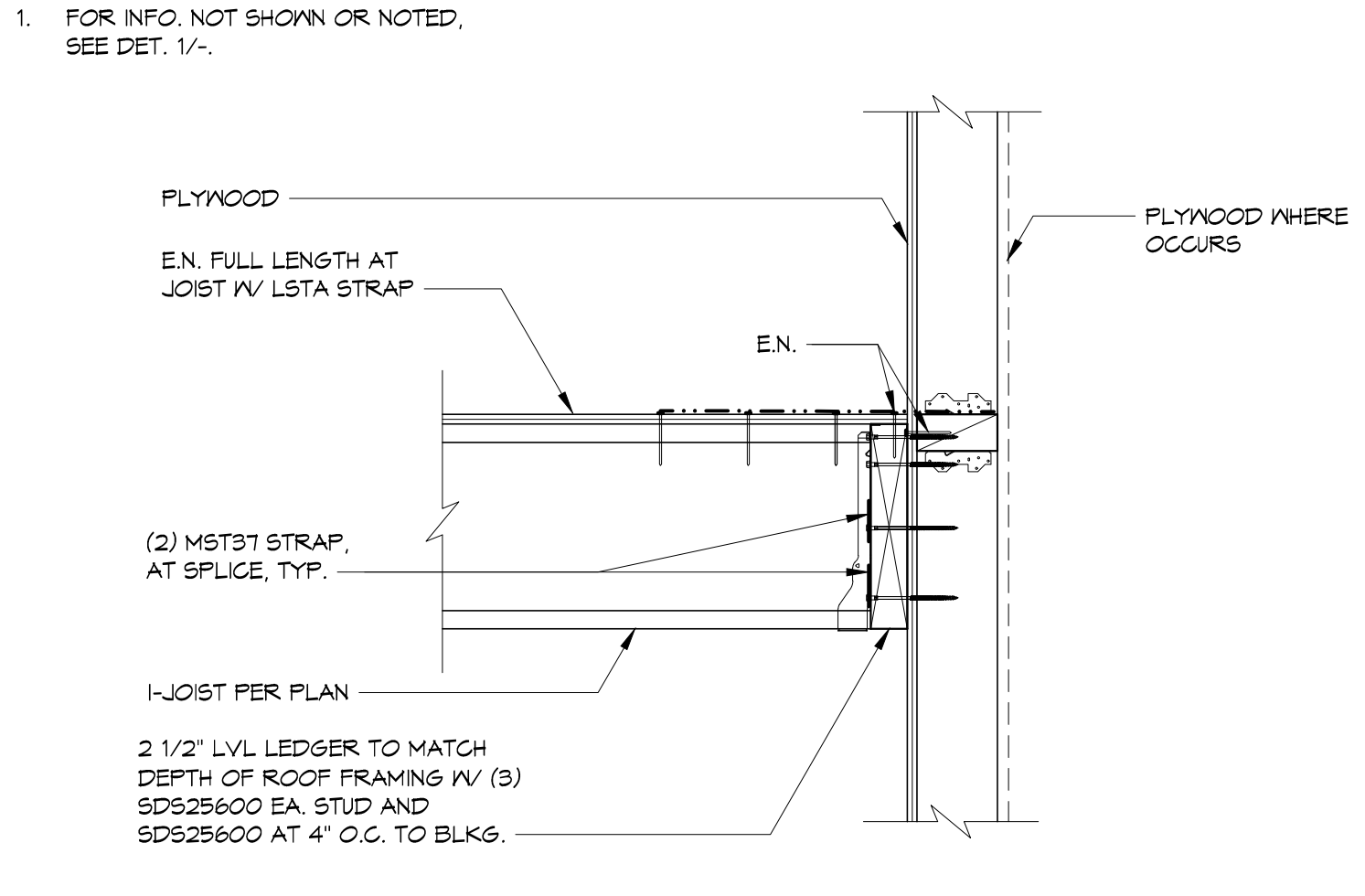
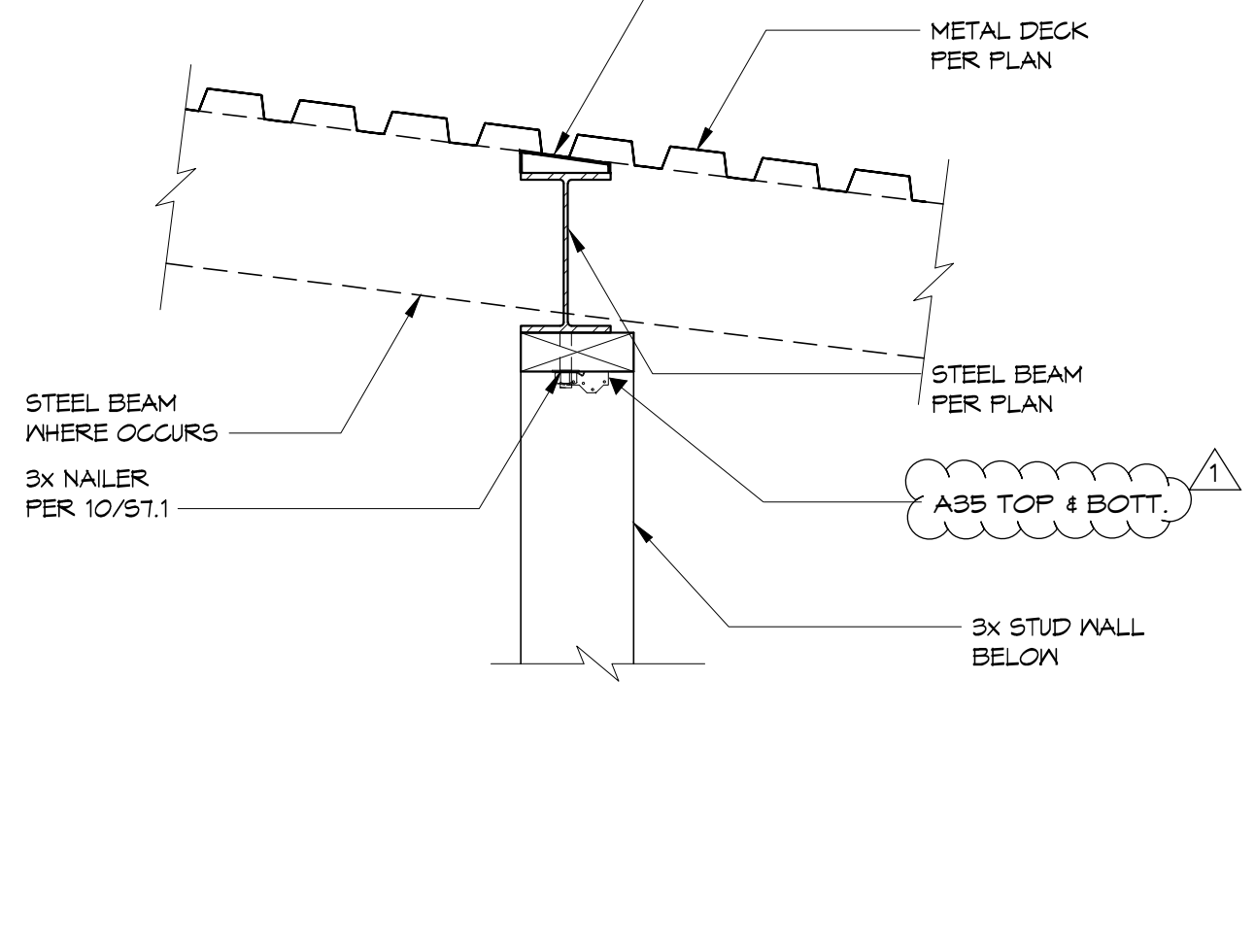
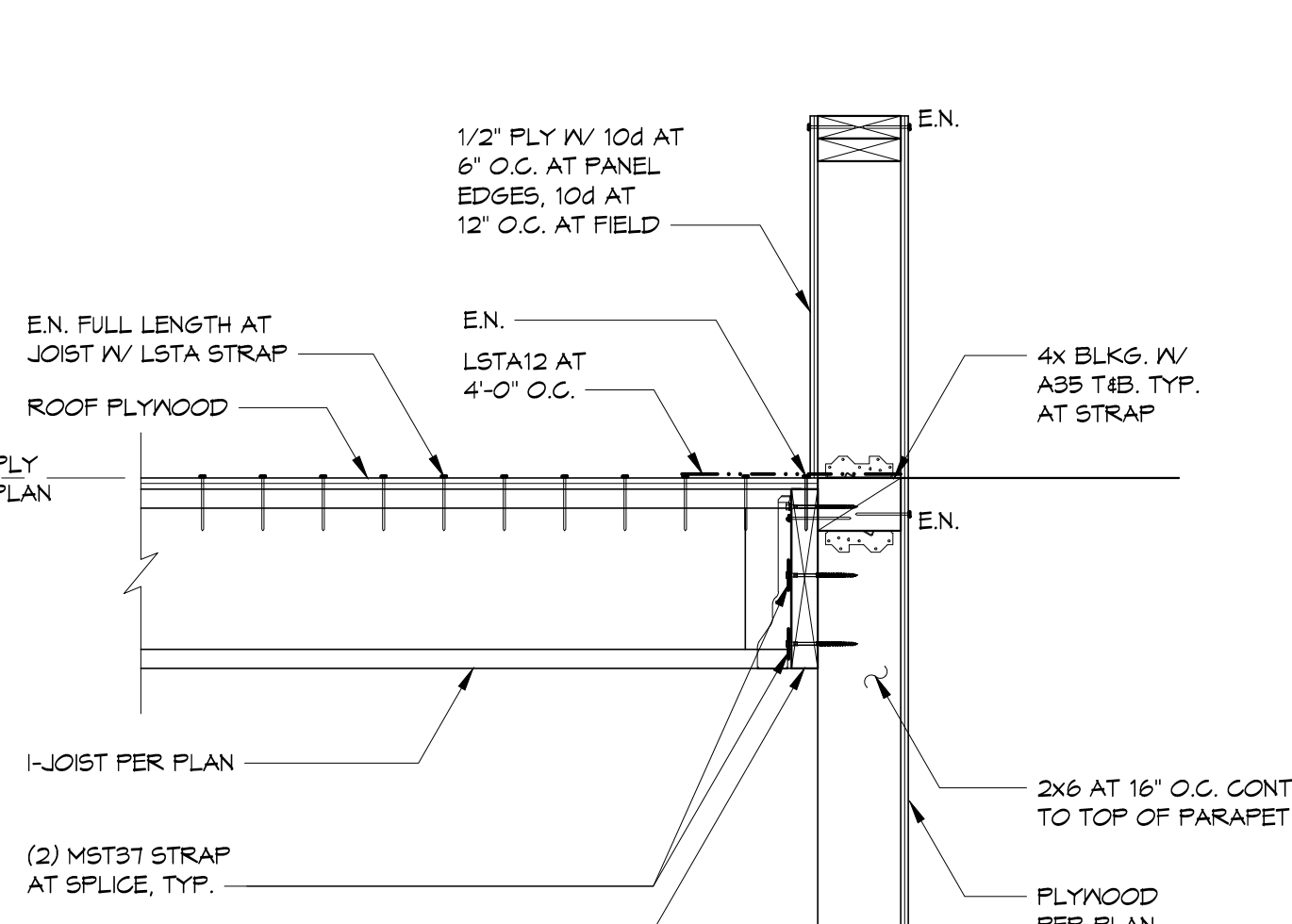
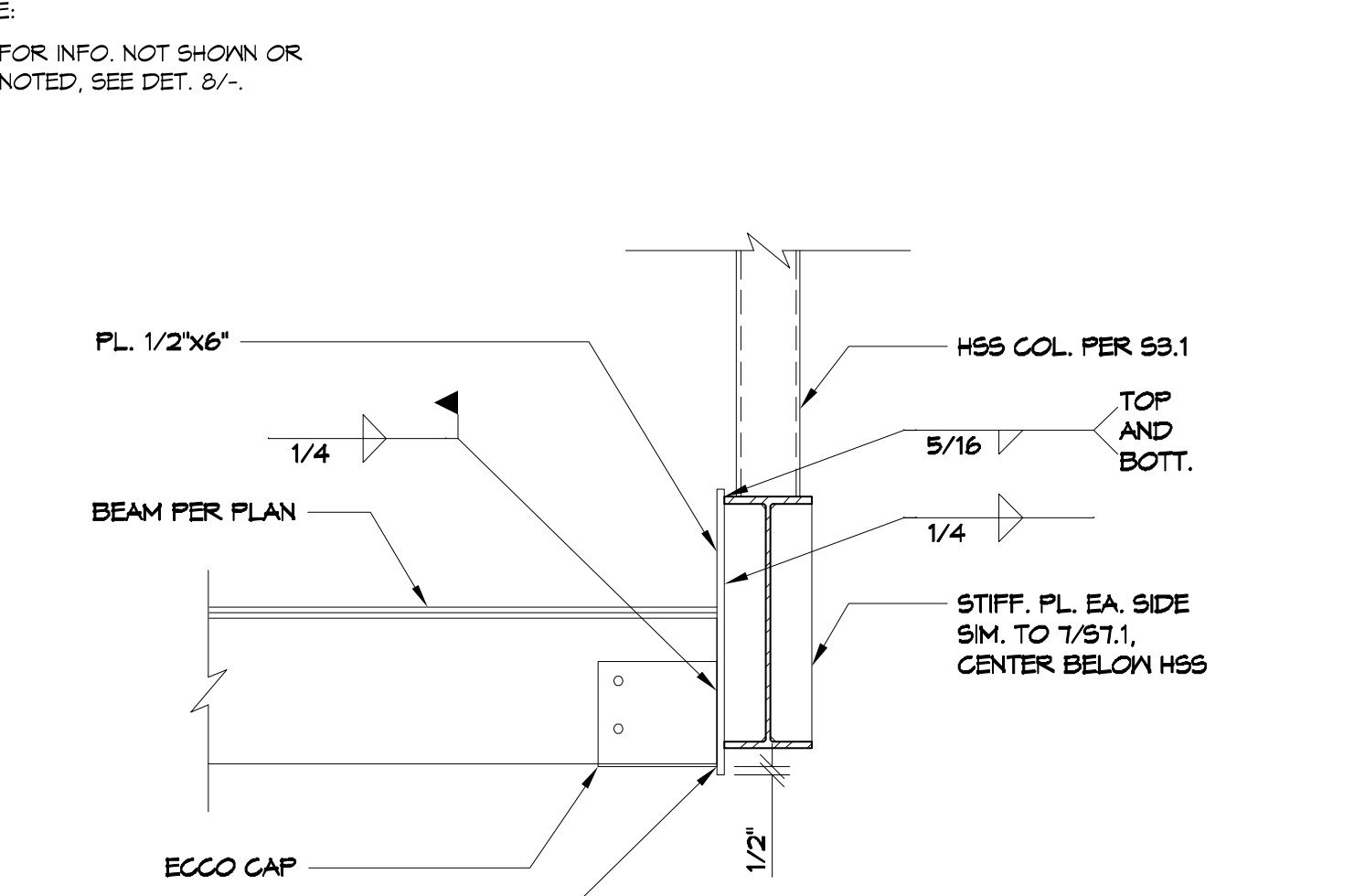
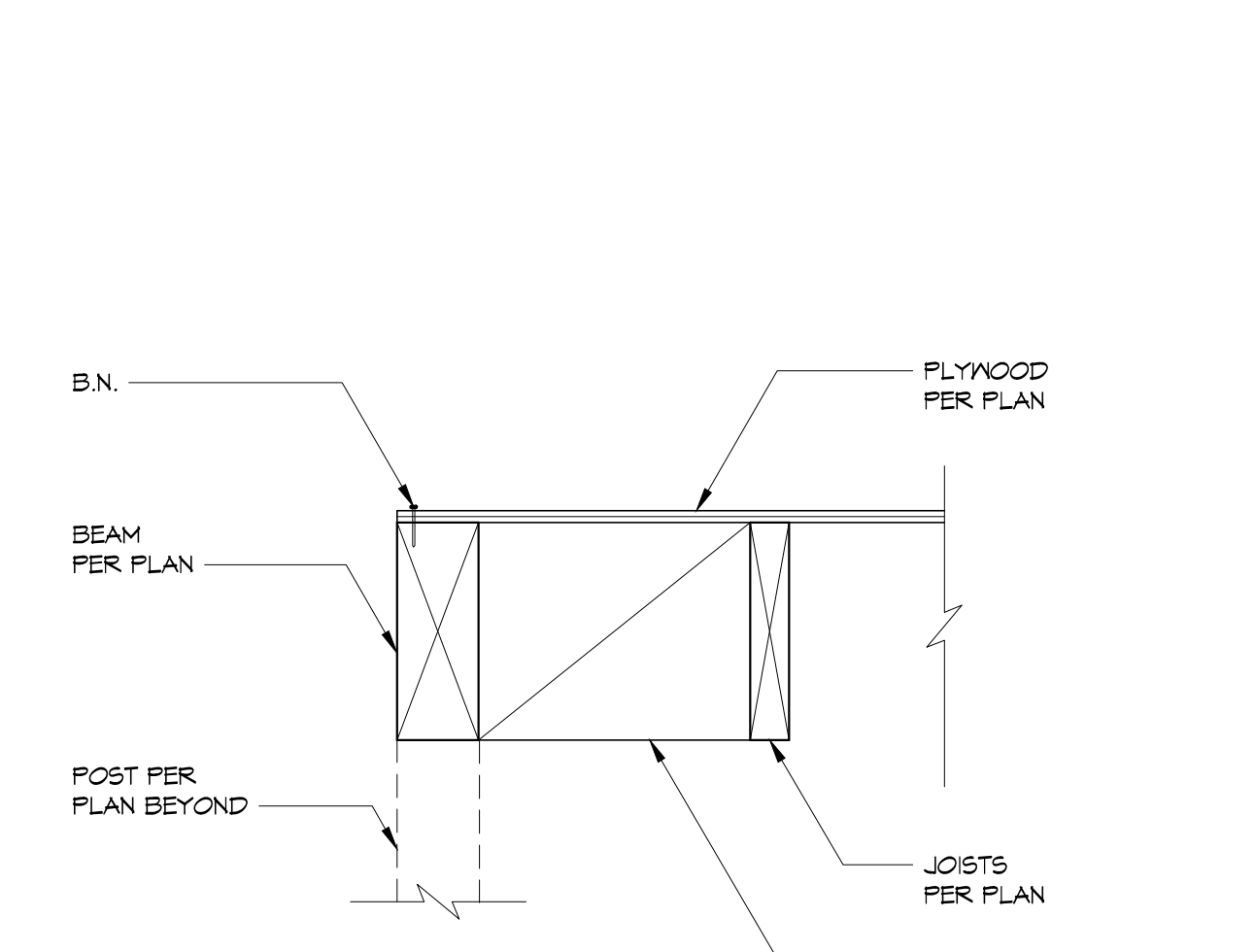
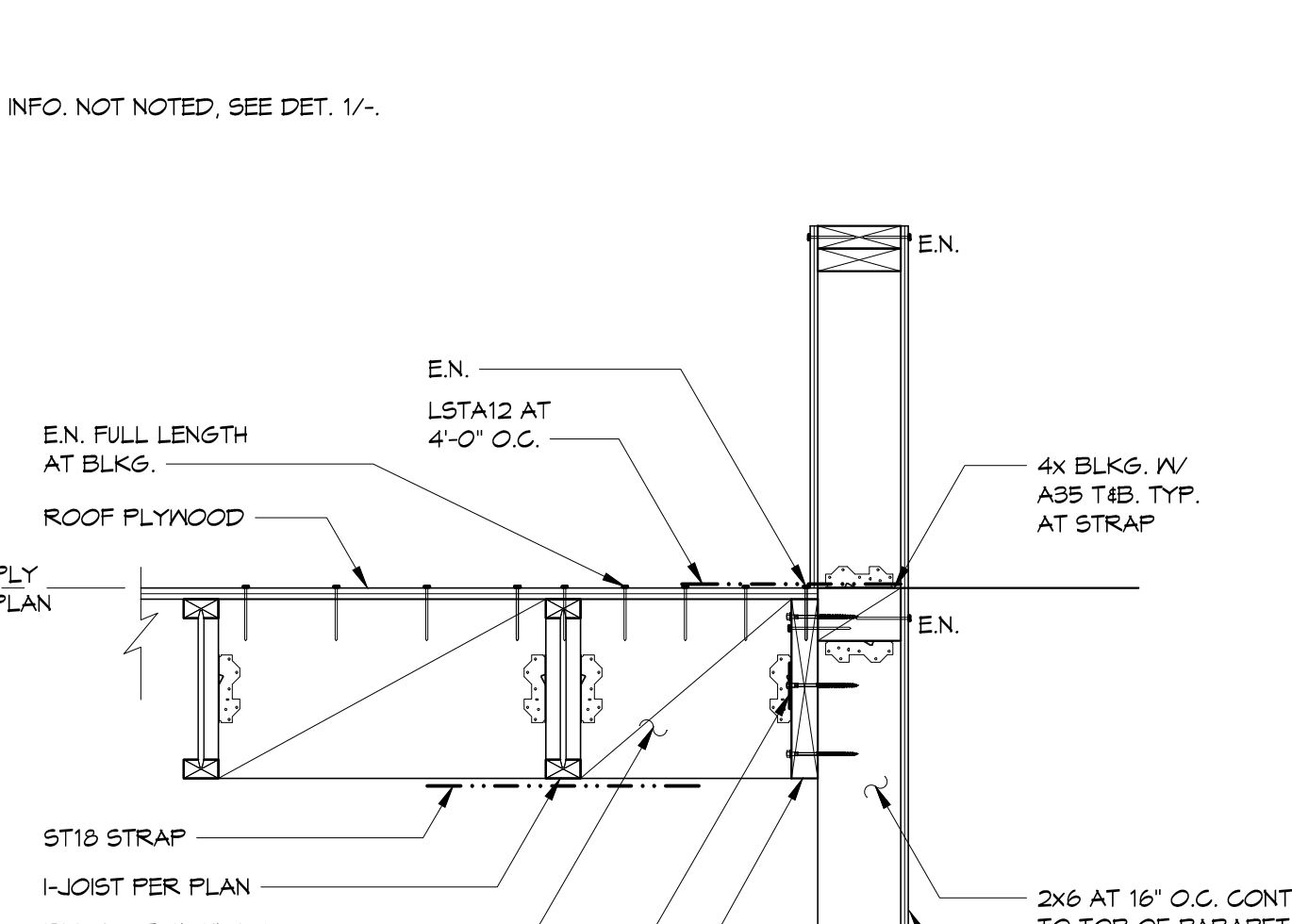
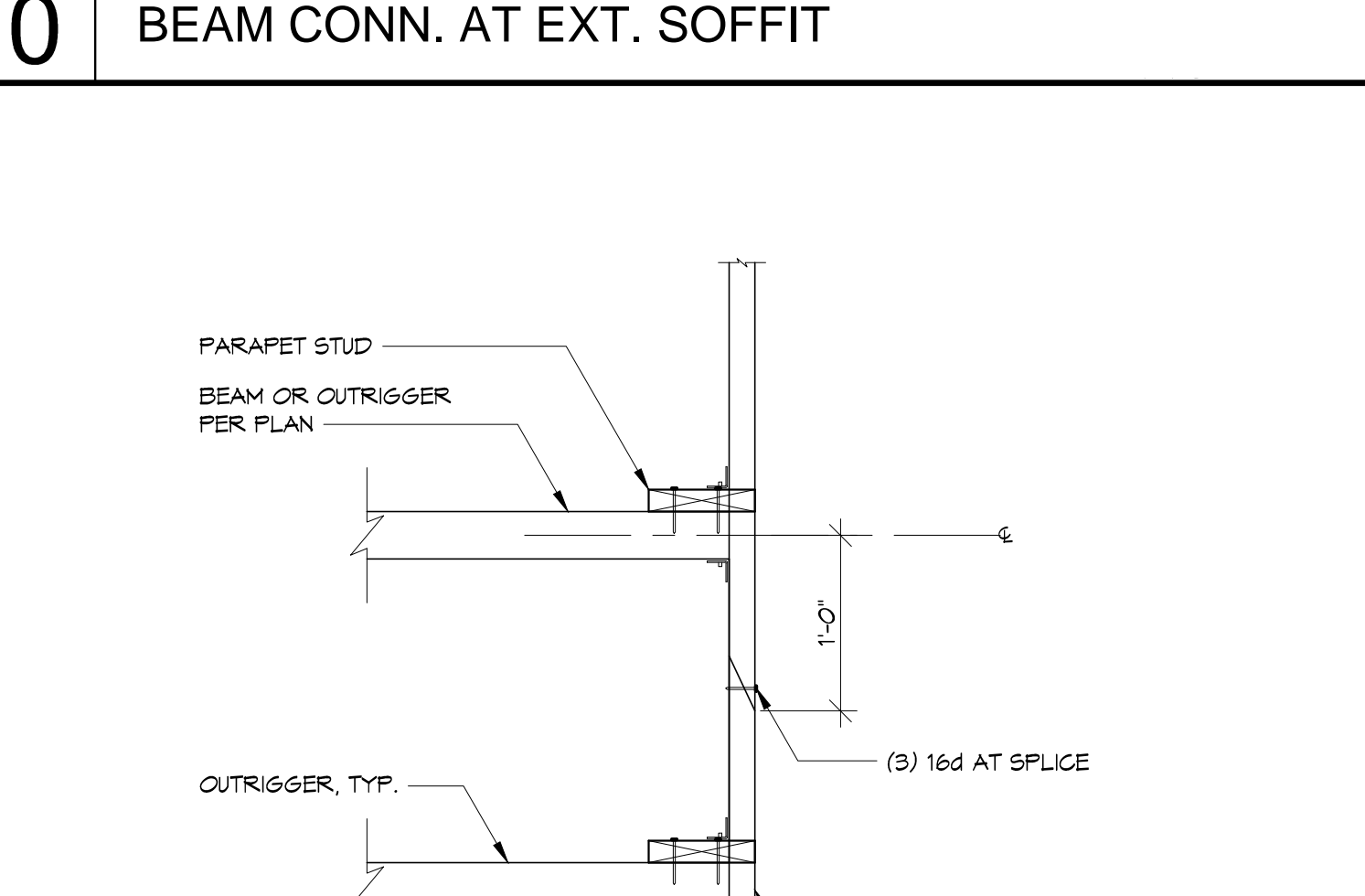
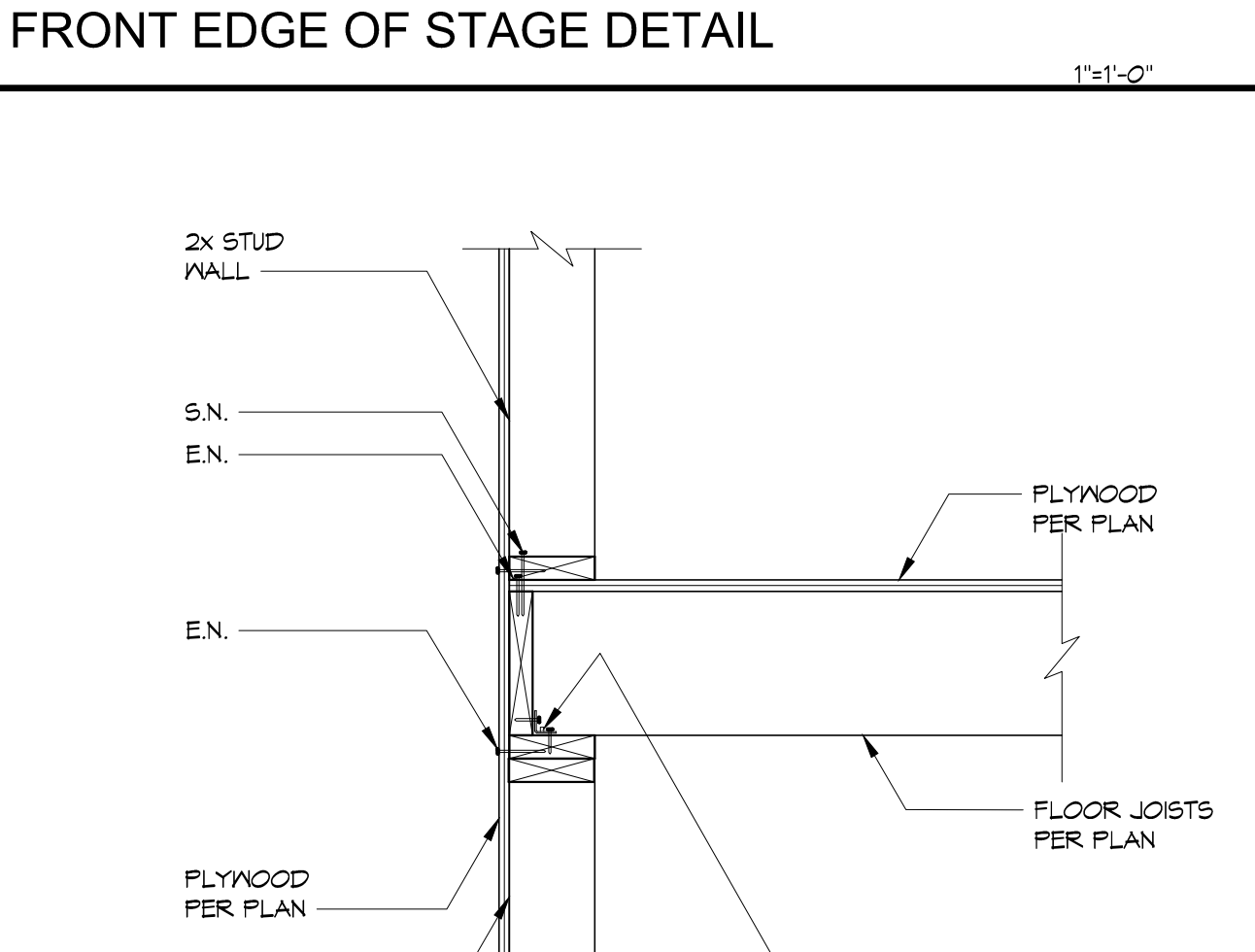
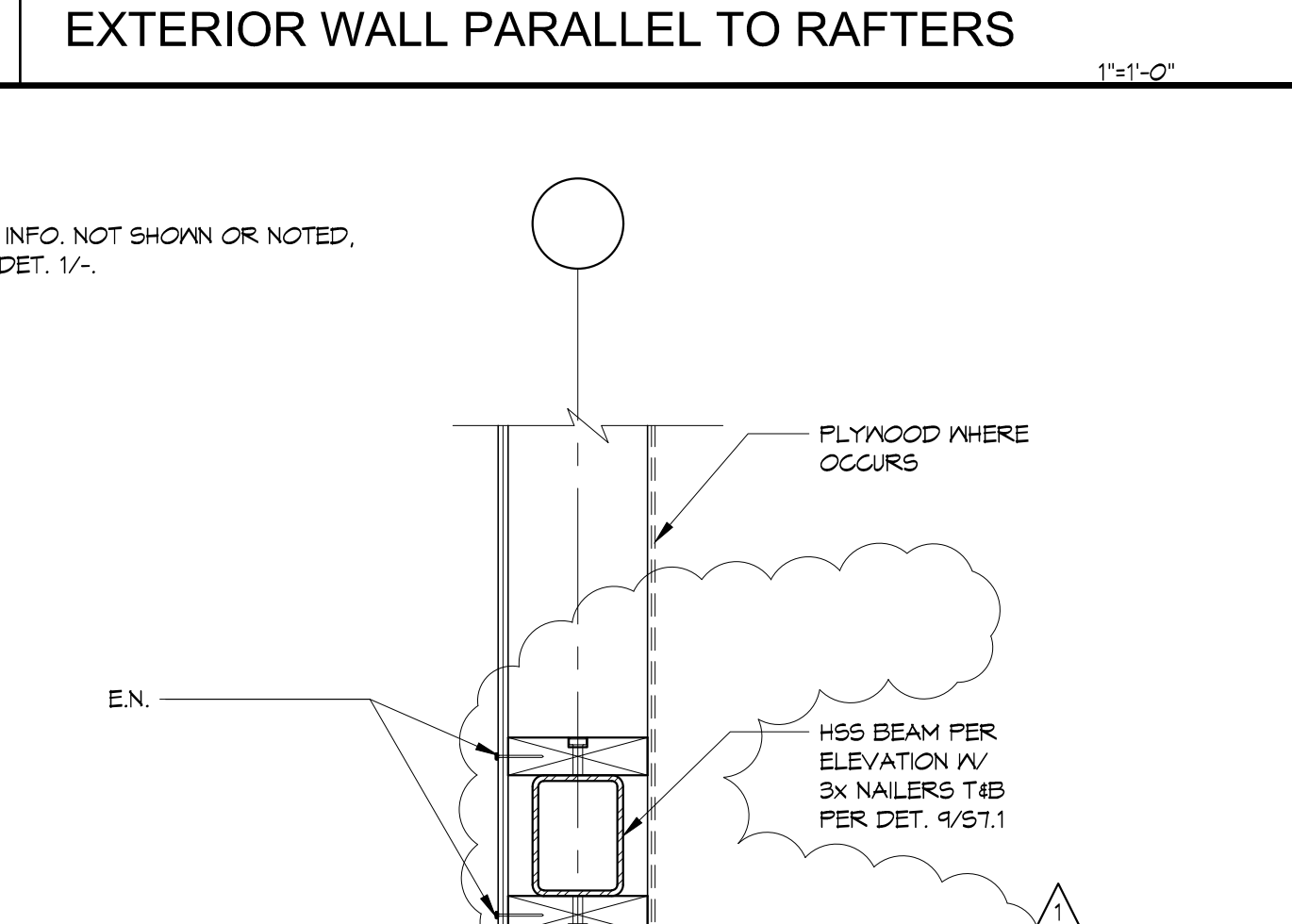
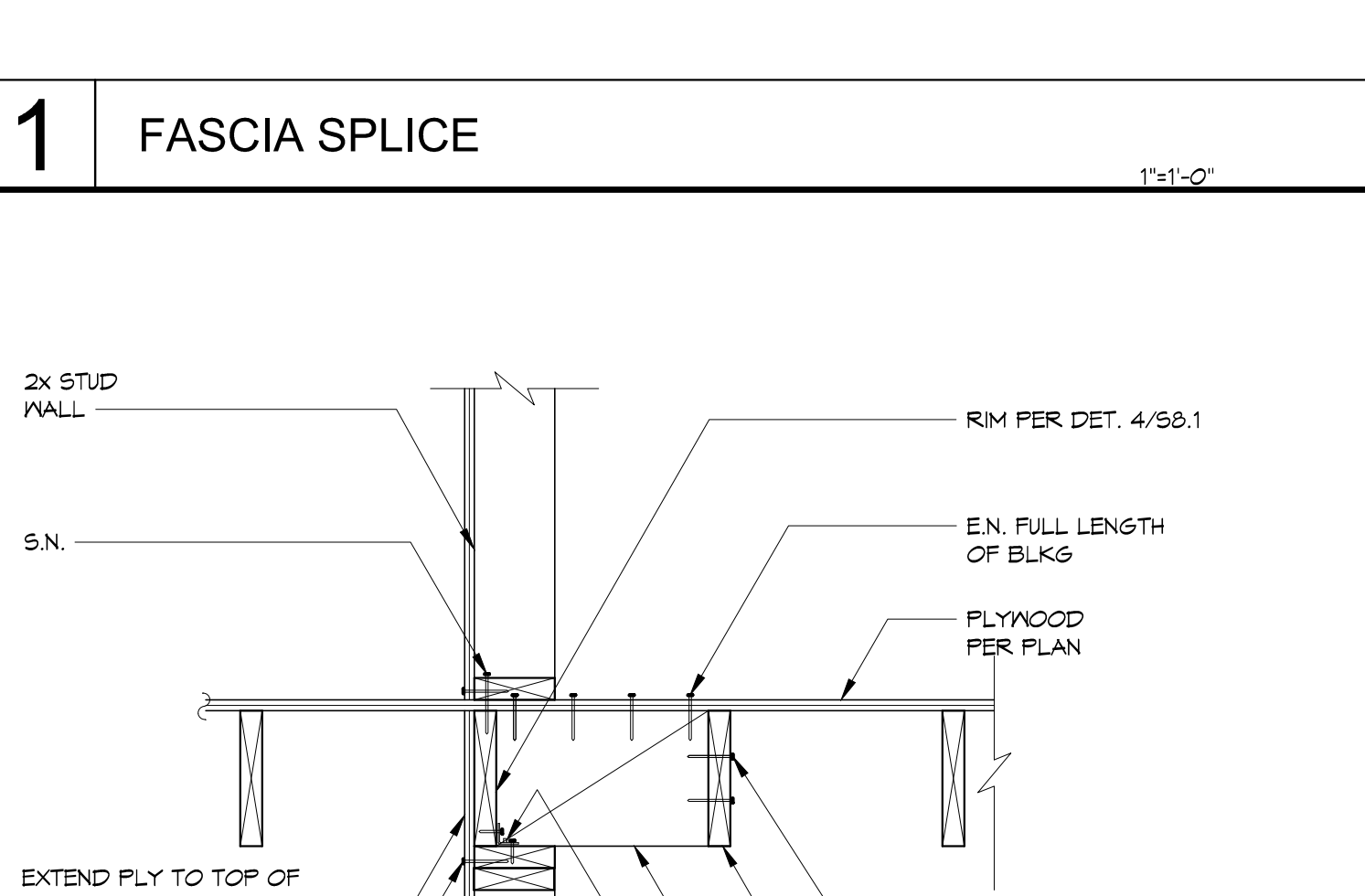
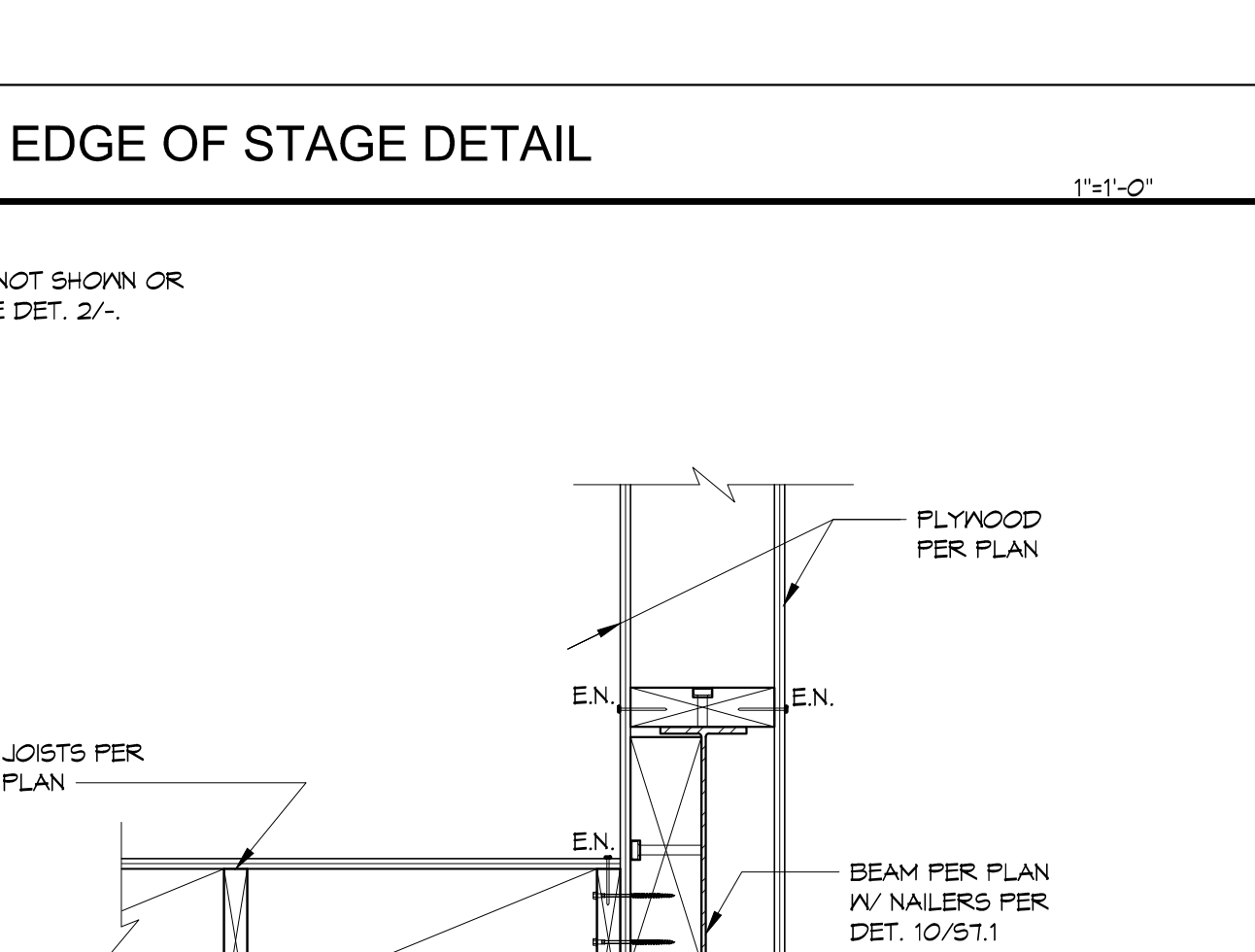
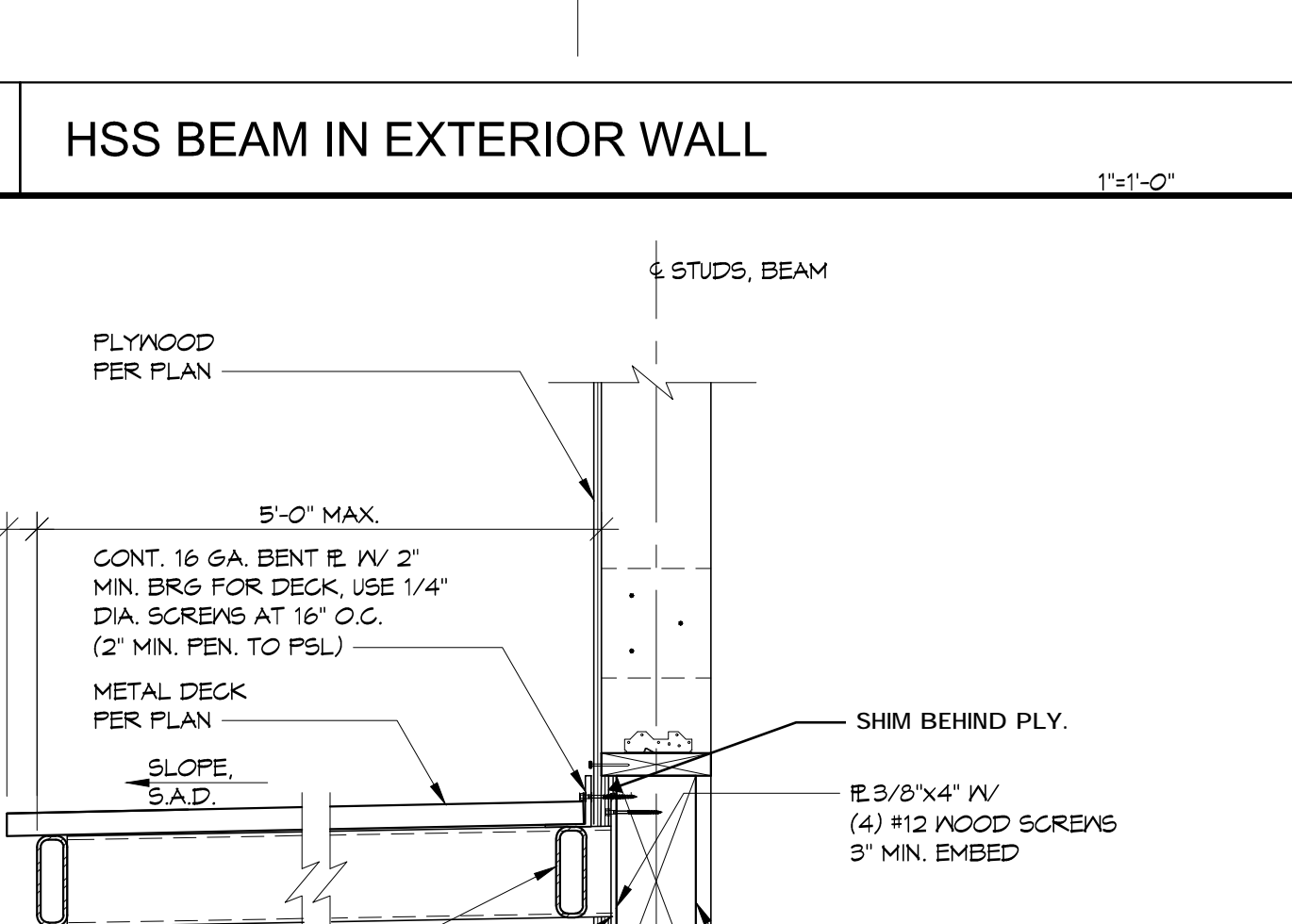
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DATE: 10.04.2021

PROJ NO: 3542-004

SHEET

DETAILS SHOWN ABOVE THIS SHEET ORIGINALLY FROM SHEET S8.5

	<p>NOTE: 1. FOR INFO. NOT SHOWN OR NOTED, SEE DET. 1/-.</p> 	
13	EXTERIOR WALL AT CANOPY ROOF 1"=1'-0"	
9	EXTERIOR WALL AT LOW ROOF 1"=1'-0"	
	<p>NOTE: 1. FOR INFO. NOT SHOWN OR NOTED, SEE DET. 8/-.</p> 	
5	TOP OF PROSCENIUM WALL AT STEEL BEAM 1"=1'-0"	
		
1	EXTERIOR WALL PERPENDICULAR TO RAFTERS 1"=1'-0"	
	<p>NOTES: 1. FOR INFO. NOT NOTED, SEE DET. 1/-.</p> 	
14		
10	BEAM CONN. AT EXT. SOFFIT 1"=1'-0"	
		
6	FRONT EDGE OF STAGE DETAIL 1"=1'-0"	
		
2	EXTERIOR WALL PARALLEL TO RAFTERS 1"=1'-0"	
	<p>NOTES: 1. FOR INFO. NOT SHOWN OR NOTED, SEE DET. 1/-.</p> 	
15		
11	FASCIA SPLICE 1"=1'-0"	
		
7	EDGE OF STAGE DETAIL 1"=1'-0"	
		
3	HSS BEAM IN EXTERIOR WALL 1"=1'-0"	
		
16		
12	STAGE AT JOISTS PARALLEL 1"=1'-0"	
		
8	SECTION AT EXTERIOR SOFFIT 1"=1'-0"	
		
4	SECTION AT EXTERIOR CANOPY AT LINE 7 1"=1'-0"	
		

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PROJECT:

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SHEET NAME:

WOOD DETAILS

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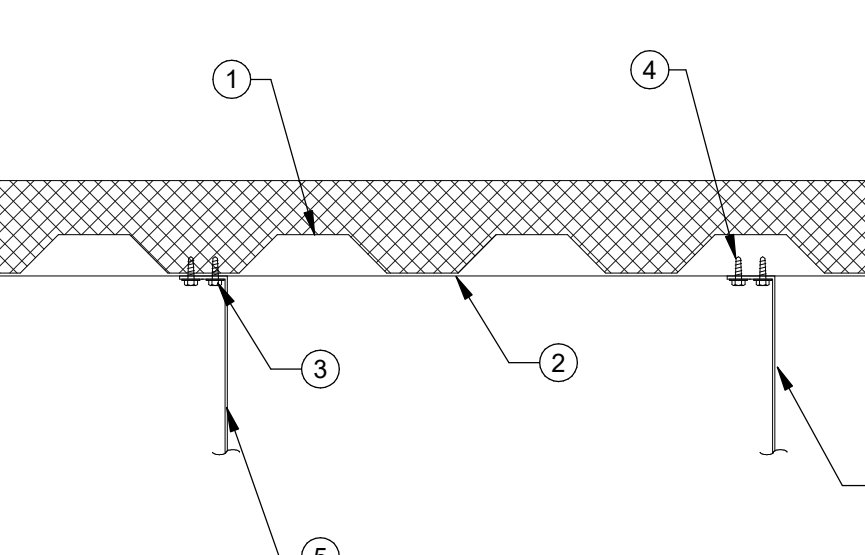
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SHEET:

S8.5

11/5/2021 10:48:41 AM

- NOTES:
A. HANGER SPACING TO BE AT MAXIMUM 8FT O.C.



1. METAL PANDECK (20 GA MIN)
2. METAL DECK PLATE SEE STRUCTURAL
3. FASTEN STRAP TO BOTTOM OF PLATE THRU LOWER FLUTE WITH #10 SM SCREWS (TYP OF 2)
4. FASTEN STRAP TO BOTTOM OF PLATE WITH #10 SM SCREWS (TYP OF 2)
5. SEE SMACNA TABLES 4-1 AND 4-2 FOR GAGE AND SPACING OF STRAP. SEE LOWER ATTACHMENT DETAILS FOR CONTINUATION (TYP.)



1. ROOF MOUNTED EXHAUST FAN,
26 GA GALV. SM COUNTER
FLASHING.
3. SECURE FAN TO CURB WITH #
12X1-1/2" SM SCREWS, 4 PER
SIDE. MIN 2" PENETRATION INTO
NAILED DECK.
5. ROOFING UP AND UNDER
FLASHING.
7. CANT STRIP
EXTEND FAN CURB BY FAN MF
RIGID INSULATION ALL AROUND
8. PRESSURE TREATED DOUG FIR
1X6 LAG BLOCK, MIN. 2" HIGH,
TOP FLAT/LEVEL.
9. 1/2" LAG SCREW AT 24" O.C.
CENTERED OVER BLOCKING. MIN
2" OVERLAPS EACH SIDE AND
6" FROM, EMBED 3" INTO
BLOCKING. TYP. ROOF FRAMING, SEE
STRUCTURAL.
11. DXG BLOCKING BETWEEN JOIST
AND HANGERS, SEE
STRUCTURAL. PROVIDE EDGE
NAILING INTO BLOCKING.
13. BACKDRAFT DAMPER BY FAN
MFG.
15. SIMPSON HANGER AT EACH
END(TYP).



1. ROOF MOUNTED EXHAUST FAN.
2. 26 GA GALV. SM COUNTERFLASHING.
3. SECURE FAN TO CURB WITH # 12 SM SCREWS, 4 PER SIDE.
4. ROOFING UP AND UNDER FLASHING.
5. CANT STRIP.
6. EXHAUST FAN CURB BY FAN MFR.
7. RIGID INSULATION ALL AROUND.
8. FAN SURFACE TREATED DOG FIR FLEVLING BLOCK, MIN. 2" HIGH.
9. TOP PLATE LEVEL.
10. 1 1/2" X 6" LAG SCREW AT 24" O.C. MIN 2 SCREWS EACH SIDE AND 8" FROM END, TYP.
11. TOP OF FRAMING, SEE STRUCTURAL.
12. 4X6 BLOCKING BETWEEN JOISTS, SEE STRUCTURAL.
13. GREASE TRAP BY FAN MFR.

- NOTES:
A. HANGER SPACING TO BE AT MAXIMUM 8FT O.C.
B. PROVIDE ROD STIFFENERS ONLY WHERE ROD LENGTH FROM SEISMIC BRACING TO UPPER ATTACHMENT EXCEEDS 18"



- SEISMIC DUCT HANGERS (RECT ≥ 6 SF, ROUND $\geq 28"$ Ø)(30 PLF MAX)

22. P1026 FITTING.
23. P1000 W/ (4) #10 SMS TO WEB OF WF
24. WALL BELOW.
25. ROOF DECK.



1. 3/8" BOLT LOCK WASHER AND NUT.
2. 4 TIGHT TURNS IN 1-1/2".
3. 10 GAUGE WIRE.
4. 4 HEAT CLAMPS.
5. EYE BOLT.
6. TURNBUCKLE.
7. 3/8" THREADED ROD.
8. LOCK NUT.
9. C-CLAMP.
10. 1/8" X1" RESTRAINING STRAP.
11. STEEL MEMBER.
12. NUTS AND LOCK WASHERS.
13. THIMBLE (TYP).
14. 1/8" WIRE ROPE (TYP).
15. CROSBY FORED WIRE ROPE CLIP. INSTALL 200 PER CABLE END.
16. EXCESS CABLE MIN 1" (TYP).
17. "UNISTRUT" MODEL #278S BEAM CLAMP AND NUT (TYP). (2) EACH END OF CHANNEL.
18. "UNISTRUT" P1001 CHANNEL NUT.
19. 1/2" X1/2" MAX 1/4" GA STRAP.
20. 3/8" BOLT, CHANNEL NUT.
21. 1/2" X1/2" MAX 1/4" GA STRAP. PROVIDE "TOLCO" FIB 75 SWIVEL ATTACHMENT & CHANNEL NUT WHERE UNISTRUT IS SUPPORTED.
22. P1026 FITTING.
23. P1000 W/ (4) #10 SMS TO WEB OF WF.
24. WALL BELOW.
25. ROOF DECK.

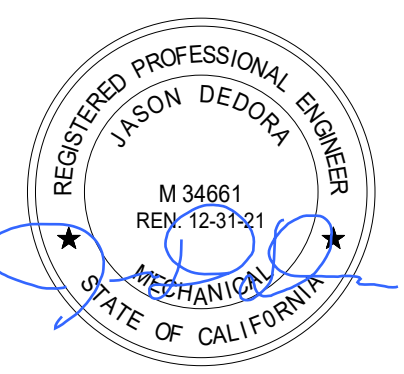


-
- SEE UPPER ATTACHMENT
DETAILS FOR CONTINUATION
(TYP)
- SPRING NUT ROD
CONNECTOR DOUBLE NUT ON
TOP
- "MASON" PC30N VIBRATION
ISOLATORS (OSHPD OPA-0349),
2" DEFLECTION, TYP 4
- 12 GA WIRE, TYP 4
- 1 1/2"
- (4) TIGHT TURNS WITHIN
1-1/2", TYP AT EACH END
- HANGING BRACKET BY FAN
COIL MFR.
- SEE UPPER ATTACHMENT
DETAILS FOR CONTINUATION
(TYP)
- 3/8" THREADED ROD WITH
UNISTRUT P100T ROD
STIFFENER WITH 3/8" CAP
SCREWS & UNISTRUT P04B5
@ 10" O.C. MAX. OVER
LENGTH OF ROD, TYP 4.
- 6" MAX
- 3/2"x2" WIDE x 10 GA.
ANGLE, TYP.
- LOOKNUT, TYP
- FC
- FLEXIBLE CONNECTOR, TYP
- CONDENSATE FROM COIL,
SEE PLAN FOR ROUTING.
- SECONDARY CONDENSATE
OVERFLOW PROVIDE
CONDENSATE OVERFLOW
SWITCH

- | | | |
|---------------------------|-----|---|
| FAN COIL MOUNTING (STEEL) | NTS | 3 |
|---------------------------|-----|---|

DSA # 119574
FILE # 41-26

**1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpeengineers.com
Job #: 20-2125**



3542004-000

333 WEST SAN CARLOS STREET, STUDIO 750
SAN JOSE, CA 95110
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DESCRIPTION		DATE
1	ADDENDUM 02	11/19/2021

FACILITY:

GEORGE HALL ELEMENTARY SCHOOL
SAN MATEO FORSTER CITY SCHOOL DISTRICT
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
MECHANICAL DETAILS

DATE: 10.04.2021 PROJ NO: 2542.004

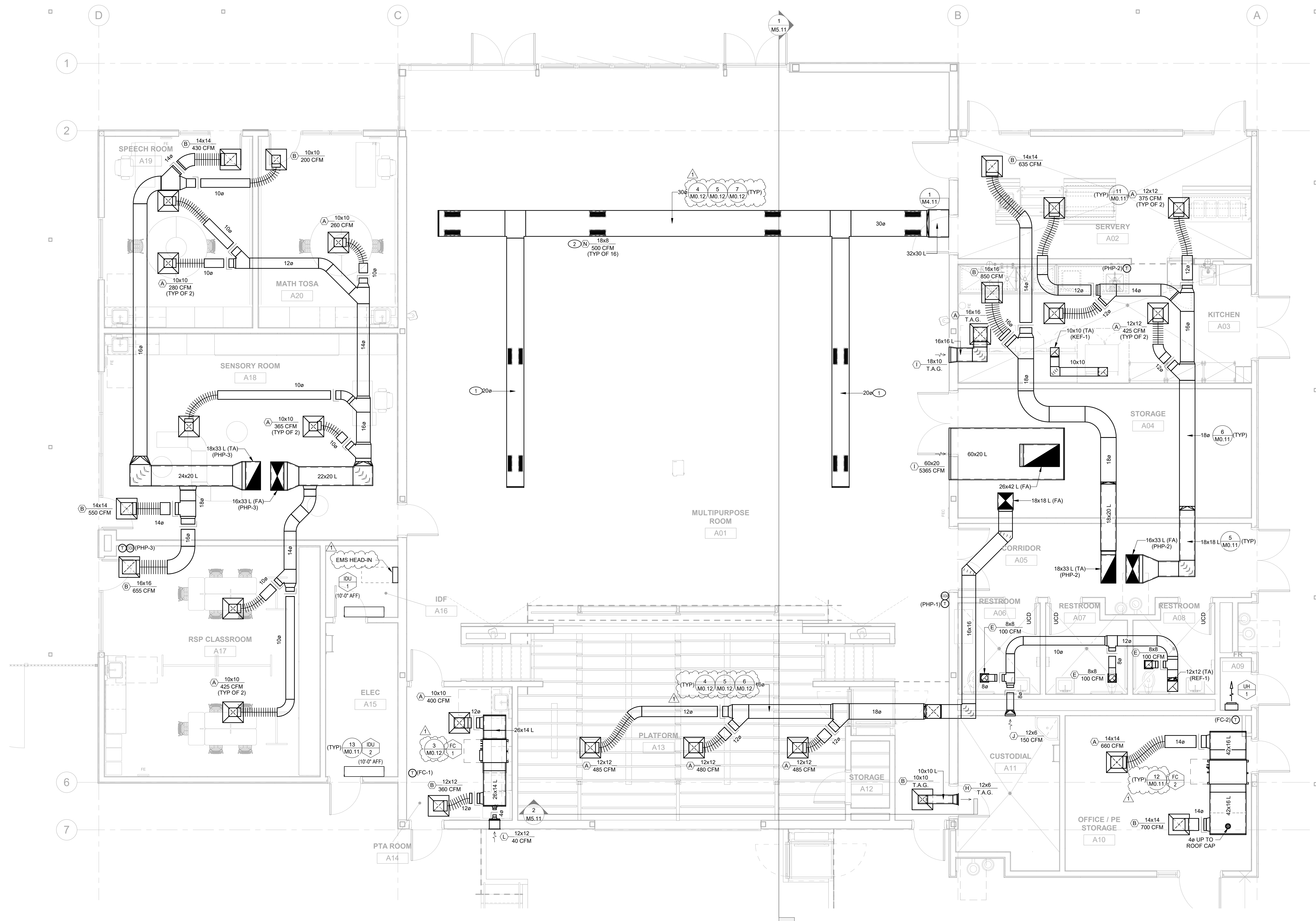
SHEET: _____

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PLEASE RECYCLE

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THE LINE SHOWN ABOVE THE
EXISTING FLOOR SLAB
SHEETS ORIGINALLY SIZE



1 MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

AGENCY
APPROVAL:
DSA # 119574
FILE # 41-26

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Job #: 20-2125

REGISTERED PROFESSIONAL ENGINEER
JASON DEODAT
M 3682
REI 1231-3
MECHANICAL
STATE OF CALIFORNIA

HMC Architects
3542004-000
3546 CONCOURS STREET
ONTARIO, CA 91764
213 542 8300 / www.hmcarchitects.com

DESCRIPTION	DATE
1 PRE-BID ADDENDUM	11.05.2021

- KEYNOTES**
- 1 DUCTWORK TO BE ROUTED AS HIGH AS POSSIBLE. ALIGN WITH STRUCTURAL BEAMS ABOVE.
 - 2 TURN DOWN DIFFUSERS 45°.

FACILITY:
**GEORGE HALL ELEMENTARY SCHOOL
SAN MATEO FORSTER CITY SCHOOL DISTRICT
130 SAN MIGUEL WAY, SAN MATEO, CA 94403**

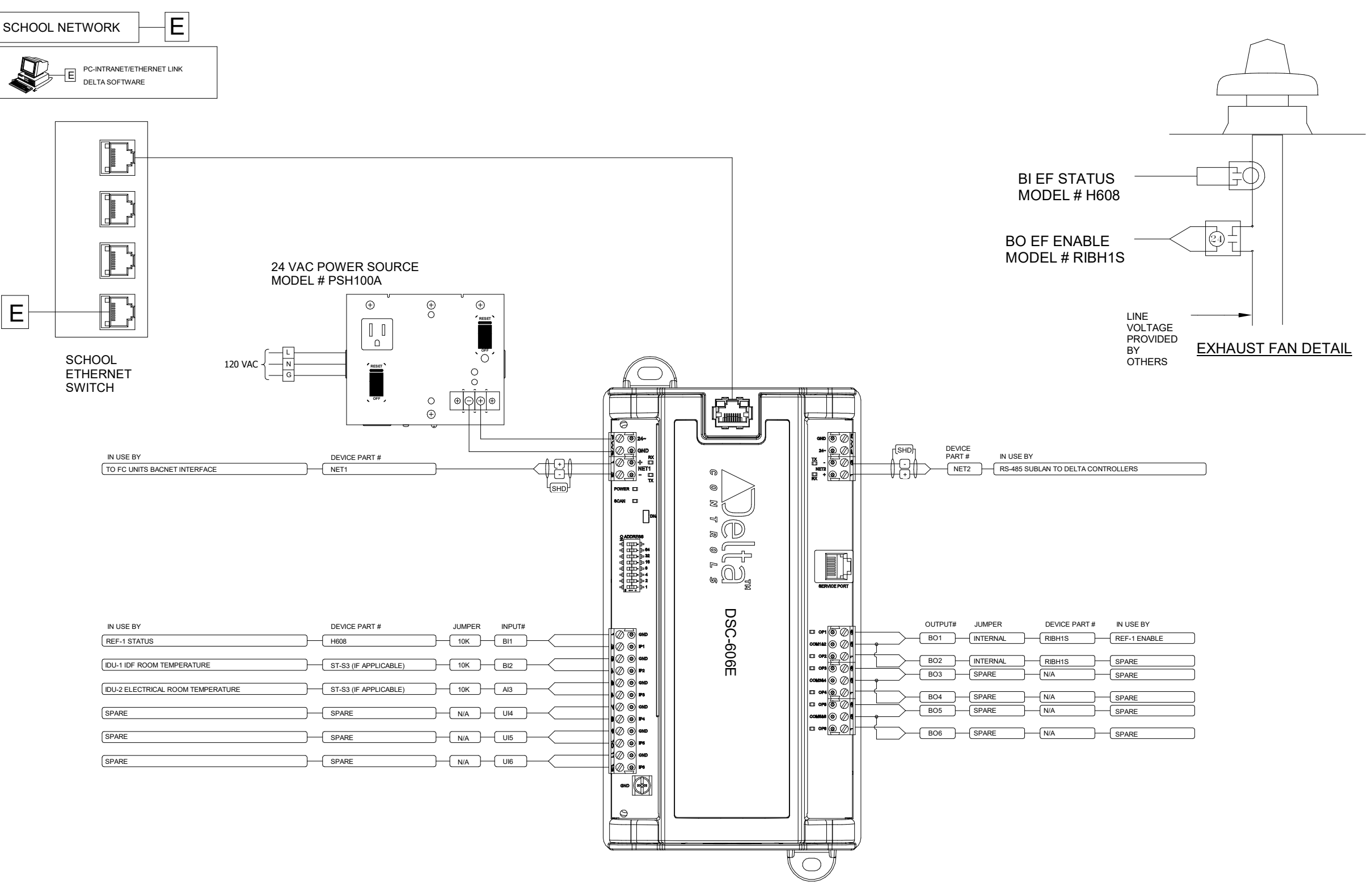
PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
MECHANICAL FLOOR PLAN

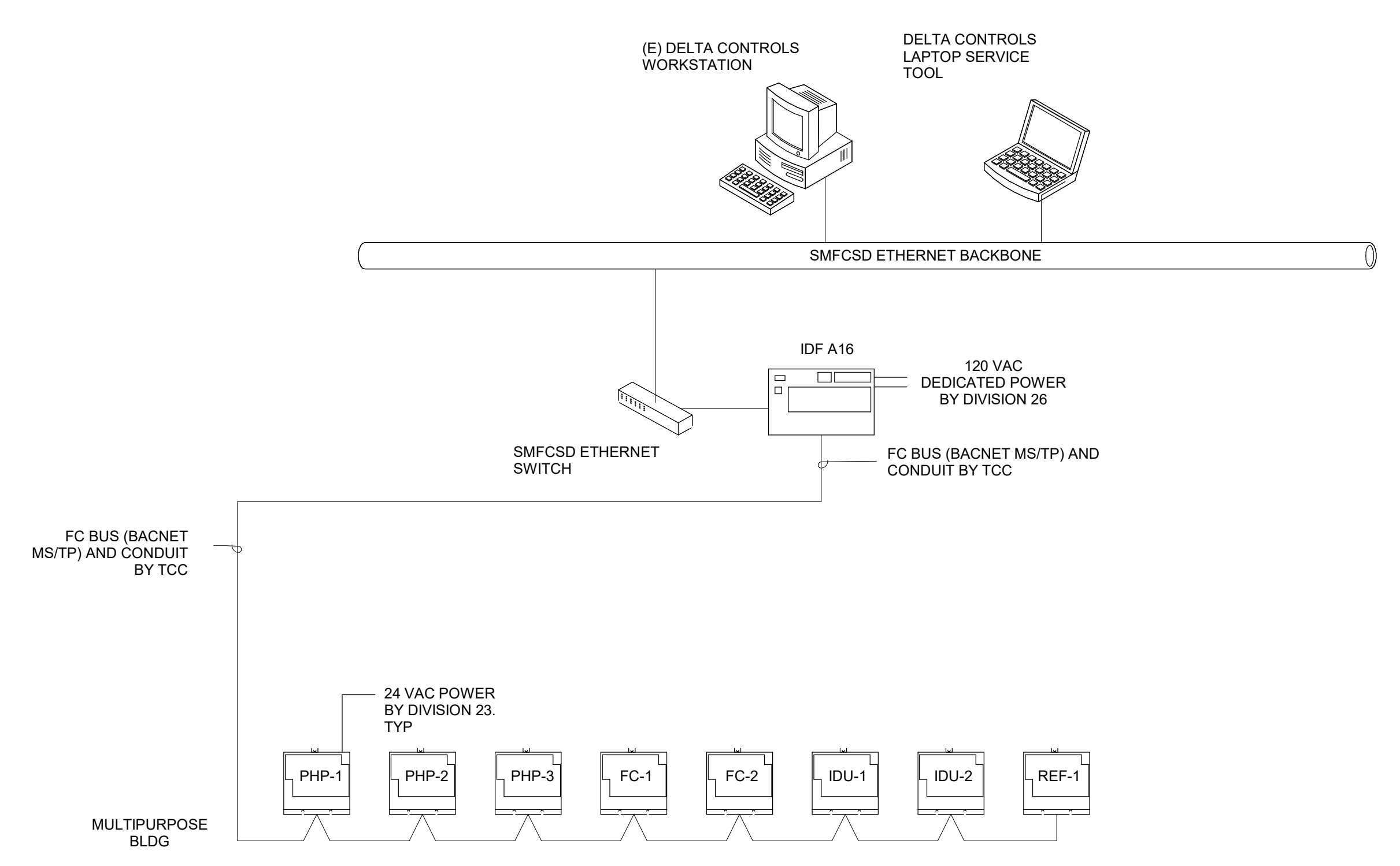
DATE: 10.04.2021
PROJ NO: 3542-004
SHEET:

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ALL LINE SHOWN ABOVE LINES
EXHAUST FAN SYSTEM
SHEET: 000000 PAGE SIZE



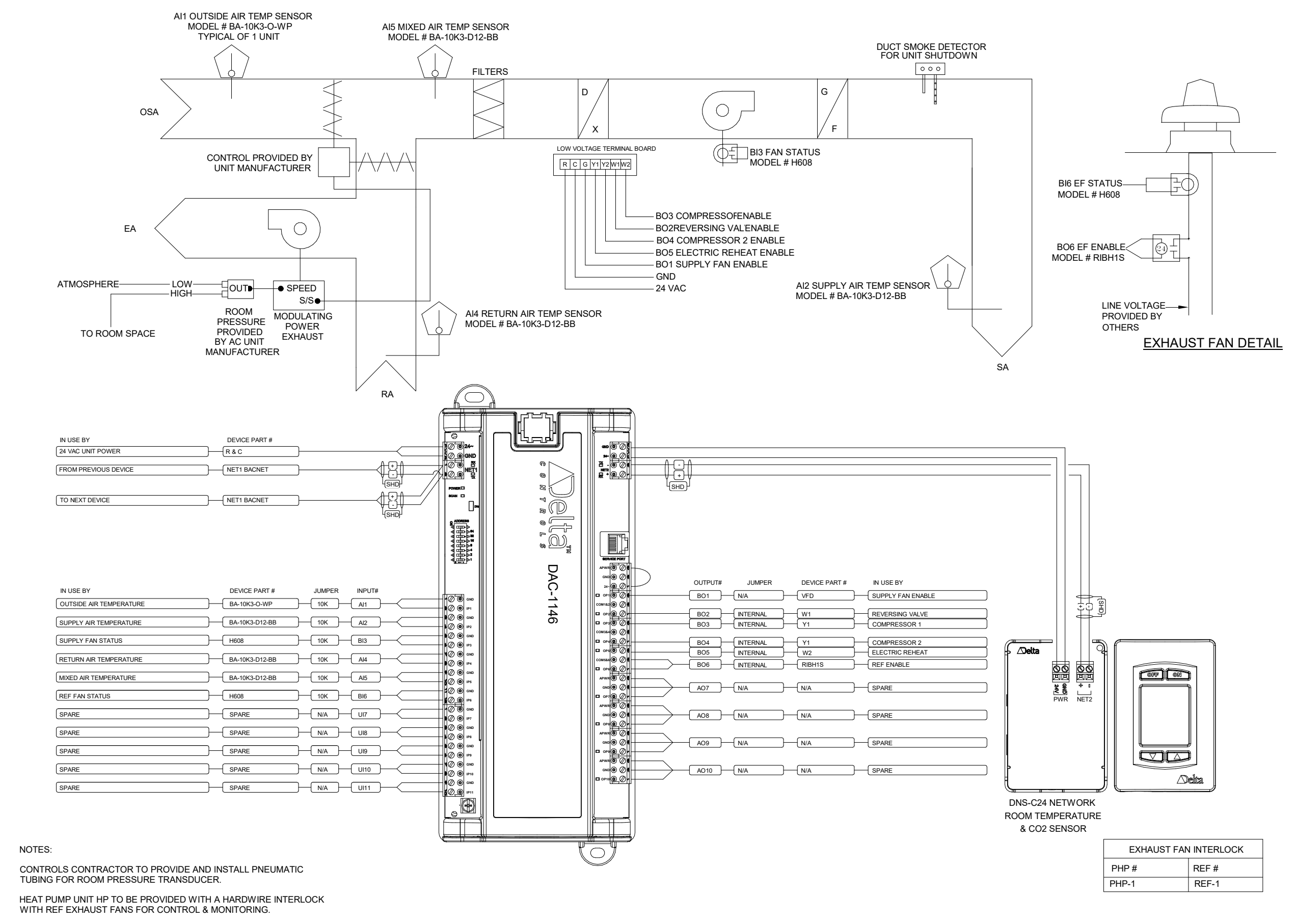
2 EXHAUST FAN SYSTEM CONTROLLER DIAGRAM
SCALE: NONE



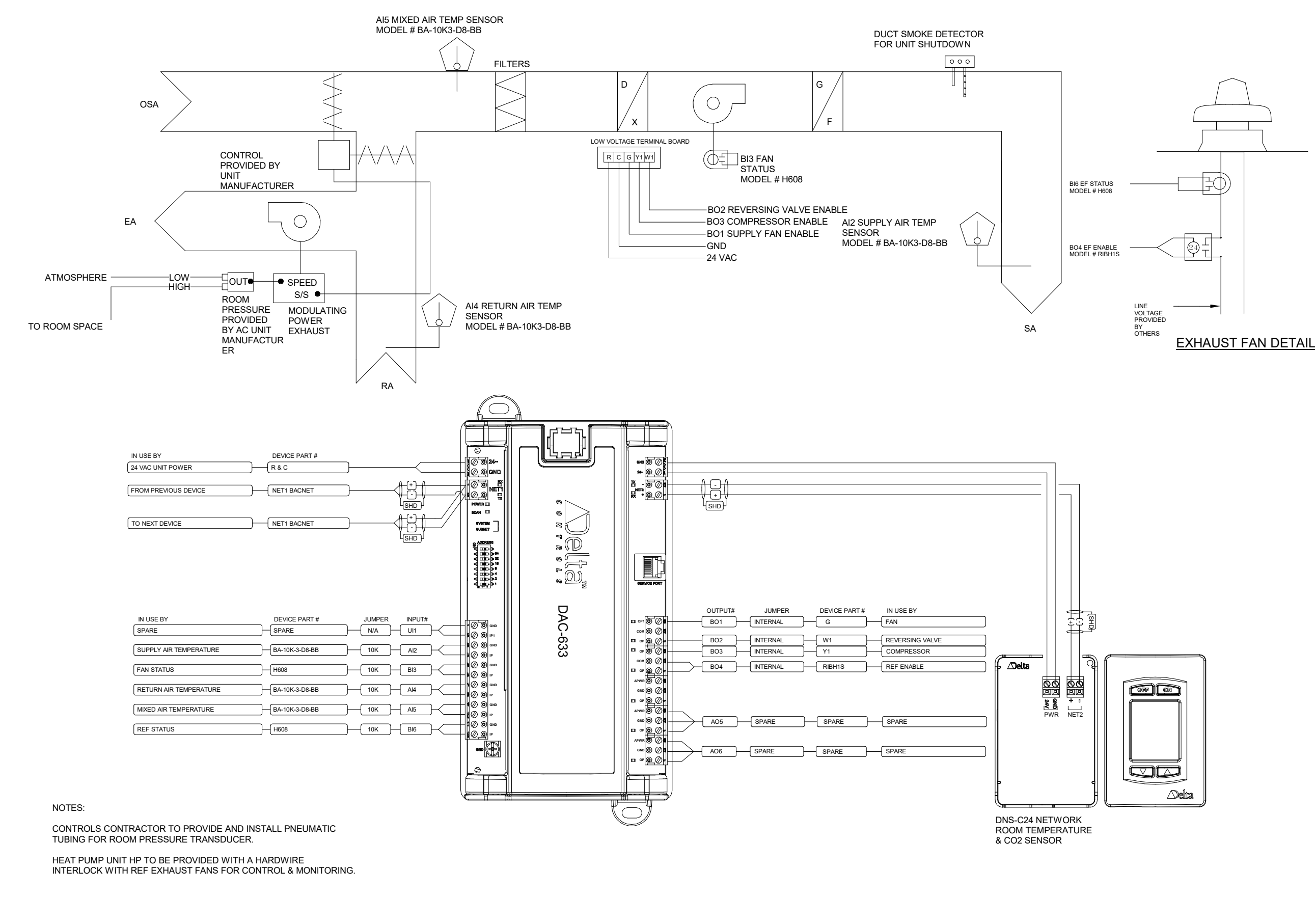
1 SYSTEM ARCHITECTURE
SCALE: NONE

SEQUENCE OF OPERATION

- BAS (BUILDING AUTOMATION SYSTEM) GENERAL**
1. THE BAS SHALL BE DELTA CONTROLS EXTENDED ARCHITECTURE. THE BAS SHALL BE CAPABLE OF INTEGRATING MULTIPLE BUILDING FUNCTIONS, INCLUDING EQUIPMENT SUPERVISION AND CONTROL, ALARM MANAGEMENT, ENERGY MANAGEMENT, AND TREND DATA COLLECTION.
- AIR CONDITIONING UNIT CONTROL WITH POWERED EXHAUST**
1. PHP UNITS WILL BE ENABLED/DISABLED BY THE DDC CONTROL SYSTEM ON A SCHEDULE AS DETERMINED BY THE OWNER. A DUCT SMOKE DETECTOR IN THE SUPPLY DUCT WILL STOP THE AC UNIT ON DETECTION OF PRODUCTS OF COMBUSTION.
 2. ECONOMIZER OPERATION: WHEN THE SPACE SENSOR CALLS FOR COOLING AND THE OUTSIDE AIR DRY BULB IS EQUAL TO OR LESS THAN THE SPACE TEMPERATURE THE ECONOMIZER DAMPERS SHALL MODULATE TO PROVIDE COOLING AS REQUIRED. IF THE SPACE COOLING DEMAND CANNOT BE SATISFIED WITH 100% OUTSIDE AIR, MECHANICAL COOLING SHALL BE ENABLED. IF THE OUTSIDE AIR TEMPERATURE REACHES THE SPACE TEMPERATURE, THE ECONOMIZER DAMPERS SHALL BE POSITIONED TO MINIMUM OUTSIDE AIR SETPOINT LISTED IN AC UNIT SCHEDULE.
 3. MODULATING POWER EXHAUST FAN SPEED SHALL BE CONTROLLED VIA STATIC PRESSURE SENSOR TO MAINTAIN ROOM STATIC PRESSURE OF +0.03 INCHES OF WATER COLUMN.
 4. DDC CONTROL SYSTEM SHALL MONITOR SUPPLY AIR TEMPERATURE, FAN STATUS, AND ECONOMIZER FAULT DETECTION.
- SPLIT SYSTEMS**
1. SPLIT SYSTEMS WILL BE ENABLED/DISABLED BY THE DDC CONTROL SYSTEM ON A SCHEDULE AS DETERMINED BY THE OWNER. THE MANUFACTURERS INTERNAL LOGIC WILL CONTROL THE STAGES OF HEATING AND COOLING TO MAINTAIN SPACE TEMPERATURE SET POINT.
 2. DDC CONTROL SYSTEM SHALL MONITOR SPACE TEMPERATURE AND FAN STATUS.
- EXHAUST FAN**
1. EXHAUST FAN WILL BE ENABLED/DISABLED BY THE DDC CONTROL SYSTEM ON A SCHEDULE AS DETERMINED BY THE OWNER.



4 PACKAGE 2 STAGE HEAT PUMP UNIT CONTROL DIAGRAM
SCALE: 1/8" = 1'-0"



3 PACKAGE HEAT PUMP UNIT CONTROL DIAGRAM
SCALE: 1/8" = 1'-0"

AGENCY APPROVAL:

DSA # 119574
FILE # 41-26

LP CONSULTING ENGINEERS
1209 Pleasant Grove Blvd.
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www.lpeengineers.com
Job #: 20-2125

REGISTERED PROFESSIONAL ENGINEER
JASON DEODAT
M 96861
REN. 12-31-21
MECHANICAL
STATE OF CALIFORNIA

HMC Architects
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3546 CONCOURS STREET
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DESCRIPTION	DATE
1 PRE-BID ADDENDUM	11.05.2021

FACILITY:

GEORGE HALL ELEMENTARY SCHOOL
SAN MATEO FORSTER CITY SCHOOL DISTRICT
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:

MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:

MECHANICAL CONTROLS

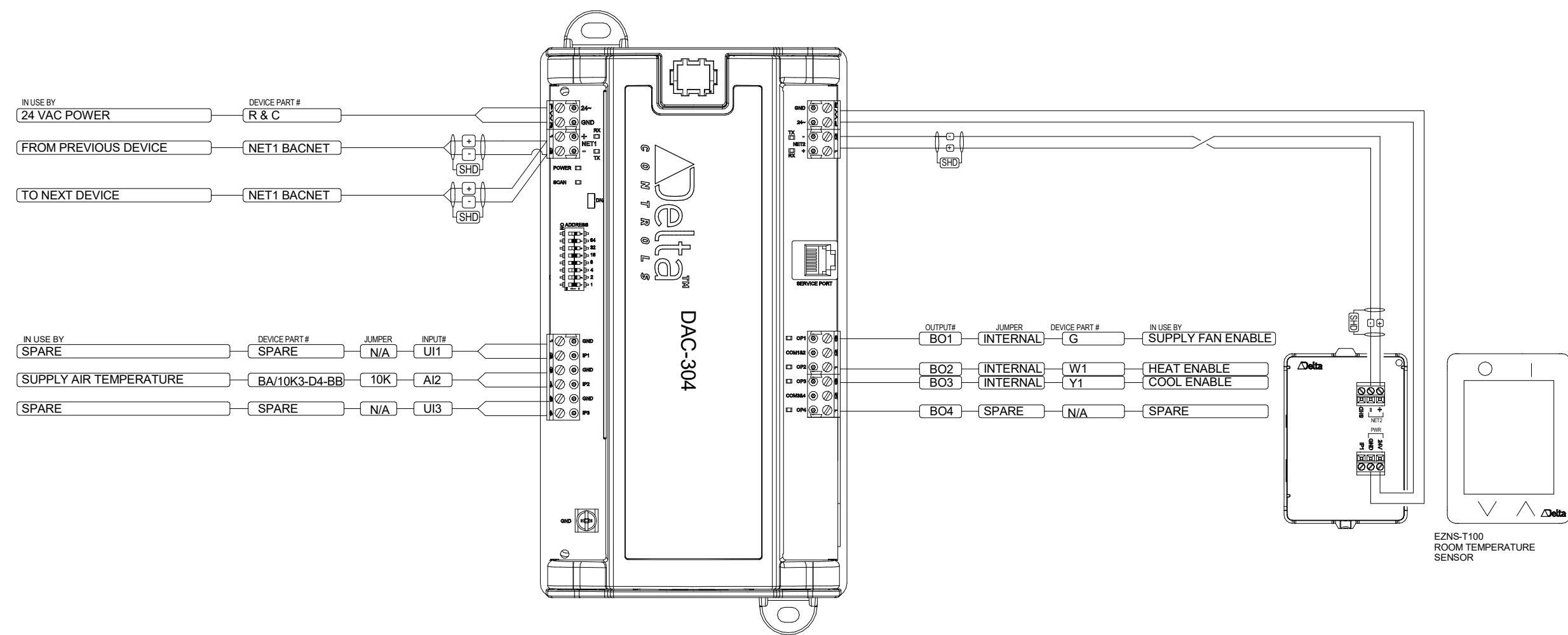
DATE: 10.04.2021
PROJ NO: 3542-004

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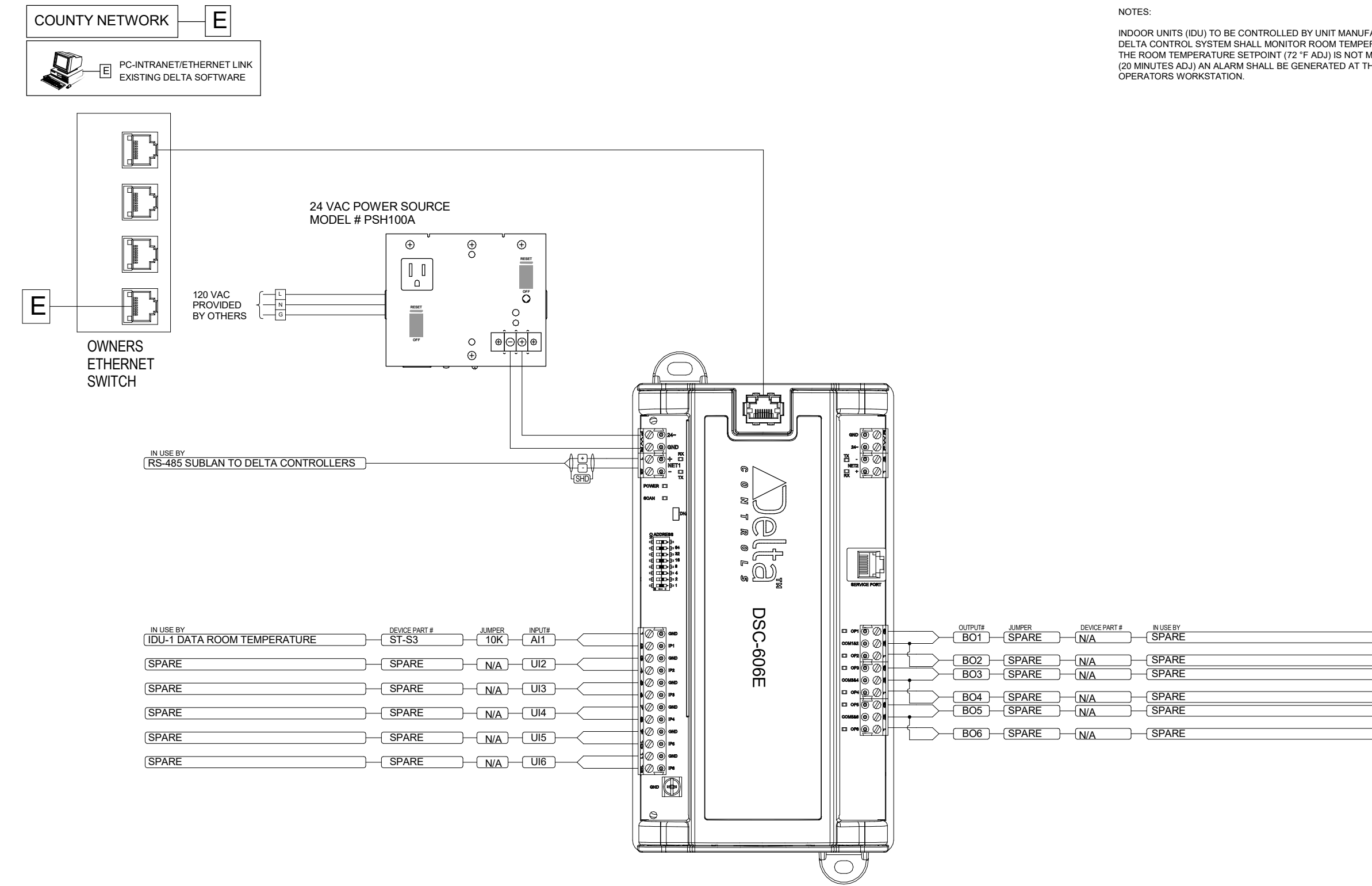
PLEASE RECYCLE

ALL LINES SHOWN ABOVE ARE THE EXACT SIZE AND LOCATION OF THE SHEET ORIGINAL PAGE SIZE



2 OFFICE/PE STORAGE A10 ROOM SYSTEM CONTROLS DIAGRAM
SCALE: 6" = 1'-0"

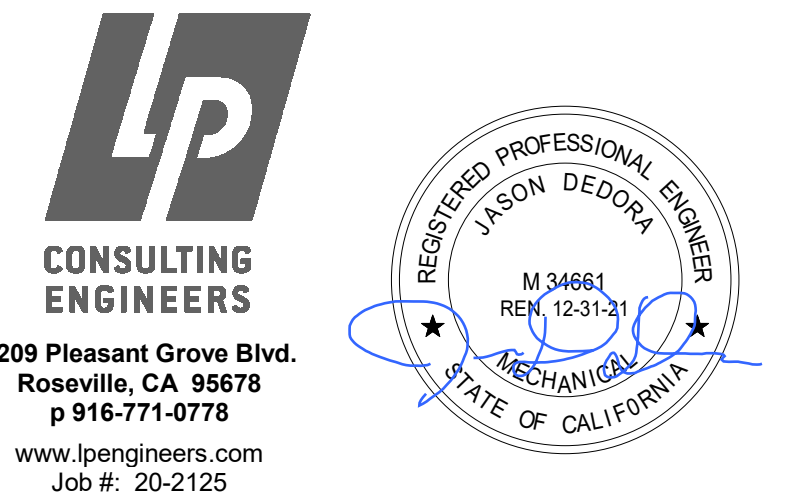
NOTES:
INDOOR UNITS (IUA) TO BE CONTROLLED BY UNIT MANUFACTURER. THE DELTA CONTROL SYSTEM SHALL MONITOR ROOM TEMPERATURE. IF THE ROOM TEMPERATURE SETPOINT (72°F ASU) IS NOT MET IN WITHIN 20 MINUTES A/C AN ALARM SHALL BE GENERATED AT THE OPERATOR'S WORKSTATION.
FAN COOL UNITS TO BE PROVIDED WITH A THERMOSTAT INTERFACE.



1 ELEC/IDF ROOM SYSTEM CONTROLS DIAGRAM
SCALE: NONE

NOTES:
INDOOR UNITS (IUA) TO BE CONTROLLED BY UNIT MANUFACTURER. THE DELTA CONTROL SYSTEM SHALL MONITOR ROOM TEMPERATURE. IF THE ROOM TEMPERATURE SETPOINT (72°F ASU) IS NOT MET IN WITHIN 20 MINUTES A/C AN ALARM SHALL BE GENERATED AT THE OPERATOR'S WORKSTATION.

AGENCY
APPROVAL:
DSA # 119574
FILE # 41-26



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DESCRIPTION	DATE
1 PRE-BID ADDENDUM	11.05.2021

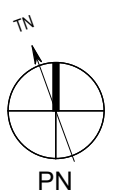
FACILITY:
GEORGE HALL ELEMENTARY SCHOOL
SAN MATEO FORSTER CITY SCHOOL DISTRICT
130 SAN MIGUEL WAY, SAN MATEO, CA 94403
PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
MECHANICAL CONTROLS

DATE: 11/18/21
PROJ NO: 3542-004
SHEET:

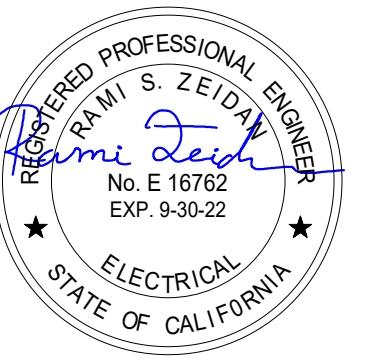
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**AGENCY
APPROVAL:**

DSA # 119574
FILE # 41-26



1209 Pleasant Grove Blvd.
Roseville, CA 95678
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www.lpengineers.com
Job #: 20-2125

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SAN JOSE, CA 95110
408 977 9160 / www.hmcarchitects.com

	DESCRIPTION	DATE
1	ADDENDUM 02	11/19/2021

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

FACILITY:

**GEORGE HALL ELEMENTARY SCHOOL
SAN MATEO FORSTER CITY SCHOOL DISTRICT
130 SAN MIGUEL WAY, SAN MATEO, CA 94403**

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
ELECTRICAL LIGHTING PLAN - 1ST FLOOR

DATE: 10.04.2021

PROJ NO: 3542-004


SHEET: _____

E3.01

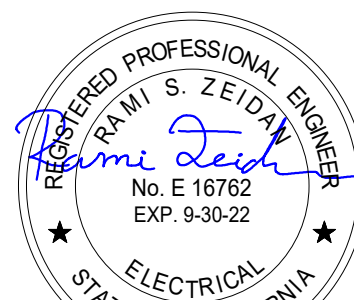
PLEASE RECYCLE 

AGENCY RECOMMENDATION:

DSA # 119574
FILE # 41-26


**CONSULTING
ENGINEERS**

1299 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
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Tel: # 916-771-0775



Branch Panel: DDP

Location: ELEC A15

Supply From: Mounting: Surface

Enclosure: Type 1

Volts: 480/277 Vye

Volts: 3

Wires: 4

A.I.C. Rating: 25,000

Main Type: MCB

Mains Rating: 400 A

MCB Rating: 400 A

Notes:

CKT	Load Name	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Name	CKT	
1	HM	200 A	3	27.376			29.206				3	175 A	X1	2
3	--	--	--		27.376			30.284		--	--	--	--	4
5	--	--	--			24.376			25.823	--	--	--	--	6
7	HL	100 A	3	2.344		1.026	0		0	--	--	SPACE		8
9	--	--	--				3.392		0	--	--	SPACE		10
11	--	--	--						0	--	--	SPACE		12
13	PHP-1	110 A	3	22.333			0		0	--	--	SPACE		14
15	--	--	--		22.333			0		--	--	SPACE		16
17	--	--	--			22.333			0	--	--	SPACE		18
19	SPACE	--	--	0			0			--	--	SPACE		20
21	SPACE	--	--		0			0		--	--	SPACE		22
23	SPACE	--	--			0			0	--	--	SPACE		24
25	SPACE	--	--	0			0			--	--	SPACE		26
27	SPACE	--	--		0			0		--	--	SPACE		28
29	SPACE	--	--			0			0	--	--	SPACE		30
31	SPACE	--	--	0			0			--	--	SPACE		32
33	SPACE	--	--		0				0	--	--	SPACE		34
35	SPACE	--	--			0			0	--	--	SPACE		36
37	SPACE	--	--	0			0			--	--	SPACE		38
39	SPACE	--	--		0			0		--	--	SPACE		40
41	SPACE	--	--			0			0	--	--	SPACE		42
Total Load:				81,195 VA	81,018 VA				75,802 VA					
Total Amps:				296 A	295 A				274 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment - Non-Dwelling Unit	47712 VA	65.00%	31013 VA	
LTG	6740 VA	125.00%	8425 VA	Total Conn. Load: 238,013 VA
Motor	142537 VA	111.75%	159277 VA	Total Est. Demand: 239,708 VA
Other	1000 VA	100.00%	1000 VA	Total Conn. Current: 296 A
Power	19756 VA	100.00%	19756 VA	Total Est. Demand Current: 288 A
RECEPT	20445 VA	100.00%	20445 VA	

Notes:

SWITCHBOARD: INV			
VOLTAGE: 277 Single		A.I.C. RATING: 10 KAIC	
AMPERE RATING: 20 A		BUSSING: 20 A	
MAIN TYPE: MCB		ENCLOSURE TYPE: Type 1	
MOUNTING: Surface			

CKT	LOAD DESCRIPTION	OPD TRIP	Load	REMARKS
1	LTG. BLDG EM	20 A	957	
2	LTG. EXTERIOR EM	20 A	575	
3	LTG. SITE EM	20 A	185	
4	SPARE	20 A	0	
5	SPARE	20 A	0	
Total Conn. Load:			1,715 VA	
Total Est. Current:			6 A	

NOTES:

Branch Panel: HM

Location: ELEC A15

Supply From: HDP

Mounting: Surface

Enclosure: Type 1

Volts: 480/277 Wye

Phases: 3

Wires: 4

A.I.C Rating: 25,000

Mains Type: MLO

Mains Rating: 225 A

Notes:

CKT	Load Name	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Name	CKT
1	PHP-1 EXHAUST	20 A	3	2,500			6,000			3	30 A	WH-1	2
3	--	--	--		2,500			6,000	--	--	--	--	4
5	--	--	--			2,500			6,000	--	--	--	6
7	PHP-2	20 A	3	4,515			3,000			2	20 A	WH-2	8
9	--	--	--		4,515			3,000	--	--	--	--	10
11	--	--	--			4,515			0	1	20 A	SPARE	12
13	PHP-2 - EXHAUST	15 A	3	1,108			0			3	20 A	SPARE	14
15	--	--	--		1,108			0	--	--	--	--	16
17	--	--	--			1,108			0	--	--	--	18
19	PHP-3	35 A	3	7,478			0			3	20 A	SPARE	20
21	--	--	--		7,478			0	--	--	--	--	22
23	--	--	--			7,478			0	--	--	--	24
25	PHP-3 EXHAUST	15 A	3	1,108			0			--	--	SPACE	26
27	--	--	--		1,108			0	--	--	--	SPACE	28
29	--	--	--			1,108			0	--	--	SPACE	30
31	Motor FRA09	20 A	3	1,667			0			--	--	SPACE	32
33	--	--	--		1,667			0	--	--	--	SPACE	34
35	--	--	--			1,667			0	--	--	SPACE	36
37	SPACE	--	--	0			0			--	--	SPACE	38
39	SPACE	--	--	0			0			--	--	SPACE	40
41	SPACE	--	--			0				--	--	SPACE	42
Total Load:				27,376 VA		27,376 VA		24,376 VA					
Total Amps:				100 A		100 A		88 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	73127 VA	107.67%	78736 VA	Total Conn. Load: 79,127 VA Total Est. Demand: 84,736 VA Total Conn. Current: 95 A Total Est. Demand Current: 102 A
Power	6000 VA	100.00%	6000 VA	

Notes:

HMC Architects

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SAN JOSE, CA 95110
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DESCRIPTION	DATE
1 ADDENDUM 02	11/19/2021

FACILITY:

**GEORGE HALL ELEMENTARY SCHOOL
SAN MATEO FORSTER CITY SCHOOL DISTRICT
130 SAN MIGUEL WAY, SAN MATEO, CA 94403**

PROJECT:

MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
ELECTRICAL SCHEDULES

DATE: 10.04.2021	PROJ NO: 3542-004
------------------	-------------------

SHEET:

Project Name:	George Hall ES MPR	NRCC-PRF-01-E	Page 3 of 19
Project Address:	130 San Miguel Way San Mateo 94403	Calculation Date/Time:	08:41, Thu, Nov 04, 2021
Input File Name:	George Hall ES T24.cbd19x		

C3. ENERGY USE SUMMARY						
Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	--	1.0	--	9.8	--	--
Space Cooling	8.9	5.9	3.0	--	--	--
Indoor Fans	24.7	23.1	1.6	--	--	--
Heat Rejection	--	--	--	--	--	--
Pumps & Misc.	--	--	--	--	--	--
Domestic Hot Water	1.0	3.0	-2.0	9.7	--	--
Indoor Lighting	24.0	17.8	6.2	--	--	--
Compliance Total	58.6	50.8	7.8	19.5	0.0	--
Receptacle	31.2	31.2	0.0	53.4	53.4	0.0
Process	5.7	5.7	0.0	--	--	--
Other Ltg	0.2	0.2	0.0	--	--	--
Process Motors	--	--	--	--	--	--
TOTAL	95.7	87.9	7.8	72.9	53.4	19.5

D. EXCEPTIONAL CONDITIONS

The general lighting exceptional method is employed for one or more spaces. Verify that the lighting allowances match the lighting installed on the plans and serve the areas within each space as identified in the compliance model.

This project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required.

E. HERS VERIFICATION

This Section Does Not Apply

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-09022021-6384 Report Generated at: 2021-11-04 08:41:54

Project Name:	George Hall ES MPR	NRCC-PRF-01-E	Page 6 of 19
Project Address:	130 San Miguel Way San Mateo 94403	Calculation Date/Time:	08:41, Thu, Nov 04, 2021
Input File Name:	George Hall ES T24.cbd19x		

G5. FENESTRATION ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9
Fenestration Assembly Name / or I.D.	Fenestration Type / Product Type / Frame Type	Certification Method ¹	Assembly Method	Area ft ²	Overall U-factor	Overall SHGC	Overall VT	Status ²
PPG SOLARBAN 70 XL Clear	VerticalFenestration FixedWindow N/A	NFRC Rated	SiteBuilt	1368	0.24	0.27	0.64	N

¹ Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix H4d and are used in the analysis.

² Status: N - New, A - Altered, E - Existing

H1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers etc.)

1	2	3	4	5	6	7	8	9	10	11	12
Equipment Name	Equipment Type	Qty	Heating			Cooling			Economizer Type (if present)	Status ²	
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency		
PHP-1	SZHP (Packaged3Phase)	1	170	123	COP	3.50	213	EER	10.6	FixedDryBulb	N
PHP-2	SZHP (Packaged3Phase)	1	33	20	HSFP	8.00	40	SEER	16.50	FixedDryBulb	N
PHP-3	SZHP (Packaged3Phase)	1	58	31	COP	3.50	65	EER	12.1	FixedDryBulb	N
FC/HP-1	SZHP (Split3Phase)	1	13	4	HSFP	11.00	9	SEER	18.80	NoEconomizer	N
FC/HP-2	SZHP (Split3Phase)	1	29	7	HSFP	11.20	23	SEER	18.00	NoEconomizer	N

² Status: N - New, A - Altered, E - Existing

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Multifamily or Hotel/Motel Occupancy? (If "Yes", see DOMESTIC/SERVICE HOT WATER SYSTEM SUMMARY)

Does the Project include Zonal Systems?

H7. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

1	2	3	4	5	6	7	8	9	10	11	12
System ID	Zone Name	System Type	Rated Capacity (kBtu/h)		Airflow (cfm)			Fan			
			Heating	Cooling	Design	Min.	Min. Ratio	BHP	Watts	Cycles	ECM Motor
1-Multipurpose-Trm	1-Multipurpose	Uncontrolled	NA	NA	8000	NA	0.00	NA	NA	NA	<input type="checkbox"/>
2-Kitchen-Trm	2-Kitchen	Uncontrolled	NA	NA	1600	NA	0.00	NA	NA	NA	<input type="checkbox"/>
3-Classroom-Trm	3-Classroom	Uncontrolled	NA	NA	2400	NA	0.00	NA	NA	NA	<input type="checkbox"/>
4-Kitchenette-Trm	4-Kitchenette	Uncontrolled	NA	NA	240	NA	0.00	NA	NA	NA	<input type="checkbox"/>
6-Office > 250sqft-Trm	6-Office > 250sqft	Uncontrolled	NA	NA	640	NA	0.00	NA	NA	NA	<input type="checkbox"/>

H8. EVAPORATIVE COOLER SUMMARY

This Section Does Not Apply

I1. WATER HEATER EQUIPMENT SUMMARY

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Name	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input	Rated Input Unit	Efficiency	Efficiency Unit	Tank Insulation R-value (In/Ext)	Standby Loss Fraction	Heat Pump Type	1st Hour Rating or Flow Rate (gal)	14 Location or Ambient Condition
AO Smith DEL-80-182	Electricity	Storage	1	80.00	18.0	kW	0.98	ThrmI. Eff.	NA	0.010	NA	80	NA

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C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft²-yr)

COMPLIES			
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹
Space Heating	5.75	3.52	2.23
Space Cooling	55.13	42.85	12.28
Indoor Fans	111.49	96.85	14.64
Heat Rejection	--	--	--
Pumps & Misc.	--	--	--
Domestic Hot Water	9.25	11.86	-2.61
Indoor Lighting	104.01	77.25	26.76
ENERGY STANDARDS COMPLIANCE TOTAL	285.63	232.33	53.30 (18.7%)

¹ Notes: The number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS¹

<input type="checkbox"/> This project is pursuing CalGreen Tier 1			
<input type="checkbox"/> This project is pursuing CalGreen Tier 2			
Miscellaneous Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹
Receptacle	164.16	164.16	--
Process	22.64	22.64	--
Other Ltg	0.88	0.88	--
Process Motors	--	--	--
COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS	473.31	420.01	53.3 (11.3%)

¹ Notes: This table is used to document compliance with programs OTHER THAN Title 24 Part 6, if applicable.

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G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9	10
Surface Name	Surface Type	Area (ft ²)	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	Status ²
R-30 Roof No Attic Metal35	Roof	3509	Metal	30	8	U-Factor	0.040	Single Ply Roofing - 1/4 in. Vapor permeable felt - 1/8 in. Extruded Polystyrene - XPS - 1 1/2 in. R-7.50 Plywood - 1/2 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more. Metal framed roof. 24in. OC, 11.25in., R-30 Gypsum Board - 1/2 in.	N
R-19 Wall38	ExteriorWall	3769	Wood	19	NA	U-Factor	0.072	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Wood framed wall, 16in. OC, 5.5in., R-19 Gypsum Board - 1/2 in.	N
R-30 Roof No Attic43	Roof	3525	Wood	30	8	U-Factor	0.026	Single Ply Roofing - 1/4 in. Vapor permeable felt - 1/8 in. Extruded Polystyrene - XPS - 1 1/2 in. R-7.50 Plywood - 1/2 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more. Wood framed roof. 48in. OC, 11.25in., R-30 Gypsum Board - 1/2 in.	N

² Status: N - New, A - Altered, E - Existing

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H5. SYSTEM SPECIAL FEATURES

1	2	3	4	5	6
System Name	Optimum Start	Window Interlocks per §140.4(n)	Evaporative Cooling	Heat Recovery	Other Controls
PHP-2	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC Fixed Drybulb Economizer No Supply Air Temp. Control
PHP-3	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	1 Zones With CO2Sensor Vent. Control, No DDC Fixed Drybulb Economizer No Supply Air Temp. Control
FC/HP-1	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
FC/HP-2	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
Undefined Plant1 - SHW	NA	NA	NA	NA	Fixed Temperature Control, No DDC

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-6.

H6. MECHANICAL VENTILATION

1	2	3	4	5	6	7	8	9
Zone Name	Mechanical Ventilation			# of bedrooms	Supply OA CFM	Exhaust CFM	Conditioned Area (sf)	DCV or Occupant Sensor Controls, or both
	Ventilation Function	# hotel rooms	# of people					
1-Multipurpose	Education - Multituse assembly	0	145.67	0	2185	0	4370	NA
2-Kitchen	Food Service - Kitchen (cooking)	0	1.60	0	96	750	642	NA
3-Classroom	Education - Classrooms (ages 9-18)	0	37.62	0	564	0	1505	NA
4-Kitchenette	Misc - All others	0	4.13	0	19	90	124	NA
6-Office > 250sqft	Office - Office space	0	1.32	0	40	0	265	NA

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A. GENERAL INFORMATION

1 Project Location (city)	San Mateo	8 Standards Version	Compliance2019
2 CA Zip Code	94403	9 Compliance Software (version)	EnergyPro 8.2
3 Climate Zone	3	10 Weather File	SAN-CARLOS_724938_CZ2010.epw
4 Total Conditioned Floor Area in Scope	6,906 ft ²	11 Building Orientation (deg)	(N) 0 deg
5 Total Unconditioned Floor Area	152 ft ²	12 Permitted Scope of Work	NewComplete
6 Total # of Stories (Habitable Above Grade)	1	13 Building Type(s)	Nonresidential
7 Total # of dwelling units	0	14 Gas Type	Propane

B. PROJECT SUMMARY

Table Instructions: Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within permit application.

Building Components Complying via Performance		Building Components Complying Prescriptively	
Envelope (see Table G)	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Not Included	Covered Process: Commercial Kitchens	<input type="checkbox"/> Performance <input type="checkbox"/> Not Included
Mechanical (see Table H)	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Not Included	Covered Process: Computer Rooms	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Not Included
Domestic Hot Water (see Table I)	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Not Included	Covered Process: Laboratory Exhaust	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Not Included
Lighting (Indoor Conditioned, see Table K)	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Not Included	Mandatory Measures	
Solar Thermal Water Heating (see Table I)	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Not Included	Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should be on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E)	
		Electrical Power Distribution §110.11	
		Commissioning §120.8	
		Solar Ready §110.10	

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G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

1	2	3	4
Opaque Surfaces & Orientation	Total Gross Surface Area (ft ²)	Total Fenestration Area (ft ²)	Window to Wall Ratio (%)
North-Facing ¹	1,996 ft ²	990 ft ²	49.6%
East-Facing ¹	1,424 ft ²	36 ft ²	02.5%
South-Facing ¹	1,074 ft ²	65 ft ²	06.0%
West-Facing ¹	1,812 ft ²	277 ft ²	15.3%
Total	6,306 ft ²	1,368 ft ²	21.7%
Roof	6,882 ft ²	0 ft ²	00.0%

Notes:
¹ North-Facing is oriented to within 45 degrees of true north, including 45°00'00" east of north (NE), but excluding 45°00'00" west of north (NW).
² East-Facing is oriented to within 45 degrees of true east, including 45°00'00" south of east (SE), but excluding 45°00'00" north of east (NE).
³ South-Facing is oriented to within 45 degrees of true south, including 45°00'00" west of south (SW), but excluding 45°00'00" east of south (SE).
⁴ West-Facing is oriented to within 45 degrees of true west, including 45°00'00" north of due west (NW), but excluding 45°00'00" south of west (SW).

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9	10
Surface Name	Surface Type	Area (ft ²)	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	Status ²
Slab On Grade22	UndergroundFloor	7058	NA	0	NA	F-Factor	0.73	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0	N
R-19 Wall 924	ExteriorWall	3002	Wood	19	NA	U-Factor	0.063	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Wood framed wall, 24in. OC, 7.25in., R-19 Gypsum Board - 1/2 in.	N

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H2. FAN SYSTEMS SUMMARY¹

1	2	3	4	5	6	7	8	9	10	11	12	13
	System Type	Design OA	Supply Fan				Return Fan					
Name or Item Tag	packaged, DDAS, etc.	CFM	CFM	BHP	Watts	Control	CFM	BHP	Watts	Control	Economizer Type (if present)	Source
PHP-1	SZHP	2185	8000	2.000	1666.1	ConstantVolume	NA	NA	NA	NA	FixedDryBulb	N
PHP-2	SZHP	96	1600	0.750	654.0	ConstantVolume	NA	NA	NA	NA	FixedDryBulb	N
PHP-3	SZHP	564	2400	1.250	1077.5	ConstantVolume	NA	NA	NA	NA	FixedDryBulb	N
FC/HP-1	SZHP	19	240	0.100	87.2	ConstantVolume	NA	NA	NA	NA	NotEconomizer	N
FC/HP-2	SZHP	40	640	0.100	87.2	ConstantVolume	NA	NA	NA	NA	NotEconomizer	N

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K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS								
Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A)								
1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaires	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	L	1680.0	1	1680	168
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	C	232.0	8	232	23
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	CE	58.0	2	58	6
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	B	36.0	1	36	4
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	BE	72.0	2	72	7
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	E2	22.0	1	22	2

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K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS								
Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A)								
1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaires	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
S-3-Classroom	Classroom, Lecture, Training, Vocational Areas	NA	0.00 0.00 0.00 0.00	BE	72.0	2	72	0
S-3-Classroom	Classroom, Lecture, Training, Vocational Areas	NA	0.00 0.00 0.00 0.00	B	144.0	4	144	0
S-3-Classroom	Classroom, Lecture, Training, Vocational Areas	NA	0.00 0.00 0.00 0.00	B	144.0	4	144	0
S-4-Kitchenette	Lounge, Breakroom, or Waiting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	C	87.0	3	87	9
S-4-Kitchenette	Lounge, Breakroom, or Waiting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	CE	29.0	1	29	3
S-6-Office > 250sqft	Office Area (>250 square feet)	NA	0.00 0.00 0.00 0.00	C	174.0	6	174	0

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M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	
Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/	
Building Component	Form/Title
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls
Covered Process	NRCA-PRC-02-F - Kitchen Exhaust
Mechanical	NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
	NRCA-MCH-03-A Constant Volume Single Zone HVAC
	NRCA-MCH-05-A Air Economizer Controls
	NRCA-MCH-06-A Demand Control Ventilation Systems Acceptance must be submitted for all systems required to employ demand controlled ventilation (refer to §120.1(c)(3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints
	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units
	NRCA-MCH-20 Multifamily Ventilation

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K2. INDOOR CONDITIONED LIGHTING SCHEDULE					
Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft ² in offices)					
1	2	3	4	5	6
Name or Item Tag	Complete Luminaire Description (i.e., 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per luminaire	How Wattage is Determined	Total Number Luminaires	Installed Watts
B	B	36	CEC Default from NA8	27	972
BE	BE	36	CEC Default from NA8	10	360
C	C	29	CEC Default from NA8	17	493
CE	CE	29	CEC Default from NA8	3	87
D	D	22	CEC Default from NA8	6	132
E1	E1	44	CEC Default from NA8	2	88
E2	E2	22	CEC Default from NA8	1	22
L	L	1680	CEC Default from NA8	1	1,680
P	P	75	CEC Default from NA8	20	1,500
PE	PE	75	CEC Default from NA8	5	375

K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS								
Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A)								
1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaires	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	P	1500.0	20	1500	150
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	PE	375.0	5	375	37

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K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS								
Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A)								
1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaires	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
			0.00 0.00 0.00 0.00					
S-2-Kitchen	Kitchen/Food Preparation Area	NA	0.00 0.00 0.00 0.00	BE	72.0	2	72	0
S-2-Kitchen	Kitchen/Food Preparation Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	B	72.0	2	72	7
S-2-Kitchen	Kitchen/Food Preparation Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	BE	72.0	2	72	7
S-3-Classroom	Classroom, Lecture, Training, Vocational Areas	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	B	180.0	5	180	18
S-3-Classroom	Classroom, Lecture, Training, Vocational Areas	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	BE	36.0	1	36	4
S-3-Classroom	Classroom, Lecture, Training, Vocational Areas	NA	0.00 0.00 0.00 0.00	B	216.0	6	216	0

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Project Address:	130 San Miguel Way San Mateo 94403	Calculation Date/Time:	08:41, Thu, Nov 04, 2021
Input File Name:	George Hall ES T24.cbd19x		

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION	
Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/	
Building Component	Form/Title
Envelope	NRCC-ENV-01-E - Must be submitted for all buildings
Mechanical	NRCC-MCH-01-E - Must be submitted for all buildings
Plumbing	NRCC-PLB-01-E - Must be submitted for all buildings
Indoor Lighting	NRCC-LTI-01-E - Must be submitted for all buildings
	NRCC-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance
Covered Process	NRCC-PRC-01-E - Must be submitted for all Covered Processes

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-09022021-6384 Report Generated at: 2021-11-04 08:41:54

Project Name:	George Hall ES MPR	NRCC-PRF-01-E	Page 10 of 19
Project Address:	130 San Miguel Way San Mateo 94403	Calculation Date/Time:	08:41, Thu, Nov 04, 2021
Input File Name:	George Hall ES T24.cbd19x		

I2. COMMERCIAL KITCHENS				
1	2	3	4	5
Space Name	Exhaust Hood Style	Exhaust Hood Duty	Exhaust Length (ft)	Exhaust Flow Rate (cfm)
S-2-Kitchen	WallMountedCanopy	Light	5	750
	None	Light		
		Light		
		Light		

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO					
1	2	3	4	5	6
Occupancy Type ¹	Conditioned Floor Area ² (ft ²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance Area Category Footnotes (Watts)	Tailored Method (Watts)
Convention, Conference, Multipurpose and Meeting Area	4,370	4,339	434	1311	0
Kitchen/Food Preparation Area	642	288	14	0	0
Classroom, Lecture, Training, Vocational Areas	1,505	792	22	0	0
Lounge, Breakroom, or Waiting Area	124	116	12	0	0
Office Area (>250 square feet)	265	174	0	0	0
Building Totals:	6,906	5,709	482	1311	0

¹ See Table 140.6-C

² See NRCC-010-01-E for unconditioned spaces

³ Lighting information for existing spaces modeled is not included in the table

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Input File Name:	George Hall ES T24.cbd19x		

K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS								
Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A)								
1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaires	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	B	108.0	3	108	11
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	BE	36.0	1	36	4
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	D	44.0	2	44	4
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	D	44.0	2	44	4
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	D	44.0	2	44	4
S-1-Multipurpose	Convention, Conference, Multipurpose and Meeting Area	DaylightDimmingPlusOff- none specified -- none specified -- none specified -- none specified -	0.10 0.00 0.00 0.00	E1	88.0	2	88	9
S-2-Kitchen	Kitchen/Food Preparation Area	NA	0.00 0.00 0.00 0.00	B	72.0	2	72	0

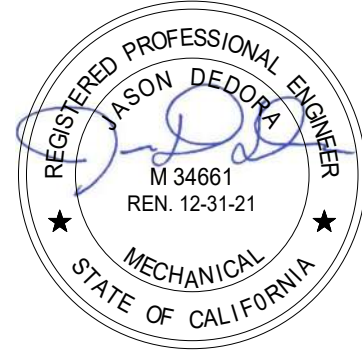
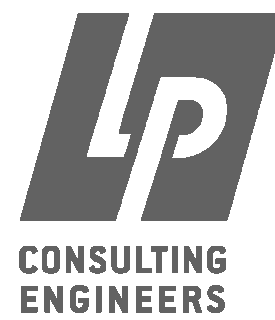
CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-09022021-6384 Report Generated at: 2021-11-04 08:41:54

Project Name:	George Hall ES MPR	NRCC-PRF-01-E	Page 16 of 19
Project Address:	130 San Miguel Way San Mateo 94403	Calculation Date/Time:	08:41, Thu, Nov 04, 2021
Input File Name:	George Hall ES T24.cbd19x		

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS						
Building Level Controls						
1			2			
Mandatory Demand Response §110.12(c)			Shut-Off Controls §130.1(c)			
Required			Required			
Area Level Controls (includes all lighting controls installed in conditioned space to meet mandatory requirements per §130.1)						
4	5	6	7	8	9	10
Area Description	Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary Daylighting §130.1(d)	Secondary Daylighting §140.5(d)

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-09022021-6384 Report Generated at: 2021-11-04 08:41:54

AGENCY APPROVAL:
DSA # 119574
FILE # 41-26



HMC Architects

3542004-000

333 WEST SAN CARLOS STREET, STUDIO 750
SAN JOSE, CA 95110
408 977 9160 / www.hmcarchitects.com

DESCRIPTION DATE
1 ADDENDUM 02 11/19/2021

FACILITY:

GEORGE HALL ELEMENTARY SCHOOL
SAN MATEO FORSTER CITY SCHOOL DISTRICT
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
TITLE 24 COMPLIANCE

DATE: 10.04.2021 PROJ NO: 3542-004

SHEET:

T24.2

PLEASE RECYCLE

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

NRCC-LTO-E

CERTIFICATE OF COMPLIANCE

Project Name: George Hall ES MPR

Report Page: NRCC-LTO-E (Page 2 of 7)

Project Address: 130 San Miguel Way

Date Prepared: 6/10/2021

C. COMPLIANCE RESULTS									
Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.									
Calculations of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)(2)									
01	02	03	04	05	06	07	08	09	
General Hardscape Allowance §140.7(d)(1) (See Table I)	+	Per Application §140.7(d)(2) (See Table J)	+	Sales Frontage §140.7(d)(2) (See Table K)	+	Ornamental §140.7(d)(2) (See Table L)	+	Per Specific Area §140.7(d)(2) (See Table M)	OR Existing Power Allowance §141.0(b)(2) (See Table N)
731.25	+	---	+	---	+	---	+	---	=
Cutoff Compliance (See Table G for Details)									
Controls Compliance (See Table H for Details)									
N/A									
COMPLIES									

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003

Schema Version: rev 20200601

Report Generated: 2021-06-10 15:13:22

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

NRCC-LTO-E

CERTIFICATE OF COMPLIANCE

Project Name: George Hall ES MPR

Report Page: NRCC-LTO-E (Page 5 of 7)

Project Address: 130 San Miguel Way

Date Prepared: 6/10/2021

I. LIGHTING POWER ALLOWANCE (per §140.7)									
This table includes areas using allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-5, while "Use it or lose it" Allowances are per Table 140.7-6. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.									
Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 0, 1 & 4)									
This section does not apply to this project.									
Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)									
02	03	04	05	06	07	08	9	10	
Area Description	Surface Type	Area Wattage Allowance (AWA)			Area Wattage Allowance (AWA)			Total General AWA + LWA (Watts)	
		Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (ft)	Allowed Density (W/ft)	Linear Allowance (Watts)		
Exterior Ltg	Asphalt	6250	0.03	156.25	900	0.4	225	381.25	
Initial Wattage Allowance for Entire Site (Watts):								350	
Total General Hardscape Allowance (Watts):								731.25	

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

NRCC-LTO-E

CERTIFICATE OF COMPLIANCE

Project Name: George Hall ES MPR

Report Page: NRCC-LTO-E (Page 1 of 7)

Project Address: 130 San Miguel Way

Date Prepared: 6/10/2021

A. GENERAL INFORMATION					
01	Project Location (city)	San Mateo		04	Total Illuminated Hardscape Area (ft²)
02	Climate Zone	3			6250
03	Outdoor Lighting Zone per Title 24 Part 3 §10.11.6 or as designated by Authority Having Jurisdiction (AHJ):				
<input type="checkbox"/>	LZ-0: Very Low - Undeveloped Parkland		<input type="checkbox"/>	LZ-2: Moderate - Rural Areas	
<input type="checkbox"/>	LZ-1: Low - Developed Parkland		<input checked="" type="checkbox"/>	LZ-3: Moderately High - Urban Areas	
<input type="checkbox"/>			<input type="checkbox"/>	LZ-4: High - Must be reviewed by CA Energy Commission for Approval	

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2), for alterations.

My Project Consists of:

01	02	
<input checked="" type="checkbox"/> New Lighting System	Must Comply with Allowances from §140.7	
<input type="checkbox"/> Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? <input type="radio"/> Yes <input type="radio"/> No	
03	04	05
% of Existing Luminaires Being Altered¹	Sum Total of Luminaires Being Added or Altered	Calculation Method
<input type="checkbox"/> < 10% <input type="checkbox"/> >= 10% and < 50% <input type="checkbox"/> >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

NRCC-LTO-E

CERTIFICATE OF COMPLIANCE

Project Name: George Hall ES MPR

Report Page: NRCC-LTO-E (Page 4 of 7)

Project Address: 130 San Miguel Way

Date Prepared: 6/10/2021

H. OUTDOOR LIGHTING CONTROLS				
This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application. When an option having a " " is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.				
Mandatory Controls				
01	02	03	04	05
Area Description	Shut-Off §130.2(c)(1)	Auto-Schedule §130.2(c)(2)	Motion Sensor §130.2(c)(3)	Field Inspector
				Pass Fail
* NOTES: Controls with a " " require a note in the space below explaining how compliance is achieved. EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c)				

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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Schema Version: rev 20200601

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STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

NRCC-LTO-E

CERTIFICATE OF COMPLIANCE

Project Name: George Hall ES MPR

Report Page: NRCC-LTO-E (Page 7 of 7)

Project Address: 130 San Miguel Way

Date Prepared: 6/10/2021

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Samuel Bogen

Company: LP Consulting Engineers, Inc.

Address: 1209 Pleasant Grove Blvd

City/State/Zip: Roseville CA 95678

Signature Date: 2021-06-10

CEA/HERS Certification Identification (if applicable):

Phone: 916.771.0778

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Rami S. Zeidan

Responsible Designer Signature: Rami S. Zeidan

Company: LP Consulting Engineers

Address: 1209 Pleasant Grove Blvd

City/State/Zip: Roseville CA 95678

Date Signed: 2021-06-10

License: E16762

Phone: 916.771.0778

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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Project Address: 130 San Miguel Way San Mateo 94403

Input File Name: George Hall ES T24.ctb019n

NRCC-PRI-01-E

Page 19 of 19

Calculation Date/Time: 08:41, Thu, Nov 04, 2021

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Samuel Bogen

Company: LP Consulting Engineers, Inc.

Address: 1209 Pleasant Grove Blvd

City/State/Zip: Roseville CA 95678

Phone: 916.771.2916

Signature: Samuel Bogen

Signature Date: 2021-11-04

CEA/HERS Certification Identification (if applicable):

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Envelope Designer Name: Judy Krall

Company: HMC Architects

Address: 333 W. San Carlos St. Ste 750

City/State/Zip: San Jose, CA 95110

Phone: 408-977-9160

Signature: Judy Krall

Date Signed: 11.012.2021

Title: Architect

License #: C-30964

Responsible Lighting Designer Name: Rami S. Zeidan

Company: LP Consulting Engineers

Address: 1209 Pleasant Grove Blvd

City/State/Zip: Roseville CA 95678

Phone: 916.771.0778

Signature: Rami S. Zeidan

Date Signed: 2021-11-04

Title:

License #: E16762

Responsible Mechanical Designer Name: Jason DeDora

Company: LP Consulting Engineers

Address: 1209 Pleasant Grove Blvd

City/State/Zip: Roseville CA 95678

Phone: 916.771.0778

Signature: Jason DeDora

Date Signed: 2021-11-04

Title:

License #: M34661

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

NRCC-LTO-E

CERTIFICATE OF COMPLIANCE

Project Name: George Hall ES MPR

Report Page: NRCC-LTO-E (Page 3 of 7)

Project Address: 130 San Miguel Way

Date Prepared: 6/10/2021

F. OUTDOOR LIGHTING FIXTURE SCHEDULE									
For new or altered lighting systems demonstrating compliance with §140.7, all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)(2), only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included).									
Designed Wattage:									
01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire¹,²	How is Wattage determined	Total number luminaires³	Luminaire Status⁴	Excluded per §140.7(a)	Design Watts	Cutoff Req. > 6,200 Initial lumen output §130.2(b)⁴	Field Inspector
D2	D2 <input type="checkbox"/> Linear	22	CEC Default	5	New <input type="checkbox"/>		110	NA - < 6200 lumens	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
DE2	DE2 <input type="checkbox"/> Linear	22	CEC Default	13	New <input type="checkbox"/>		286	NA - < 6200 lumens	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
S1E	S1E <input type="checkbox"/> Linear	34.7	CEC Default	4	New <input type="checkbox"/>		138.8	NA - < 6200 lumens	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
S3E	S3E <input type="checkbox"/> Linear	70	CEC Default	1	New <input type="checkbox"/>		70	NA - < 6200 lumens	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
W	W <input type="checkbox"/> Linear	40	CEC Default	1	New <input type="checkbox"/>		40	NA - < 6200 lumens	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Total Design Watts:							644.8		

* NOTES: Selections with a " " require a note in the space below explaining how compliance is achieved. EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b)

¹ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)

² For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.

³ Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.

⁴ Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by §130.2(b)

G. CUTOFF REQUIREMENTS (BUG)

This section does not apply to this project.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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Report Generated: 2021-06-10 15:13:22

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

NRCC-LTO-E

CERTIFICATE OF COMPLIANCE

Project Name: George Hall ES MPR

Report Page: NRCC-LTO-E (Page 6 of 7)

Project Address: 130 San Miguel Way

Date Prepared: 6/10/2021

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCL

Yes	No	Form/Title	Field Inspector
<input checked="" type="radio"/>	<input type="radio"/>	NRCL-LTO-01-E - Must be submitted for all buildings	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
<input type="radio"/>	<input checked="" type="radio"/>	NRCL-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Yes	No	Form/Title	Field Inspector
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003

Schema Version: rev 20200601

Report Generated: 2021-06-10 15:13:22

AGENCY APPROVAL:

DSA # 119574

FILE # 41-26

LP CONSULTING ENGINEERS

1209 Pleasant Grove Blvd. Roseville, CA 95678

p 916-771-0778

www.lpcng.com

Job #: 20-2125

REGISTERED PROFESSIONAL ENGINEER

11 34601

REN 12-31-21

MECHANICAL

STATE OF CALIFORNIA

HMC Architects

3542004-000

333 WEST SAN CARLOS STREET, STUDIO 750

SAN JOSE, CA 95110

408 977 9160 / www.hmcarchitects.com

DESCRIPTION	DATE
1 ADDENDUM 02	11/19/2021

FACILITY:

GEORGE HALL ELEMENTARY SCHOOL

SAN MATEO FORSTER CITY SCHOOL DISTRICT

130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:

MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:

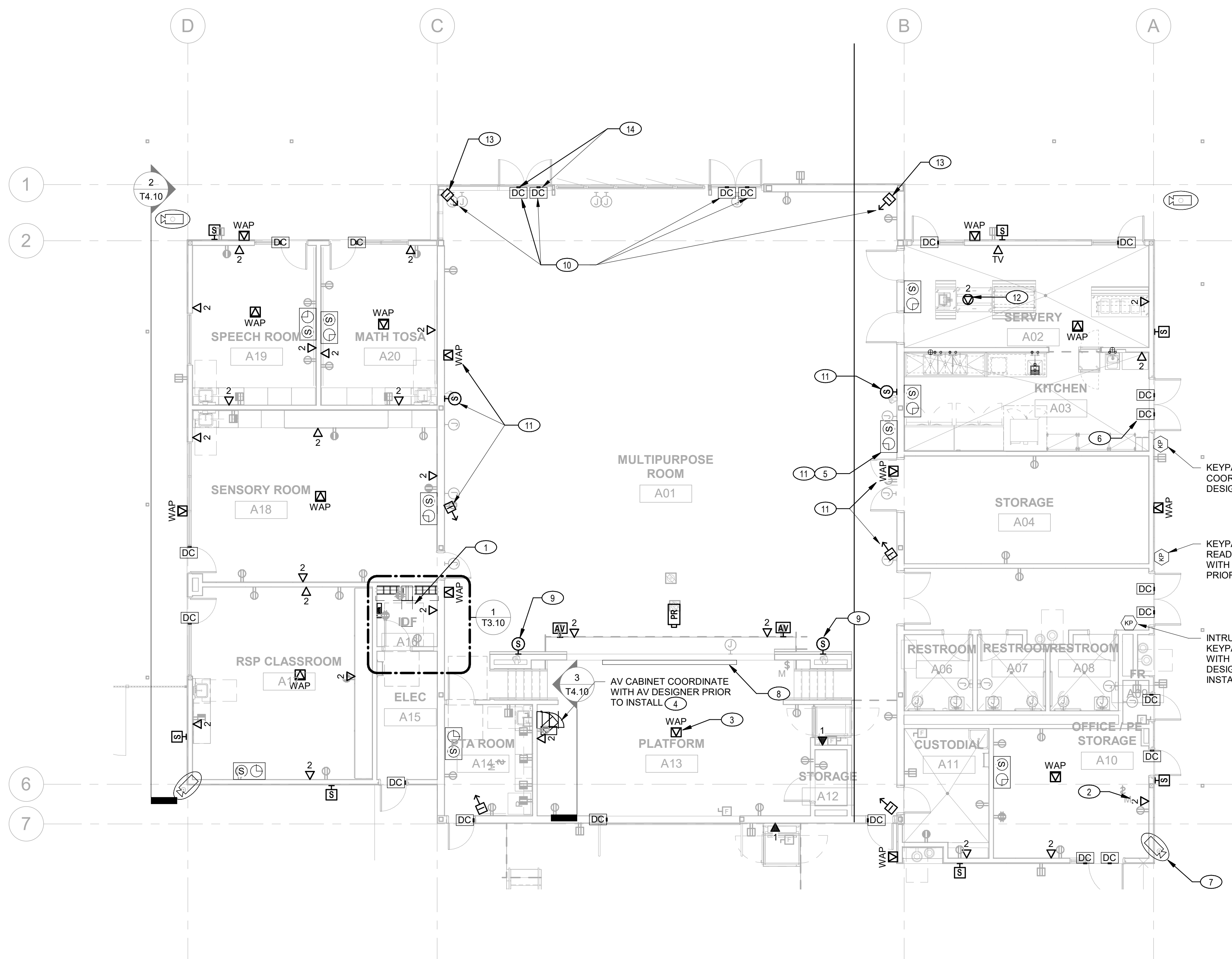
TITLE 24 COMPLIANCE

DATE: 10.04.2021

PROJ NO: 3542-004

SHEET:

T24.3



1 TECHNOLOGY FLOOR PLANS
SCALE: 1/8" = 1'-0"

ASSISTIVE LISTENING DEVICES - CBC 11B-219				
	# OF OCC.	DEVICES REQ'D PER RM.*	# OF ROOMS	TOTAL # DEVICES
CLASSROOM (PERMANENT SYSTEM NOT REQUIRED FOR CLASSROOMS, PROVIDE A PORTABLE SYSTEM FOR THE SCHOOL)	28	2	(1 PORTABLE SYSTEM)	2
MULTIPURPOSE ROOM	407	17	1	17
*NOTE: NUMBER OF DEVICES TO BE PROVIDED SHALL BE 4% NUMBER OF SEATS, BUT NO LESS THAN 2 PER ROOM. 25% OF DEVICES SHALL BE COMPATIBLE WITH HEARING AIDS (IN ACCORDANCE TO SECTION 11B-706.3), BUT NO FEWER THAN 2.			TOTAL DEVICES = 19	
EACH ROOM THAT REQUIRES ALS SYSTEM SHALL HAVE A LISTEN RF TRANSMITTER (LT-800-072 OR EQUAL) AND A MICROPHONE. PROVIDE LISTEN RF RECEIVERS (LR-3200-072 OR EQUAL) WITH HEADPHONES BASED ON THE NUMBER LISTED ABOVE IN THE CHART. COORDINATE WITH DISTRICT FOR SYSTEM MODEL PARTS CONFIRMATION. IN THE MULTIPURPOSE ROOM, PROVIDE A LCS-120-01 WI-FI/FM BASE SYSTEM. CONNECT AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM IN EACH AREA.				

2 ASSISTIVE LISTENING DEVICES
SCALE: 1/4" = 1'-0"

GENERAL NOTES

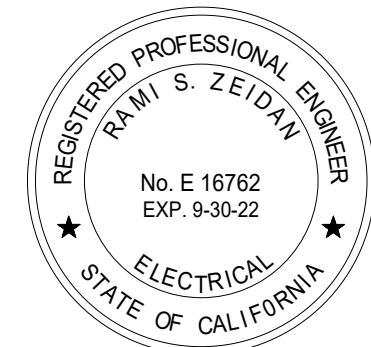
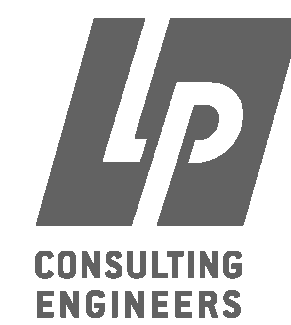
- FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPENCIES.
- (TYPICAL) PROVIDE 1" CONDUIT CHASE TO CEILING SPACE AND J-HOOK PATHWAY BACK TO LOCKER IDF.
- COORDINATE ALL LABELING OF NEW CABLES WITH DISTRICT IT STAFF.
- REFERENCE FILL CHART. DO NOT EXCEED 40% FILL.
- ROUTE ALL AV CABLING TO CLASSROOM AV CABINET.
- WHERE NEW CLOCKS AND SPEAKERS ARE PROVIDED, CLOCK SHALL BE INTEGRATED UNDER COMBINATION CLOCK SPEAKER GRILLE FOR ALL INTERIOR APPLICATIONS WHERE BOTH OCCUR IN THE SAME AREA. PROVIDE CLOCK SIZE AND CONSTRUCTION WHERE APPROPRIATE FOR SCHOOL FUNCTIONS AND NOMINAL DISTANCE. INCLUDE CAGE PROTECTION IN MP ROOM.
- WAP COILED LOOP 10'
- CONTRACTOR TO ENSURE DATA & INTRUSION RUNS ARE CONCEALED WITHIN WALL OR PLACED IN CONDUITS BELOW CONCRETE SLAB.
- COORDINATE WITH AV DESIGNER AND SECURITY DESIGNER FOR REQUIRED CONDUIT SIZES AND BACKBOX SIZES. PROVIDE 1" CONDUIT FOR SECURITY CAMERAS WITH A CAT6 CABLE TO EACH CAMERA. FOR ALL AV SYSTEMS PROVIDE 1.5" CONDUIT.

KEY NOTES

- REFERENCE T3.10 FOR IDF BUILDOUT REQUIREMENTS.
- (TYPICAL) PROVIDE 2 PORT FACEPLATE @ 18" AFF. PROVIDE (2) CAT6 CABLES FROM LOCAL IDF AND TERMINATE-TEST.
- (TYPICAL) PROVIDE (2) CAT6A CABLES FROM LOCAL IDF TO CEILING LOCATION FOR WIRELESS ACCESS POINT. PROVIDE SUFFICIENT SLACK FOR DISTRICT TO INSTALL WIRELESS DEVICE.
- (TYPICAL) ALL AV DEDICATED CABLING TO HOMERUN BACK TO AV CABINET.
- (TYPICAL) CLOCK AND BELL: WHITE IP CLOCK/IP SPEAKER WITH FLASHERS. COORDINATE MOUNTING HEIGHT FOR SIGNAL AND POWER OUTLETS WITH ARCHITECTURAL DRAWINGS. ADVANCED NETWORK DEVICES: #IPSWD-RWB. PROVIDE BACKBOX #IPS-FMI (FLUSH) AND #IPS-SMI (SURFACE). PROVIDE ALL SIGNAL CABLING AND CONTROLS AS REQUIRED. PROVIDE ALL NECESSARY DEVICES/CONTROLLERS AND WIRING TO INTEGRATE INTO EXISTING CAMPUS SYSTEM. USE MANUFACTURERS INSTRUCTIONS FOR MOUNTING INSTALLATION.
- (TYPICAL) COORDINATE WITH SECURITY DESIGNER FOR ACCESS CONTROL DETAIL AND ALL DOOR CONTACT INSTALLATION AND REQUIREMENTS. INSTALL 1" CONDUITS WITH CAT6 CABLES TO EACH EXTERIOR DOOR.
- (TYPICAL) COORDINATE WITH SECURITY DESIGNER FOR SURVEILLANCE CAMERA DETAIL AND FOR ALL MOUNTING AND WIRING INSTRUCTIONS.
- PROJECTOR SCREEN. COORDINATE WITH AV DESIGNER PRIOR TO INSTALL.
- SPEAKERS ON PROSCENIUM WALL SHALL BE RECESSED. COORDINATE WITH AV DESIGNER PRIOR TO INSTALL. PAINT SPEAKER GRILL TO MATCH WALL FINISH.
- CONDUIT SHALL BE ROUTED UNDERNEATH THE SLAB TO DEVICE LOCATION PRIOR TO POURING. COORDINATE WITH ARCHITECT PRIOR TO INSTALL.
- RUN CABLES THROUGH ADJACENT CEILING SPACE TO DEVICE LOCATION AND STUB THROUGH WALL TO DEVICE J-BOX. AVOID RUNNING SURFACE CONDUITS INSIDE MULTIPURPOSE ROOM. COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
- COMBINED POWER/DATA FLOOR OUTLET. COORDINATE W/ ELECTRICAL.
- KEYPAD AND MOTION DETECTOR CONDUITS SHALL BE FED FROM PRE-STUBBED CONDUITS. AVOID RUNNING SURFACE CONDUITS. COORDINATE WITH ARCHITECT PRIOR TO INSTALL.
- DOOR CONTACTS SHALL HAVE CONDUIT RUN THROUGH HOLLOW STEEL DOOR FRAME TO AVOID RUNNING THROUGH WALLS. COORDINATE WITH ARCHITECT PRIOR TO INSTALL.

AGENCY APPROVAL:

DSA # 119574
FILE # 41-26



HMC Architects

3542004-000

3546 CONCOURS STREET
ONTARIO, CA 91764
213 542 8300 / www.hmcarchitects.com

DESCRIPTION	DATE
1 ADDENDUM 02	11/19/2021

FACILITY:

GEORGE HALL ELEMENTARY SCHOOL
SAN MATEO FORSTER CITY SCHOOL DISTRICT
130 SAN MIGUEL WAY, SAN MATEO, CA 94403

PROJECT:
MULTIPURPOSE BUILDING AND SITE WORK

SHEET NAME:
TECHNOLOGY FLOOR PLANS

DATE: 10.04.2021 PROJ NO: 3542-004

SHEET:

T2.10

11/19/2021 9:08:48 AM

THE LINE SHOWN ABOVE THE
DRAWING IS NOT TO SCALE
SHEET ORIGIN PAGE SIZE

FIRE SPRINKLER HEAD SCHEDULE

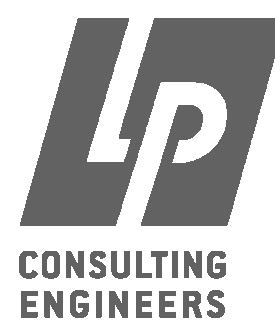
SYMBOL	TYPE	TEMP	ORF	K	FINISH	QUANTITY
○	VK3001 QR SSU SPRINKLER	200	1/2"	5.6	BRASS	106
●	VK462 QR CONC SPRINKLER	155	1/2"	5.6	WHITE	59

KEY NOTES

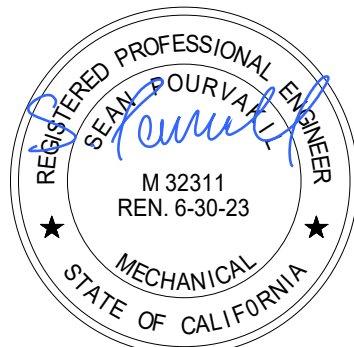
- STANDARD SPRAY QUICK-RESPONSE CONCEALED FIRE SPRINKLER
- AUTOMATIC AIR VENT INSTALLED IN BRANCH LINE PIPE PER NFPA 13 (2016) SECTION 8.16.6
- 6" ALARM BELL

AGENCY APPROVAL:

DSA # 119574
FILE # 41-26



1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpeengineers.com
Job #: 20-2125



HMC Architects

3542004-000

333 WEST SAN CARLOS STREET, STUDIO 750
SAN JOSE, CA 95110
408 977 9160 / www.hmcarchitects.com

DESCRIPTION	DATE
1 ADDENDUM 02	11/19/2021

HYDRAULIC CALCULATION	
THIS BUILDING IS HYDRAULICALLY DESIGNED USING CRITERIA FROM NFPA 13, 2016 EDITION.	
LOCATION: CLASSROOMS	
REMOTE AREA #: 1	
BASIS OF DESIGN:	
HAZARD CLASSIFICATION:	LH
DESIGN DENSITY:	0.10
REMOTE AREA % INCREASE/DECREASE:	40%
ACTUAL SIZE OF REMOTE AREA (SF):	1014
SYSTEM DEMAND AT BASE OF RISER (BOR):	
PRESSURE REQUIRED (PSI):	40.1
FLOW REQUIRED (GPM):	356.3
ADDED HOSE - INSIDE: N/A OUTSIDE: 100	
SYSTEM DEMAND @ SOURCE (TEST):	
PRESSURE REQUIRED (PSI):	45.3
FLOW REQUIRED (GPM):	486.3
PRESSURE AVAILABLE (PSI):	53.3
SAFETY MARGIN (%):	13.0%
SPRINKLER HEAD(S):	
# OF SPRINKLERS CALCULATED:	16
THREAD:	1/2"
K-FACTOR:	5.6K
RESPONSE TYPE:	155F QR
ORIENTATION:	CONC PND
SIN #:	VK462
MAXIMUM AREA PER SPRINKLER:	
MINIMUM PRESSURE REQUIRED:	196 SQFT
MINIMUM DISCHARGE REQUIRED:	7.7 PSI
	19.6 GPM

HYDRAULIC CALCULATION	
THIS BUILDING IS HYDRAULICALLY DESIGNED USING CRITERIA FROM NFPA 13, 2016 EDITION.	
LOCATION: STAGE / PLATFORM	
REMOTE AREA #: 2	
BASIS OF DESIGN:	
HAZARD CLASSIFICATION:	OH2
DESIGN DENSITY:	0.20
REMOTE AREA % INCREASE/DECREASE:	0%
ACTUAL SIZE OF REMOTE AREA (SF):	1510
SYSTEM DEMAND AT BASE OF RISER (BOR):	
PRESSURE REQUIRED (PSI):	39.9
FLOW REQUIRED (GPM):	495.8
ADDED HOSE - INSIDE: N/A OUTSIDE: 250	
SYSTEM DEMAND @ SOURCE (TEST):	
PRESSURE REQUIRED (PSI):	45.7
FLOW REQUIRED (GPM):	745.83
PRESSURE AVAILABLE (PSI):	52.2
SAFETY MARGIN (%):	12.5%
SPRINKLER HEAD(S):	
# OF SPRINKLERS CALCULATED:	23
THREAD:	1/2"
K-FACTOR:	5.6K
RESPONSE TYPE:	155F QR
ORIENTATION:	CONC PND/UPR
SIN #:	VK462/VK3001
MAXIMUM AREA PER SPRINKLER:	
MINIMUM PRESSURE REQUIRED:	130 SQFT
MINIMUM DISCHARGE REQUIRED:	7.7 PSI
	14.8 GPM

