SOUTH SAN FRANCISCO
UNIFIED SCHOOL DISTRICT
MEASURE T BOND PROGRAM

KITCHELL

VOLUNTARY SITE WALK SIGN IN SHEET

PROJECT:	South San Francisco HS Modernization Mandatory Site Walk #1	**MEETING DATE:**	September 1, 2026
FACILITATOR:	SSFUSD/KCEM	**LOCATION:**	South San Francisco High School

NAME	COMPANY	EMAIL
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FACILITATOR:	SSFUSD/KCEM	**LOCATION:**	South San Francisco High School

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SOUTH SAN FRANCISCO
UNIFIED SCHOOL DISTRICT
MEASURE T BOND PROGRAM

KITCHELL

VOLUNTARY SITE WALK SIGN IN SHEET

PROJECT:	South San Francisco HS Modernization Mandatory Site Walk #2	**MEETING DATE:**	September 3, 2026
FACILITATOR:	SSFUSD/KCEM	**LOCATION:**	South San Francisco High School

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SOUTH SAN FRANCISCO
UNIFIED SCHOOL DISTRICT
MEASURE T BOND PROGRAM

KITCHELL

Measure T Bond Program
SOUTH SAN FRANCISCO HIGH SCHOOL MODERNIZATION PROJECT
MANDATORY SITE WALK AGENDA
Non-PLA Project

Called By:

- South San Francisco Unified School District

Held:

- Tuesday, September 1, 2026, at 3:15 PM
- Thursday, September 3, 2026, at 3:15 PM

- South San Francisco High School
  400 B Street, South San Francisco, CA 94080

AGENDA:

1. **MEET AT MAIN ADMINISTRATION BUILDING**

2. **INTRODUCTION OF PROJECT TEAM MEMBERS:**
   - SSFUSD:
     - **Bond Program Director:** Lori Shelton
     - **Bond Program Project Manager:** Calvin Wong
   - SSFUSD Consultants
     - **Program Manager** : Kitchell – Kent Brown, Erica Kodiyan, Abhishek Shete, Rick Garcia, Michael Carson
       - **Architect of Record**: CAW Architects –Brent McClure, Monique Wood, Matt Dohrman, CAW; Co-Team Leads: Joshua Kehl, Amy Fisher.

3. **RFP DOCUMENT AVAILABILITY:**
   - RFP and all related documents are housed at the SSFUSD's web site: https://www.ssfusd.org/departments/business-services/facilities-department/business-with-ssfusd/bids-and-rfps/rfps-rfqs-rfos-rfis

4. **RFP RESPONSE DATE & TIME:**
   - **Due:** September 30, 2026, no later than 4:00 PM PST to Calvin Wong at clwong@ssfusd.org.
   - **Certifications to be submitted with RFP response:** Two at this stage, refer to the RFP.
   - **Selection:** Contractor/Developer will be selected on a Best Value basis.
   - **Value:** Base Budget $54,950,531 + $3,789,098 unfunded Alternates.
   - **Design Basis** of $58,739,629.

5. **BIDDING AND CONTRACT REQUIREMENTS:**
   - **License Requirement:** Class B General Building Contractor
   - **Prequalification:**
     - Respondents to this RFP must be prequalified through PQ Bids, prior to submitting a completed Proposal. Please use the link to PQ Bids:
     - https://pqbids.com/ssfusd/
     - Prequalification of the LLB GC & the MEP subcontractors is required, for Preliminary Preconstruction Services, before GMP.

6. **SUMMARY SCOPE OF WORK DESCRIPTION:**
   Refer to **Project Description attached**
   - **General Project Summary / Scope of Work:**
     Complete construction of the Project consistent with the Division of the State Architect (DSA) approved Plans and Specifications and the Contract Documents.

   - **Project:**
     Provide Preliminary Construction Services for DD & CD Phases including but not limited to constructability review, value engineering, expedited design reviews, master scheduling, cost estimating, budgeting, logistics planning, detailed project phasing, interim housing ideas and concepts, experience with prefabricated, manufactured, and factory fabricated building systems to support accelerated project delivery, existing conditions/site investigations (see Allowances below) and construction services for the development and construction of this Measure T Project, in accordance with the lease-leaseback structure set forth in Education Code section 17406 et seq. Project delivery on an occupied high-use student/faculty/community members at all times during the calendar year.

7. **PRELIMINARY SITE INFORMATION:**
   - Preliminary Site Logistics – Preliminary Concept Designs from CAW
   - Contractor Badging/Vests Requirements
   - Site Access/ Project Security / Fire Alarm
   - Contractor's Working Hours/ Weekend & Holiday Work Hours

8. **ADDENDA:**
   - **September 23, 2026**, is the last day to issue addendum.
   - Locate all addenda at District website:
     https://www.ssfusd.org/departments/business-services/facilities-department/business-with-ssfusd/bids-and-rfps/rfps-rfqs-rfos-rfis

9. **FEES, ALLOWANCES & CONTINGENCIES for Preliminary Construction Services:**

   1.Provide a fee for your preliminary construction services.

   2. Provide an Allowance for your total On-site Evaluation of Existing Conditions/Site Investigations
   We are seeking assistance in validating specific existing conditions to confirm the final design scope of work. The District has established*, what it believes is a reasonable* allowance of **$200,000** to address these existing conditions/ destructive site investigations collectively. We have identified the following tasks that we wish the LLB GC to evaluate and provide a cost per task**.** Refer to RFP for details and support documentation requirements.
   - Potholing, fifteen (15) Locations
   - Electrical & Low Voltage System Investigations
   - Asphalt Core & Aggregate Base Sampling, fifteen (15) locations
   - Water Pressure Testing at Buildings
   - Natural Gas Pressure Testing at Buildings
   - Interior Ceiling Openings, nine (9) locations
   - Exterior Cement Plaster Openings, nine (9) openings
   - Floor/Grade/Interior Wall Openings, seven (7) openings
   - AHU's & Exhaust Fan

   3. Provide an Allowance for Owner directed Long Lead Item early procurement for a not-to exceed value of **$250,000**. Refer to RFP for details and support documentation requirements.

   4. Provide a District controlled contingency for a not to exceed **$50,000**. Refer to RFP for details and support documentation requirements.

Cost Breakdown Requirement:
The Contractor/Developer must provide an individual cost estimate for each investigation task identified. These costs should reflect the actual effort and resources required for each item.
- Refer to the Preliminary Construction Services Form in RFP.
- A separate, editable cost form is available upon request.

10. PRELIMINARY PROJECT SCHEDULE:
- No site access shall be allowed prior to Notice to Proceed (NTP).
- Below is the RFP Schedule of important dates.

11. QUESTIONS AND ANSWERS:
- Submit all questions via email in the format of an RFI to Calvin Wong, District Project Manager, at clwong@ssfusd.org.
- RFI's/Questions received after **4:00 PM on September 16, 2026,** will not be answered.

12. SITE WALK & ADJOURNMENT

Disclaimers:
- **Please reference RFP for full project details and information on the District website at** https://www.ssfusd.org/departments/business-services/facilities-department/business-with-ssfusd/bids-and-rfps/rfps-rfqs-rfos-rfis

RFP Schedule

DATE	ACTION ITEM
Monday, August 17, 2026	**Release of RFP**
Monday, August 17, 2026	**First advertisement of RFP in trade journal and local newspaper.**
Monday, August 24, 2026	**Second advertisement of RFP in trade journal and local newspaper.**
Tuesday, September 1, 2026, at 3:15 PM **Thursday, September 3, 2026, at 3:15 PM**	**Mandatory Site Walks**
Wed, September 16, 2026, at 4:00 PM	**Last day to receive written questions from Respondents.**
Fri, September 23, 2026, at 4:00 PM	**Last day for District to issue addenda to answer questions/clarifications.**
Fri, September 30, 2026, at 4:00 PM	**Deadline for submissions in response to RFP.**
Tue/Thu, Oct 13/15, 2026, 9:30am, 2:30pm	**Team Interview Dates/Times for Respondents** **(TBD if requested)**
Thursday November 12, 2026	**Target Board Meeting**

The District reserves the right to modify the schedule without prior written notice.

Important Note:

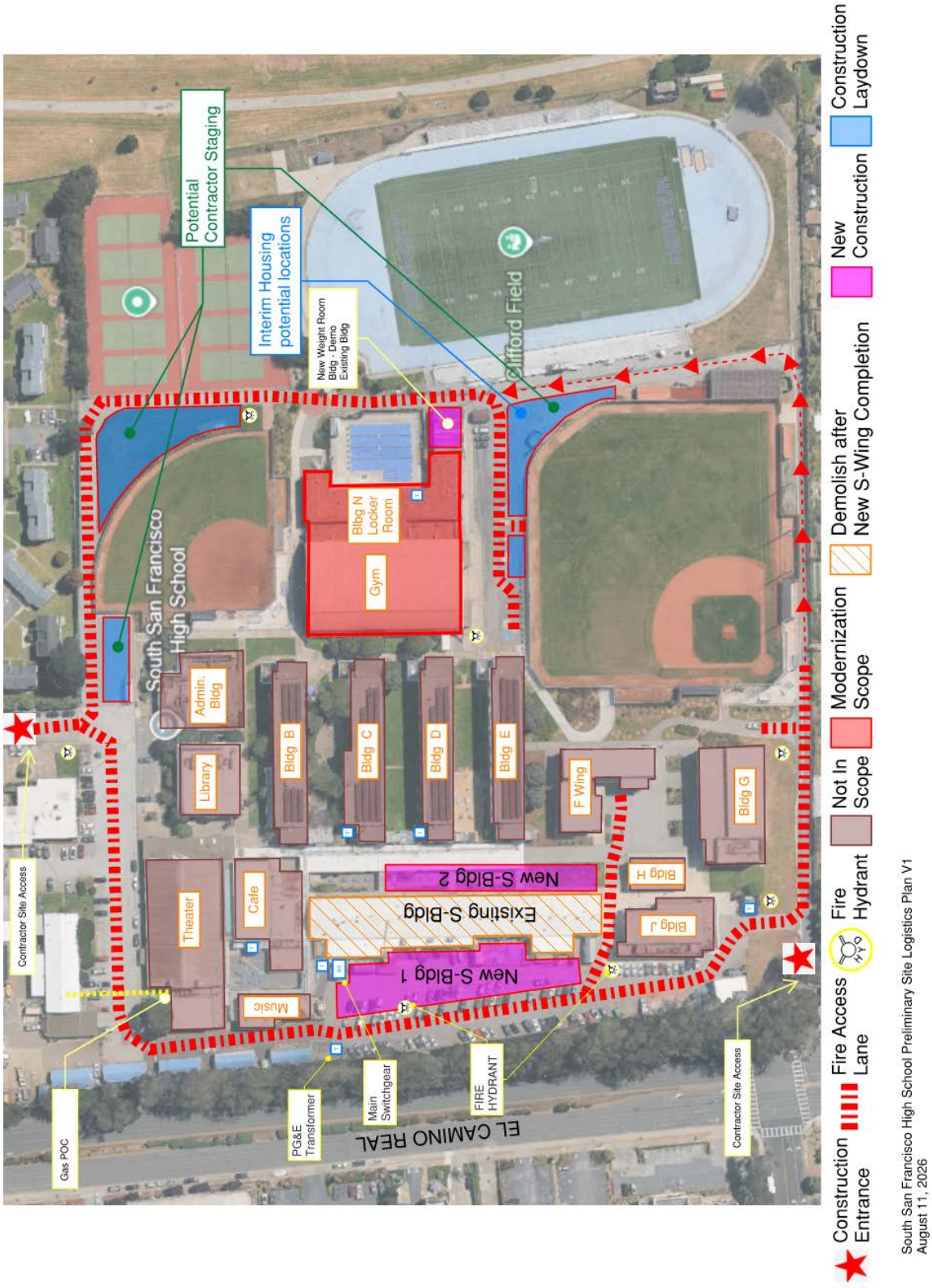
Response to inquiries and discussions occurring at this pre-bid walk-through shall in no way change or modify the RFP documents. The RFP documents will be affected only by written addenda issued prior to the RFP response date.

Reference:

1. Appendix A, Project Description
2. Preliminary Concept Designs from CAW
3. Exhibit L, Attachment D – Preliminary Site Logistic Plan
4. Exhibit L, Attachment E – Exploratory Site Investigation & Destructive Testing – Instructions & Drawings

Exhibit L

Attachment D – Preliminary Site Logistics Plan



Exploratory Site Investigation & Destructive Testing
Proposal Instructions

Purpose:

This RFP Proposal package includes:

- **Attachment A - Narrative Scope of Work**
  - Specific costs
  - Unit costs
- **Attachment E- Architect Drawings + supporting Diagrams, photos, etc.**
- **SI/DT Summary Matrix**

These documents are intended to be used **together** when developing pricing for the requested exploratory investigation and destructive testing work. The narrative scope and drawing package are complementary documents, and neither should be relied upon independently.

How to Use the RFP Proposal Documents:

1. First- Review Attachment A (narrative scope of work)
Attachment A contains the complete narrative description of the requested investigation scope, including:

- Investigation objectives
- Locations and quantities where identified
- Testing and destructive exploration requirements
  - Unit-cost investigations
  - Architect requested specific investigations
- Some requested work is described only within Attachment A and may not be shown on the drawings.
- We have provided a summary table below to help define the scope of work that correlates with the Preliminary Cost Sheet.

2. Second- Review Attachment E, Architect drawings
The drawing package provides graphic representation of the investigation scope. These drawings identify specific investigative locations and may contain multiple scope items on a single sheet. Drawing sheets should be used to verify locations, access requirements, and the extent of investigative work described in Attachment A. Architectural Investigation areas are highlighted through:

- Red-text annotations
- Drawings with keyed investigation descriptions & detailed callouts and references
- Supporting photographs, notes and annotations
- Identifying investigation locations

Bidders are responsible for reviewing all associated photographs, notes, and callouts to fully understand the extent of the required work.

3. Third – Review Matrix; Correlate Narrative Scope Items with Drawing References

- Refer to Matrix below which summarizes all SI/DT work for pricing.

Bidders shall cross-reference all scope items identified in Attachment A with the corresponding Attachment E architect drawings/diagrams.

Attachment E Drawing Organization
The architect's drawings are organized by discipline and sheet designation:

Sheet Series	Description
MEP 1.1, MEP 1.2, etc.	Mechanical, Electrical, Plumbing, and Fire Protection investigations
LS 1.1, LS 1.2, etc.	Site, paving, utility, and landscape investigations
AR 1.1, AR 1.2, etc.	Architectural exploratory investigations and destructive testing

Architectural Drawings:
These drawings identify specific investigative locations and may contain multiple scope items on a single sheet. Investigation areas are highlighted through:

- Red-text annotations
- Keyed investigation descriptions
- Supporting photographs

Summary Scope of Work chart for Exploratory SI/DT:
These drawings identify specific investigative locations and may contain multiple scope items on a single sheet. Investigation areas are highlighted through:

- Red-text annotations
- Keyed investigation descriptions
- Supporting photographs
- Detail callouts and references

Bidders are responsible for reviewing all associated photographs, notes, and callouts to fully understand the extent of the required work.

Important GC Pool RFP Exploratory Site Investigation & Destructive Testing Notice
The drawings, diagrams, and investigation exhibits included within this package were assembled from previous design documents and supplemented by the Architect of Record, and Bond Program Management Team for purposes of this RFP.
GC Pool is responsible for reviewing all RFP Proposal documents and incorporating the most complete scope of work, including narrative requirements, drawing references, and unit-cost items, into their proposal pricing.
Attachment A and the drawing package together define the complete investigative scope. Careful, do not assume that all required work is represented graphically.

Summary Matrix **Exploratory Site Investigation & Destructive Testing (SI/DT)**						
		Quantity Requested				
	Investigation Description	**AOR** Specific locations	**District** Unit Costs	**Bldgs./Qty**	**Page #**	**Drawing Reference**
a.	**Potholing**	0	15	**15**	**-**	None
b	**Electrical/ Low Voltage**	-	-	**-**	**-**	-
	Testing and verification of campus secondary distribution (2 Bldgs.)	0	2	**2**	**-**	None
	Investigate existing conditions in designated building electrical rooms (10 bldgs.)	0	11	**11**	**-**	None
	Identify, confirm and document, on a campus site map electrical rooms (13 bldgs.)	0	15	**15**	**-**	None
	Investigate Exposed Canopy Conduits	1	0	**1**	**8-16**	MEP 5.1 - MEP 5.9
	Investigate existing electrical panels (15 Bldgs.)	0	15	**15**	**-**	None
	Main Switchboard at Gym Bldg. Substation- Infrared camera inspection	2	0	**2**	**3-6**	MEP 1.1 - MEP 1.4
	30-day load study- electrical metering study on campus main switchboard ("MS"), Shop Substation ("S") and the Gym building Substation ("N") (2 bldgs.)	1	0	**1**	**3-6**	MEP 1.1 - MEP 1.4
	Gym Building - Receptacle testing	18	12	**30**	**7**	MEP 3
c	**Asphalt/Concrete/Landscape Coring**	10	5	**15**	**17**	None
d	**Water POC & Pressure Testing** (2 bldgs.)	3	7	**10**	**18-19**	LS 1.1 - LS 1.3
e	**Natural Gas Pressure Test** (10 Bldgs.)	0	11	**11**	**-**	None
f	**Exploratory Demolition & Investigation**	-	-	**-**	**-**	-
	Interior Gypsum Wall Openings (Interiors & Restroom)	3	4	**7**	**21-23**	AR-1.1 - AR-2.1
	Interior Ceiling Assemblies	3	6	**9**	**24-25**	AR-3.1 - AR-3.3
	Exterior Cement plaster assemblies	3	6	**9**	**27-29**	AR-4.1 - AR 4.3
g	**AHU's & Exhaust Fan** (Gym Bldg. N) Mechanical tech general test and inspection of all HVAC units (Gym AHU's and exhaust fans)	4	0	**4**	**30-31**	MEP 4.1 - MEP 4.4

ATTACHMENT E - a) Potholing

NO EXHIBIT

SEE EXHIBIT L FOR SCOPE

GENERAL NOTES

1. NOTIFY THE ARCHITECT AT LEAST 2 DAYS PRIOR TO COMMENCING DEMOLITION WORK IN A PARTICULAR AREA. BEFORE BEGINNING ANY CUTTING OR DEMOLITION WORK, THE CONTRACTOR SHALL CAREFULLY SURVEY THE EXISTING WORK AND EXAMINE THE DRAWINGS AND SPECIFICATIONS TO DETERMINE THE EXTENT OF THE WORK. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE AGAINST DAMAGE TO EXISTING WORK TO REMAIN IN PLACE, TO BE REUSED, OR TO REMAIN THE PROPERTY OF THE OWNER, AND ANY DAMAGE TO SUCH WORK SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL CAREFULLY COORDINATE THE BRACING AND SUPPORTS AS REQUIRED. THE CONTRACTOR SHALL ENSURE THAT STRUCTURAL SUPPORTS AS MAY BE REQUIRED AS A RESULT OF ANY CUTTING, REMOVAL, OR DEMOLITION WORK PERFORMED UNDER ANY PART OF THIS CONTRACT.
2. COORDINATE AND SCHEDULE ALL WORK WITH ALL NECESSARY CONSIDERATION FOR THE OWNER AND THE PUBLIC, AVOIDING INTERFERENCE WITH THE USE OF, AND PASSAGE TO AND FROM, ADJACENT AREAS AND FACILITIES DESIGNATED TO REMAIN IN USE DURING DEMOLITION. MAINTAIN ALL EXISTING CIRCUITS TO ITEMS THAT REMAIN IN USE. ABANDONED OUTLET BOXES SHALL BE CLOSED WITH BLANK COVER PLATES.
3. EXISTING OUTLETS WHICH ARE TO BE REMOVED AND HAVE CONDUITS RISING FROM THE FLOOR SLAB SHALL HAVE THE CONDUITS CUT BELOW FLOOR LEVEL. ABANDON OR REWORK AS REQUIRED TO PROVIDE FEED-THROUGH SERVICE TO OTHER REMAINING OUTLETS. PULL NEW WIRE BETWEEN REMAINING OUTLETS AFFECTED BY FEED-OUTLETS. PULL NEW WIRE BETWEEN REMAINING OUTLETS AFFECTED BY FEED-THROUGH. PATCH FLOOR AS REQUIRED TO RESTORE TO ORIGINAL CONDITION.
4. ALL EXISTING WIRING SYSTEMS WHICH ARE DISCONNECTED AND WILL NOT BE REUSED SHALL BE REMOVED IN THEIR ENTIRETY. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES EXCEPT WHEN AUTHORIZED BY OWNER. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES.
5. PULL CONDUCTORS FROM ABANDONED CONCEALED RACEWAYS SYSTEMS. ANY SECTION OR RACEWAY SYSTEM EXPOSED DUE TO REMODELING SHALL BE CUT FLUSH AT EXPOSING SURFACE. CONCEALED RACEWAY SHALL NOT BE REMOVED EXCEPT WHERE THEY INTERFERE WITH REMODELING.
6. ALL EXISTING OUTLETS, EQUIPMENT, AND ASSOCIATED WIRING AND CONDUIT SYSTEM(S) WHICH INTERFERE WITH THE WORK OF THE GENERAL, STRUCTURAL, PLUMBING, FIRE PROTECTION, OR HVAC CONTRACTORS SHALL BE REWORKED AS REQUIRED TO MAINTAIN SYSTEM OPERATION.
7. ALL ELECTRICAL EQUIPMENT, DEVICES, AND LIGHTING FIXTURES THAT ARE TO BE RELOCATED SHALL BE CAREFULLY REMOVED, STORED, INSTALLED IN NEW LOCATION AND RECONNECTED AND RELAMPED.
8. THESE PLANS MAKE REFERENCE TO EXISTING ELECTRICAL FACILITIES AND BASED UPON THE BEST INFORMATION AVAILABLE AT THIS TIME. THE CONTRACTOR SHALL VERIFY THE INFORMATION CONTAINED HERE IN AND REPORT INACCURACIES, OMISSIONS, AND OTHER CONDITIONS AFFECTING THE INDICATED WORK TO THE ARCHITECT.
9. CONDUCTORS COLOR CODING SHALL MATCH EXISTING COLOR CODING.
10. THE MINIMUM SIZE OF CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED.
11. PROVIDE UL LISTED FIRE-RATED SEALS FOR RACEWAY PENETRATIONS THROUGH FIRE-RATED WALLS, SLABS, AND CEILING. FIRE-RATED SEALS APPLY TO OTHER ELECTRICAL EQUIPMENT AS WELL TO MAINTAIN WALL RATING. (BOXES, PANELS AND ETC.)
12. PROVIDE REQUIRED EXPANSION/DEFLECTION FITTINGS AT LOCATIONS WHERE CONDUITS PASS THROUGH EXPANSION JOINTS. FITTINGS SHALL ALLOW SEISMIC MOVEMENT REQUIRED BY STRUCTURAL ENGINEERS.
13. AS PART OF THIS CONTRACT, THE CONTRACTOR SHALL VERIFY ALL ELECTRICAL DEVICE CONNECTIONS TO THE EXISTING PANELBOARDS. THIS SHALL BE DONE AT THE COMPLETION OF THE PROJECT PRIOR TO OWNER OCCUPANCY AND SHALL INVOLVE VERIFYING WHICH PANEL AND CIRCUIT EACH DEVICE IS CONNECTED TO AND SHOWING THAT INFORMATION ON THE AS-BUILT DRAWING. IF AT ANY TIME DURING THE CONSTRUCTION OF THIS PROJECT THE CONTRACTOR NOTICES AN ABNORMAL QUANTITY OF DEVICES CONNECTED TO ONE CIRCUIT, HE SHALL IMMEDIATELY INFORM THE ARCHITECT.
14. ALL NEW RECEPTACLES SHALL BE COMMERCIAL GRADE TYPE, MANUFACTURED BY HUBBELL, ARROW-HART CO., OR EQUAL.
15. ALL SURFACE RACEWAYS SHOWN SHALL BE ROUTED ALONG THE WALL AND TIGHT TO CORNER ABOVE. CONTRACTOR TO FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION. INSTALL SURFACE RACEWAY IN A MANNER TO AVOID CONFLICT WITH (E) RACEWAY ON THE PATH. INCASE OF (E) CONDUIT CONFLICT. SEE DETAIL 7/E4.1 FOR INSTALLATION. SUFACE RACEWAY ROUTED ACROSS THE CEILING IS NOT PERMITTED.
16. INSTALL SURFACE RACEWAYS & J-BOXES TIGHT TO CORNERS AS POSSIBLE.
17. PAINT ALL SURFACE RACEWAYS, CONDUITS, J-BOXES & ETC. WITH PAINT APPROVED BY THE ARCHITECT. PAINT COLOR TO MATCH WALL PAINT COLOR. SEE SPECS. SECTION 01300.
18. SUPPORT AND SEISMIC BRACING OF ALL CONDUITS AND EQUIPMENTS SHALL BE IN ACCORDANCE WITH THE SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEM".
19. IDENTIFY BRANCH CIRCUIT IN ALLCONDUITS AND J-BOXES WITH PERMANENT MARKER.
20. TV OUTLETS SHALL BE MOUNTED AT +84"ABOVE FINISHED FLOOR WITH AN ADJACENT POWER OUTLET.
21. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH PULL ROPE WITH 3'-0" SLACKS AT EACH END.
22. INSTALL CODE SIZE GROUND WIRE FOR EVERY CONDUIT RUN. GROUND WIRE SHALL BE FROM PANEL AND CARRIED UP TO THE DEVICES OR EQUIPMENT.
23. AS PART OF THIS CONTRACT, THE CONTRACTOR SHALL VERIFY ALL ELECTRICAL DEVICE CONNECTIONS TO THE EXISTING PANELBOARDS. THIS SHALL BE DONE VERIFYING WHICH PANEL AND CIRCUIT EACH DEVICE IS CONNECTED TO AND SHOWING THAT INFORMATION ON THE AS-BUILT DRAWING. IF AT ANY TIME DURING THE CONSTRUCTION OF THIS PROJECT THE CONTRACTOR NOTICES AN ABNORMAL QUANTITY OF DEVICES CONNECTED TO ONE CIRCUIT, HE SHALL IMMEDIATELY INFORM THE ARCHITECT.
24. THE LOCATION OF ALL DEVICES, CONDUIT ROUTING,THRENCHING SAW CUTTING AND CORING ON THESE DRAWING ARE SHOWN DIAGRAMATICALLY. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-INS. INACCURACIES RESULTED FROM FAILURE TO DO SO, SHALL BE CORRECTED W/O ADDITIONAL EXPENSE TO OWNER.
25. BRANCH CIRCUIT WIRING GUIDE: INSTALL INDIVIDUAL NEUTRAL WIRE, SIZE AT THE NEXT HIGHER RATING FROM THE PHASE WIRES.(IE #12 PHASE WIRES, #10 NEUTRAL WIRE) FOR EVERY THREE (3) BRANCH CIRCUIT OR TWO (2) BRANCH CIRCUIT PHASE WIRE FROM PANEL TO DEVICES. THIS NOTE TAKE PRECEDENCE OVER DESCREPANCIES ON DRAWINGS.

    DATA POWER OUTLET: INSTALL INDIVIDUAL #10 NEUTRAL WIRE PER CIRCUITS OR SIZE NEXT HIGHER RATING FROM THE PHASE WIRES.
26. TEST ALL ELECTRICAL SYSTEM AS A WHOLE AT COMPLETION OF WORK AND BEFORE FINAL ACCEPTANCE. TESTS REQUIRED ARE AS FOLLOWS.
    A. PERFORM INFRARED INSPECTION ALL ELECTRICAL TERMINATIONS WHILE SYSTEM IS ENERGIZED AND LOADED. PROVIDE RESISTIVE LOAD BANK AS PANEL LOAD. SIZE LOAD BANK 40% OF FEEDER CAPACITY.
    B. PERFORM INSULATION RESISTANCE TEST ON ALL CONDUCTORS, PHASE-TO-PHASE, AND PHASE-TO-GROUND.
    C. PERFORM GROUND CONTINUITY TEST BETWEEN MAIN GROUND SYSTEM, EQUIPMENT FRAME, AND SYSTEM NEUTRAL.

    TEST PROCEDURES SHALL BE PER NETA RECOMMENDED PRACTICES. SUBMIT TEST REPORTS TO ENGINEER-OF-RECORD FOR REVIEW AND APPROVAL. THIS REPORTS CONSTITUTES AS A PRE-REQUISITE FOR FINAL PAYMENT.
27. SURFACE METAL RACEWAY (WM6) W/O DEVICES SHALL HAVE THE DIVIDER METAL BARRIER LOCATED IN SUCH AMANNER THAT WIRING CAPACITY FOR DATA AND POWER CABLES ARE 60% AND 40% RESPECTIVELY.
28. ALL HOME RUNS TO THE PANELBOARDARE INDICATED AS STARTING FROM THE OUTLET NEAREST TO THE PANEL AND CONTINUING IN THE GENERAL DIRECTION OF THAT PANEL. CONTINUE SUCH CIRCUITS TO THE PANEL AS THOUGH THE ROUTES WERE COMPLETELY INDICATED. TERMINATE DATA SYSTEM IN A SIMILAR MANNER. HOMERUNS WHICH INDICATE UPGRADING CIRCUIT CONDUCTORS FOR VOLTAGE DROP, E.G.,#10 WIRE ON 20 AMPERE CIRCUIT SHALL HAVE THE CONDUCTOR SIZE CARRIED THROUGHOUT THE CIRCUIT TO THE LAST DEVICE.

SHEET PROVIDED FOR REFERENCE REGARDING DEVICE TYPES AND LEGEND ONLY

29. RS,
    ING
    ZE
30. IS
31. SHED

    GRADE. REFER TO SPECIFICATIONS FOR TRENCHING AND BACKFILL REQUIREMENTS.
32. UNLESS NOTED OTHERWISE, ALL LIGHT FIXTURES WITH THREE (3) OR FOUR (4) LAMPS SHALL BE CONTROLLED BY TWO LEVEL SWITCHING. THE TWO (2) OUTER LAMPS SWITCHES SEPARATELY FROM THE ONE (1) OR TWO (2) INNER LAMPS.
33. SURFACE MOUNTED RACEWAY INSTALLATION NOTES
    A. RACEWAY ROUTE MOCKUP PRIOR TO RACEWAY INSTALLATION:
    IN EACH CLASSROOM, USING MASKING TAPE OR EQUIVALENT, ILLUSTRATE PROPOSED SURFACE MOUNTED CONDUIT ROUTING FROM PENETRATION THROUGH WALL TO EACH SECTION OF SURFACE MOUNTED RACEWAY FOR REVIEW AND APPROVAL BY ARCHITECT AND ENGINEER. PROVIDE 48 HOURS PRIOR NOTICE FOR REVIEW OF MOCK. REMOVE MASKING TAPE PRIOR TO INSTALLATION. ACTUAL RACEWAY INSTALLATION SHALL NOT DEVIATE FROM APPROVED ROUTING.
    B. MOUNT RACEWAY SURFACE AGAINST WALL SURFACE FOLLOWING APPROVED ROUTING. OPENING SHALL NOT BE LARGER THAN NECESSARY AND ALL EXPOSED SURFACES SHALL BE PAINTED TO MATCH ADJACENT FINISH.
    C. INSTALL RACEWAY TIGHT TO TOP UP TO THE CEILING WHERE POSSIBLE. WHERE VERTICAL DROPS TO DEVICES ARE REQUIRED, THE VERTICAL PORTION OF THE RACEWAY SHALL BE PERPENDICULAR TO THE CEILING, FLOOR AND/OR ANY ARCHITECTURAL TRIMIMG.

POWER CHANGE-OVER SEQUENCE OF EVENTS

REFER TO SHEETS E1.1 AND E3.1.

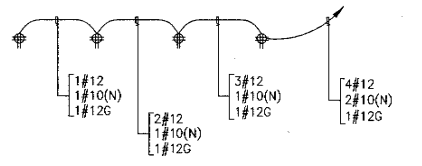
1. EVENT CONSIDERATIONS
    A. WORK ON THE SERVICE POWER UPGRADE WILL COMMENCE DURING THE SUMMER VACATION AND SHALL BE UNINTERRUPTED UNTIL COMPLETED. DURING CONSTRUCTION FOR NEW WORK, EXISTING ELECTRICAL SYSTEM SHALL BE KEPT OPERATIONAL AS POSSIBLE.
    B. POWER CHANGE-OVER SHALL BE INITIATED DURING THE WEEKEND. CHANGE-OVER SHALL BE SCHEDULED TWO WEEKS AFTER NOTICE TO THE SCHOOL DISTRICT WAS TRANSMITTED.
    C. WORK ANTICIPATED TO GO BEYOND SUMMER SCHOOL SCHEDULE SHALL BE CLOSELY COORDINATED WITH THE SCHOOL DISTRICT TO AVOID CONFLICT WITH REGULAR FULL SCHOOL PROGRAM.
    D. BUILDINGS LISTED BELOW SHALL BE KEPT OPERATIONAL DURING SUMMER SCHEDULE FOR SUMMER SCHOOL PROGRAM:
        a. ADMINISTRATION BUILDING A.
        b. CLASSROOM BUILDINGS B AND C.
        c. GYMNASIUM AND LOCKERS - BUILDING N.
        d. RELOCATABLE CLASSROOMS BUILDINGS ALONG THE NORTH AND SOUTH SIDE OF THE CAMPUS.
        e. SHOP BUILDING.
    E. COORDINATE ALL WORK WITH THE SCHOOL DISTRICT.
2. INSTALLATION EVENTS
    A. RELOCATE EXISTING GARBAGE COMPACTOR TO NEW LOCATION AS SHOWN ON DRAWING.
    B. INSTALL THE NEW 12 KV SWITCHGEAR AND ASSOCIATED SERVICE CONDUIT FROM P.G.&E. EXISTING VAULT. NEW 12 KV SWITCHGEAR SHALL BE LOCATED OUT OF THE EXISTING SWITCHGEAR LOCATION. THE NEW SERVICE CONDUIT SHALL BE INSTALLED PARALLEL TO EXISTING SERVICE CONDUIT AND TERMINATED INTO THE NEW 12 KV SWITCHGEAR.
    D. ENERGIZE NEW SWITCHGEAR. INSTALL TEMPORARY HIGH VOLTAGE LINE TO BACKFEED OLD SWITCHGEAR FOR SEQUENTIAL SWITCHOVER.
    E. SWITCHOVER FOR THE FOLLOWING BUILDING BELOW. POWER SWITCHOVER SHALL BE DONE ONE HIGH VOLTAGE FEEDER AT A TIME.
        a. SHOPS:
            1) INSTALL UNDERGROUND CONDUITS FROM NEW TRANSFORMER TO NEW SWITCHGEAR.
            2) INSTALL TRANSFORMER PAD, BUS DUCT EXTENSION AND NEW TRANSFORMER.
            3) DURING POWER INTERRUPTION, DISCONNECT EXISTING WIRING AND TERMINATE ALL NEW WIRING.
        b. BUILDINGS "B", "C", AND ADM. (SAME AS BUILDINGS "D" AND "E"):
            1) INSTALL NEW TRANSFORMER PAD, CONDUITS, BOXES AND ACCESSORIES NECESSARY FOR UNIT SUBSTATION.
            2) INSTALL NEW UNIT SUBSTATION AND CABLING.

            TO THE NEW PULLBOX AT ROOF NEAR EXISTING SWITCHGEAR.
            4) DURING POWER INTERRUPTION, REMOVEEXISTING UNIT SUBSTATION AND INSTALL MAIN DISTRIBUTION PANEL. TERMINATE ALL WIRING AS REQUIRED.
        c. GYMNASIUM:
            1) INSTALL CONDUITS, PULLBOXES AND ACCESSORIES NECESSARY FOR UNIT SUBSTATION.
            2) INSTALL NEW UNIT SUBSTATION AT GYM AND INSTALL NEW CABLING SYSTEM.
            3) INSTALL NEW 100 KVA TRANSFORMER AT THE CORNER OF THE FOOTBALL FIELD NEAR THE EXISTING HV SWITCH.
            4) DURING POWER INTERRUPTION, REPLACE HIGH VOLTAGE CABLES AND LOW VOLTAGE CABLES. DISCONNECT WIRING TO HV SWITCH. CONNECT NEW CABLES TO NEW TRANSFORMER AND EXISTING HV SWITCH.TERMINATE ALL WIRING AS REQUIRED.
        d. CAFETERIA/AUDITORIUM:
            1) INSTALL TRANSFORMER PAD, PULLBOXES, CONDUITS AND ACCESSORIES NECESSARY FOR NEW UNIT UBSTATION.
            2) INSTALL NEW UNIT SUBSTATION.
            3) DURING POWER INTERRUPTION. REPLACE HIGH VOLTAGE AND LOW VOLTAGE CABLES AT MAIN DISTRIBUTION PANEL. TERMINATE ALL WIRING AS REQUIRED.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL ELECTRICAL EQUIPMENT DEVICES AND WIRING WITHIN THE AREA OF RENOVATION PRIOR TO BID.
2. THE CONTRACTOR SHALL REMOVE ALL WIRING DEVICES, RACEWAYS, ETC. ON CEILINGS AND WALLS WHICH ARE UNDER THE AREA TO BE RENOVATED. DEVICES WHICH ARE TO BE REMOVED MAY REQUIRE REWORKING CONDUIT AND WIRING IN ORDER TO MAINTAIN SERVICE TO OTHER DEVICES. IF REMOVED DEVICES ARE ON WALLS OR CEILINGS WHICH ARE TO REMAIN, PROVIDE BLANK COVER PLATES ON OUTLET BOXES TO REMAIN.
3. WHERE REMODELING INTERFERES WITH CIRCUITS IN AREAS WHICH ARE OTHERWISE UNDISTURBED, CIRCUITS SHALL BE REWORKED TO MAINTAIN POWER CONTINUITY. WIRING SHALL BE INTERCEPTED IN ACCESSIBLE AREA AND RE-ROUTED IN SUCH A MANNER THAT INTERFERENCE WITH THE NEW WORK IS AVOIDED.
4. REMOVE, RELOCATE, AND/OR REWORK ANY ELECTRICAL EQUIPMENT, DEVICES, OR CONDUIT/WIRING AFFECTED WITHIN THE AREA OR RENOVATION (WHETHER INDICATED OR NOT) DUE TO REMOVAL OR REWORKING OF EXITNG WALLS, CEILINGS, ETC. THE ELECTRICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL WORK TO BE DONE BY OTHER TRADES BY REVIEWING THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING DRAWINGS, AND EXAMINING THE SITE FOR ACTUAL CONDITION OF PROJECT.
5. ALL EQUIPMENT, FIXTURES, DEVICES, ETC. WHICH ARE REMOVED SHALL BE DELIVERED TO THE OWNER FOR DISPOSITION. ALL ITEMS NOT REUSED SHALL BECOME THE PROPERTY OF THE ELECTRICAL CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
6. THE COST OF CUTTING, PATCHING AND PAINTING NECESSARY FOR THE INSTALLATION OR REMOVAL OF ELECTRICAL WORKS SHALL BE INCLUDED IN THE ELECTRICAL CONTRACT. COORDINATE WITH THE GENERAL CONTRACTOR.
7. THE CONTRACTOR SHALL REMOVE AND REPLACE LIGHTING FIXTURES; REWORK, RELOCATE, OR REPLACE CONDUIT AND WIRING, AND DO OTHER WORK REQUIRED BY THE INSTALLATION OF NEW DUCTWORK, PIPING, ETC., ABOVE EXISTING CEILING. COORDINATE WITH OTHER CONTRACTORS AND VERIFY THE EXTENT OF THE WORK.
8. THE CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM THE OWNER 7 CALENDAR DAYS PRIOR TO ALL POWER SHUTDOWN.
9. ALL CONDUIT AND WIRING NOT TO BE USED SHALL BE REMOVED BACK TO THE PANELS AS POSSIBLE.
10. REFLECT ALL CHANGES TO ALL EXISTING PANELS SCHEDULES OF ALL EXISTING PANELS INVOLVED IN THIS CONTRACT.
11. EXISTING CONDUIT AND WIRING WHICH ARE TO BE REUSED SHALL MEET THE REQUIREMENTS OF NEW CIRCUITS AND TO REMAIN IN GOOD CONDITION.
12. EXISTING OLD CLOCKS AND SPEAKERS SHALL BE REMOVED AND SALVAGED OR RELOCATED PER SSFSD DIRECTION.

RECEPTACLES WIRING STANDARD



NOTES: REFER TO FOLLOWING GENERAL NOTES NO. 22,25,28 & 29 FOR ADDITIONAL WIRING REQUIREMENTS.

LEGEND

⌇⌇⌇⌇	(E) CONDUIT TO BE REMOVED OR ABANDONED.
(R)	RELOCATED
(ERM)	EXISTING TO REMAIN
(ERR)	EXISTING TO BE REMOVED AND REINSTALLED UPON COMPLETION OF NEW CONSTRUCTION
(EA)	EXISTING TO BE ABANDONED
(EOH)	EXISTING OVERHEAD LINE
(NOH)	NEW OVERHEAD LINE
(ERE)	EXISTING TO BE RELOCATED
(ER)	EXISTING TO BE REMOVED
(RSC)	RIGID STEEL CONDUIT
◇	SHEET NOTE IDENTIFICATION TAG - SEE SHEET NOTES
	DETAIL DESIGNATION
⬡	FIXTURE IDENTIFICATION TAG
⬡	MECHANICAL EQUIPMENT TAG
(E), (N)	INDICATES EXISTING OR NEW
TYP.	TYPICAL
U.O.N	UNLESS OTHERWISE NOTED
A.F.F	ABOVE FINISH FLOOR
WP	WEATHERPROOF

	FLUORESCENT FIXTURE AND OUTLET- SURFACE OR PENDANT
	STRIP FLUORESCENT FIXTURE-SURFACE
S	WALL SWITCH, SINGLE POLE, SINGLE THROW, 20A, 1P, +48" U.O.N
$\odot_P$	POKE-THRU WITH PEDESTAL TYPE FLOOR OUTLET DOUBLE DUPLEX 20A, 3PG 120V. U.O.N. COMPLETE WITH FITTINGS FOUR (4) DOUBLE DUPLEX EQUAL TO WALKER 241 SERIES. SEE 6/E4.4
$\odot_{(4)}$	FLOOR FITTING BOX WITH DOUBLE DUPLEX RECEPTACLE.(EQUAL TO AMP CAT. NO.554192.) (NO. IN PARENTHESIS DENOTES NO. OF DOUBLE DUPLEX RECEPTACLES)
$\boxplus_{(2)}$	WIREMOLD RECEPTACLE, DOUBLE DUPLEX 20A,3PG, 120V. U.O.N. (2) DENOTES (2) DOUBLE DUPLEX.
$\frac{1}{26}$	OVERFLOOR,SURFACE RACEWAY, EQUAL TO WIREMOLD 2600 SERIES, COMPLETE WITH FITTINGS.
$\frac{1}{7}$	SURFACE METAL RACEWAY, EQUAL TO WIREMOLD 700 SERIES COMPLETE WITH FITTINGS.
	DOUBLE DUPLEX GFI RECEPTACLE +42" AFF, U.O.N.
	RECEPTACLE, DUPLEX 20A, 3PG, 125V, +18" U.O.N.
	RECEPTACLE, DOUBLE DUPLEX 20A, 3PG, 125V, +18" U.O.N.
$\boxtimes_{(6)}$	EQUAL TO AMP. CAT.#555287. (SUBSCRIPT DENOTES NO. OF DATA JACKS.)
	DATA CONDUIT STUB UP TO CEILING.
	DATA RECEPTACLE, 3/4" C.O MIN. WITH PULL ROPE WALL MTD, 18" U.O.N.
	POKE THRU TO LOWER FLOOR.
	TELEPHONE WALL OUTLET, WALL MTD.+42" U.O.N.
	POKE-THRU WITH PEDESTAL TYPE DATA OUTLET EQUAL TO WALKER "FIT" WITH 200 SERIES. COMPLETE WITH FITTINGS. SEE 6/E4.4
	COMPUTER DATA OUTLET BY OTHERS. FOR REFERRENCE ONLY.
TV	TELEVISION OUTLET BY OTHERS. FOR REFERRENCE ONLY.
J, J	JUNCTION BOX, CEILING OR WALL
S_T	MANUAL MOTOR STARTER
	DISCONNECT SWITCH - NON-FUSED, FUSED TYPE, SIZE PER N.E.C.
	COMBINATION MOTOR CONTROLLER/DISCONNECT SWITCH, SIZE PER N.E.C.
	MOTOR OUTLET AND CONNECTION
	EQUIPMENT CONNECTION
	(N) PANELBOARD
	MAIN SWITCHBOARD
T	TRANSFORMER, OIL TYPE, MOUNTED ON CONCRETE PAD.
	CIRCUIT BREAKER
CT	CURRENT TRANSFORMER
	DRAW OUT CIRCUIT BREAKER
	SWITCH AND FUSE
50 51	INSTANTANEOUS/OVERCURRENT PROTECTION RELAYS
50G	INSTANTANEOUS/GROUND RELAY
PS	PRIMARY SWITCH
CE	CABLE TERMINAL
T	TRANSFORMER
SD	SECONDARY DISTRIBUTION
K	KEY INTERLOCK, TYPICAL
H	MAGNETIC DOOR HOLDER
S_D	SMOKE DETECTOR, DUCT TYPE
	(E) PANELBOARD
	SURFACE RACEWAY SIMILAR TO WIREMOLD 5400 SERIES. SHADED PORTION INDICATES STATION WITH 2DA, 125V., DOUBLE DUPLEX RECEPTACLE AND COMPUTER DATA OUTLET. COMPLETE WITH FITTINGS.
#	HOMERUN CONDUIT AND WIRES CONCEALED IN CEILING OR WALL, HASHMARKS INDICATE NUMBER OF WIRE OTHER THAN 2#12-3/4"C MINIMUM
--W55--	SURFACE RACEWAY SIMILAR TO WIREMOLD 5500 SERIES.
	CONDUIT RUN CONCEALED IN CEILING OR WALL, NUMBER OF WIRES AS REQUIRED
	CONDUIT RUN IN OR UNDER FLOOR OR GRADE.
	CONDUIT DOWN, CONDUIT UP
--FWP--	UNDERCARPET FLAT WIRE POWER CABLE (COND.) EQUAL TO AMP CAT#523536-1
--FWD--	UNDERCARPET FLAT WIRE DATA CABLE, EQUAL TO AMP CAT#557874-1
W	SURFACE METAL RACEWAY EQUAL TO WIREMOLD 700 SERIES COMPLETE WITH FITTINGS
F	FIRE ALARM SYSTEM CONDUIT, 3/4"C, U.O.N.
	(E) LIGHTING FIXTURE TO BE REMOVED
	(E) LIGHTING FIXTURE TO REMAIN, U.O.N.
F	(E) FIRE ALARM PULL STATION TO REMAIN, U.O.N.
M	(E) MOTION SENSOR TO REMAIN, U.O.N.
	(E) CONDUIT

NBN ARCHITECTS
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☐ ELIEZER M. NAOR AIA

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REGISTERED PROFESSIONAL ENGINEER PETER G. LAPP No. E-8547 ELECTRICAL STATE OF CALIFORNIA

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S. S.F. HIGH SCHOOL MODERNIZATION
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
SOUTH SAN FRANCISCO, CALIFORNIA

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APP.NO. 101035
AC FLS SS
RECOMMENDED FOR APPROVAL
APR 2 1 1999
MAR 3 0 2001
AGENCY STAMP

LEGEND, NOTES AND POWER CHANGE-OVER SEQUENCE OF EVENTS

MEP 1.1
E0.1 LEGEND SHEET
08/17/26

DRAWN BY: JMB SCALE:
CHECKED BY: JNP NONE

E0.1

JOB NO: 98021A OF SHEETS

98034\98034E01\03-27-01\NBF

ITEM "MEP 1"

30-day electrical metering study on campus main switchboard ("MS"), Shop Substation ("S") and the Gym building Substation ("N") (per NEC 220.87 (copied to the left for reference)

Metering is required to determine if the switchboard and substations have the capacity to power existing to remain and new loads.

ITEM "MEP 2"

Gym Building Substation ("N") and Campus Main Switchboard ("MS") - Infrared camera inspection at feeder terminations and panel connections and insulation testing.

SHEET NOTES

1. (E) 12 KV PRIMARY SERVICE TO BE ABANDONED OR REMOVED.
2. (N) 1-6" CONDUIT PRIMARY SERVICE TO (N) SERVICE SWITCHGEAR. COORDINATE WITH PG&E REGARDING TERMINATION.
3. (E) 12 KV-4.16 KV PAD MOUNTED TRANSFORMER TO BE REMOVED AND DISPOSED OF.
4. (E) 5 KV METERING AND SERVICE SWITCHGEAR TO BE REMOVED AND DISPOSED OF.
5. UNIT SUBSTATION TO BE REMOVED AND DISPOSED OF.
6. (N) UNIT SUBSTATION 'S'.PROVIDE (N) TRANSFORMER PAD.
7. (N) 12 KV METERING AND SWITCHGEAR. CONTRACTOR TO SECURE PG&E APPROVAL PRIOR TO EQUIPMENT PROCUREMENT.
8. REPLACE (E) 5KV CABLES WITH (N) 12KV CABLES AND RE-USE (E) CONDUIT. REFER TO DWG. E3.1 FOR CABLE SIZE.
9. (E) MAIN DIST. PANELBOARD TO REMAIN
10. (N) UNIT SUBSTATION 'K'
11. (N) UNIT SUBSTATION 'S'
12. (N) UNIT SUBSTATION 'D'
13. (N) UNIT SUBSTATION 'B'
14. (N) UNIT SUBSTATION 'N'
15. REMOVE (E) 4" C. WITH 5 KV CABLES AND REPLACE WITH (N) 4" C. (12 KV CABLES) FROM (E) PULLBOX TO NEW TRANSFORMER LOCATION.
16. (E) 5" CONDUIT WITH SECONDARY CABLES TO REMAIN.
17. INTERCEPT (E) HV FEEDER CONDUIT WITH (N) NEMA 3R PULLBOX. SIZE PULLBOX PER NEC.
18. (E) HV FEEDER ROUTED ON WALKWAY TO REMAIN EXCEPT 5 KV CABLES TO BE REPLACED WITH 12 KV CABLES. REFER TO DWG. E3.1 FOR CABLE SIZE.
19. (E) HV PULL BOX TO REMAIN.
20. INSTALL (N) 1-100KVA, 12KV-4.16KV TRANSFORMER AND RECONNECT (E) 5 KV INTERRUPTER SWITCH ON THE LOW VOLTAGE SIDE.
21. ~~(E) GARBAGE COMPACTOR AND ELECTRICAL FEED (INCLUDING HYDRAULIC PUMP) TO BE RELOCATED AT SOUTH END OF SHOP BUILDING.~~ NOT USED
22. FOR EXACT LOCATION REFER TO SITE PLAN ON SAME SHEET.
23. TEMPORARY HV LINE TO BACKFEED (E) TRANSFORMER. TO BE REMOVED AFTER COMPLETION OF CHANGEOVER.
24. SEE DETAIL 6/E4.1
25. STEEL BARRIER POST. GALVANIZED FIXED POST 4" DIA. STEEL PIPE WITH 4" DIA. END CAP GALVANIZED MALLEABLE IRON. PROVIDE REFLECTIVE SAFETY ARM DECAL. POST SHALL BE 48" MIN. HIGH WITH 32" MIN. EMBEDDMENT.
26. ~~4" HIGH CONCRETE HOUSEKEEPING PAD BY OTHERS. REFER TO DETAIL 3/E4.3~~
27. 4" HIGH CONCRETE HOUSEKEEPING PAD REFER TO DETAIL 3/S3.0.
28. DISTRICT WILL RELOCATE (E) COMPACTOR AND WILL PROVIDE POWER CONNECTION.

"MEP1" LOCATION 1: MAIN SWITCHBOARD

"MEP2" LOCATION 1: MAIN SWITCHBOARD

"MEP1" LOCATION 2: SUBSTATION "S"

"MEP2" LOCATION 2: SUBSTATION "S"

SITE PLAN - ELECTRICAL
SCALE: 1" = 40'-0"
1/E1.1

ENLARGED PLAN - MAIN SWITCHGEAR LAYOUT
SCALE: 1/8" = 1'-0"
2/E1.1

SITE KEY PLAN

VBN ARCHITECTS
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OAKLAND, CA 94612
TELEPHONE (510)763-1313
- IL KWON CHA AIA
- LEE KARNEY AIA
- FRANZ STEINER AIA
- EUIEZER M. NAOR AIA

LICENSED ARCHITECT LEE KARNEY C-15158 12-31-01 STATE OF CALIFORNIA

ARCHITECT'S STAMP

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SOUTH SAN FRANCISCO, CALIFORNIA

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPL01 101035
AC FLS SS
RE-DATE
APR 21 1999
MAR 30 2001
AGENCY STAMP

SITE PLAN - ELECTRICAL

MEP 1.2
E1.1 - SITE PLAN - ELECTRICAL
08/17/26

DATE	ISSUE	REV.
9-22-98	DSA SUBMITTAL	
3-29-01	DSA RE-SUBMITTAL	
6/11/21	REBID WITH 2	

DRAWN BY: JMB SCALE:
CHECKED BY: ACJ AS SHOWN

E1.1

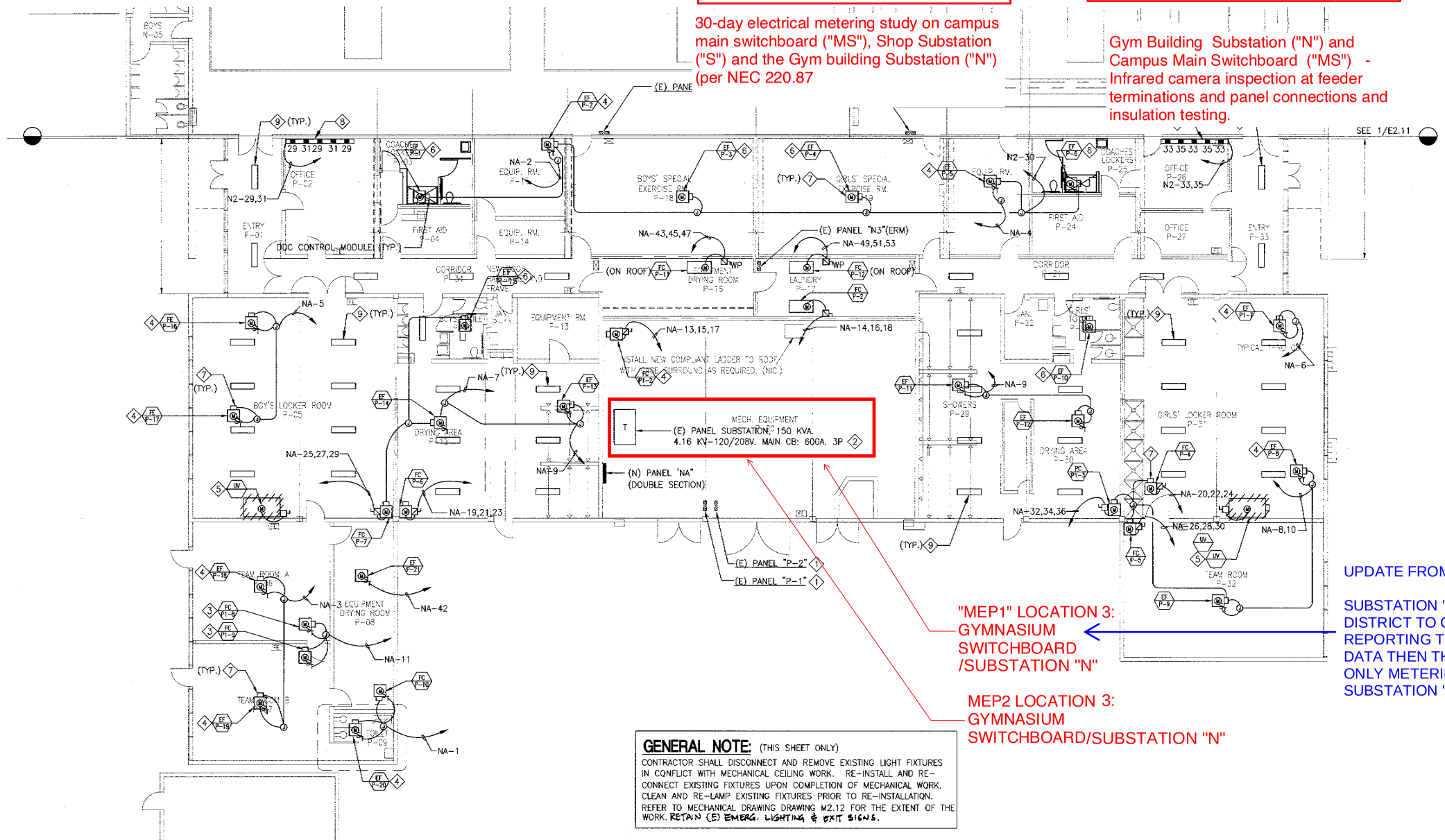
JOB NO: 98021A OF SHEETS

ITEM "MEP 1"

30-day electrical metering study on campus main switchboard ("MS"), Shop Substation ("S") and the Gym building Substation ("N") (per NEC 220.87

ITEM "MEP 2"

Gym Building Substation ("N") and Campus Main Switchboard ("MS") - Infrared camera inspection at feeder terminations and panel connections and insulation testing.



SHEET NOTES

1. REPLACE (E) PANEL WITH A (N) PANEL. RECONNECT (E) CIRCUITS.

   P-1: MLO : 100A
   BRANCH CB'S: 20-20A. 1P
   BRANCH CB'S: 6-20A. 2P
   TOTAL NO OF POLES : 32

   P-2: MLO : 200A
   BRANCH CB'S: 15-20A. 2P
   BRANCH CB'S: 12-20A. 1P
   TOTAL NO OF POLES : 42

   FOR (N) PANEL "N1" & "N2". PANEL DESCIPTION, REFER TO SHEET E3.4.

2. REPLACE (E) INDOOR UNIT SUBSTATION WITH (N) UNIT : TRANSFORMER: 150 KVA. 12KV, 3P, 4W
   MAIN CB: 600A, 3P. (SEE SHEET E3.1 FOR DETAIL)

3. DISCONNECT WIRING TO (E) UNIT VENT. AND RECONNECT WIRING TO (N) FC UNITS. (REMOVAL OF UV REPLACEMENT WITH (N) FC UNITS BY OTHERS.

4. (N) EQUIPTMENT. PROVIDE DISCONNECT/ STARTER AND WIRING SYSTEM AS REQUIRED.

5. DISCONNECT WIRING TO (E) EQPT. AND REMOVE WIRING . (REMOVAL OF EQPT. BY OTHERS.)

6. DISCONNECT WIRING TO (E) EXHAUST FAN AND RECONNECT WIRING AFTER REPLACEMENT OF FAN. (REMOVAL AND REPLACEMENT OF UNIT BY OTHERS.

7. DDC CONTROL MODULE (PROVIDED UNDER DIV.15)

8. SURFACE METAL RACEWAY, WIREMOLD 6000 SERIES. SEE DETAIL 2/E4.1 . FOR INSTALLATION TO COMPUTER COUNTER. SEE DETAIL 8/E4.1 .

9. REPLACE (E) LIGHT FIXTURE WITH (N) KENALL, NOVA 2 SERIES N1048, WITH 3-F32T8 LAMPS AND ELECTRONIC BALLAST.
   RE-USE (E) LIGHTING CIRCUIT AND MAINTAIN (E) SWITCHING ARRANGEMENT TO (N) FIXTURE. VERIFY IN FIELD.

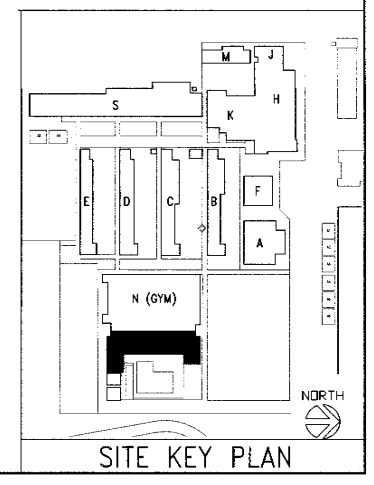
UPDATE FROM 7/20 SITE VISIT:

SUBSTATION "N" HAS A BUILT IN METER. DISTRICT TO CONFIRM WHERE THE METER IS REPORTING TO. IF WE CAN GET THIS METER DATA THEN THIS SCOPE CAN BE REMOVED AND ONLY METERING DATA FOR "MS" AND SUBSTATION "S" WILL BE REQUIRED.

GENERAL NOTE: (THIS SHEET ONLY)
CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES IN CONFLICT WITH MECHANICAL CEILING WORK. RE-INSTALL AND RE-CONNECT EXISTING FIXTURES UPON COMPLETION OF MECHANICAL WORK. CLEAN AND RE-LAMP EXISTING FIXTURES PRIOR TO RE-INSTALLATION. REFER TO MECHANICAL DRAWING DRAWING M2.12 FOR THE EXTENT OF THE WORK. RETAIN (E) EMERG. LIGHTING & EXIT SIGNS.

GIRLS & BOYS LOCKER ROOM FLOOR PLANS - ELECTRICAL — 1 / E2.12
SCALE: 1/8"=1'-0"

NORTH



SITE KEY PLAN

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☐ LEE KARNEY AIA
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☐ ELIEZER M. NAOR AIA

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SOUTH SAN FRANCISCO, CALIFORNIA

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPL01 101035
AD FLS SS
RE-DATE APR 21 1999
AGENCY STAMP MAR 30 2001

GIRLS & BOYS LOCKER ROOM FLOOR PLANS- ELECTRICAL

MEP 1.3
E2.12 - GIRLS & BOYS LOCKER ROOM FLOOR PLANS - ELECTRICAL
08/17/26

E2.12
JOB NO. 98021A SHEET OF SHEETS

ITEM "MEP 1"

30-day electrical metering study on campus main switchboard ("MS"), Shop Substation ("S") and the Gym building Substation ("N") (per NEC 220.87

ITEM "MEP 2"

Gym Building Substation ("N") and Campus Main Switchboard ("MS") - Infrared camera inspection at feeder terminations and panel connections and insulation testing.

SHEET NOTES

WITH (N) 3#1/0,1#6 GND. 12 KV CABLES.
) AND PROVIDE WARNING TAPE "HIGH
APPROVED FOR OUTDOOR APPLICATION.

CAPACITOR TRIP DEVICE.

4 COORDINATE WITH PG&E FOR EXACT REQUIREMENTS.

S (E) FEEDER TO REMAIN

(E) UTILITY VAULT
(N) 1-6"PVC (CABLES BY PG&E)
(N) UNDERGROUND PULLBOX 4
3/4"C WITH PULLWIRE
TO TEL. TERMINAL CABINET
UTILITY METER
1-6 PVC
1200A 3P
15KV OUTDOOR SWITCHGEAR 600A, 15KV, 3Ø, 3W, SEE
600A 3P E30,3P 12 KV.
600A 3P E30,3P 12 KV.
600A 3P E50,3P 12 KV.
600A 3P E15,3P 12 KV.
"MEP1" LOCATION 1: MAIN SWITCHBOARD
"MEP2" LOCATION 1: MAIN SWITCHBOARD
OUTDOOR UNIT SUBSTATION 100KVA 3Ø, 3W 12KV-4.16KV
150 KVA, 3Ø, 3W 12 KV-120/208V. 3Ø, 4W
600A 3P
(E) 5KV INTERRUPTER
INDOOR UNIT SUBSTATION "N" 600A,120/208,3Ø,4W, 42 KAIC.
250A 3P | 125A 3P | 150A 3P | 125A 3P | 125A 3P | 100A 3P | 100A 3P | 50A 3P | 200A 3P | 100A 3P | 100A 3P | 100A 3P
SPACES
(TYPICAL) S
4#1/0, 1#6 GND -2"C.
4#3/0, 1#6 GND -2 1/2"C.
4#3/0, 1#6 GND -2 1/2"C.
PANEL "BR" (ERM)
PANEL "N1"
PANEL "N2"
PANEL "N3" (ERM)
PANEL "L" & "BR" (ERM)
PANEL "P1"
PANEL "P2"
(N) MCP
(N) PANEL "NA" SECT. I
(N) PANEL "NA" SECT. II
(N) LCP-1 (LTG. CONT. & DIM. PANEL)
"MEP1" LOCATION 2: GYMNASIUM SUBSTATION "N"
"MEP2" LOCATION 2: GYMNASIUM SUBSTATION "N"
UNIT SUBSTATION "K" SEE DETAIL 9 E4.1
CONNECT TO NEAREST NEC CODE DEFINED ELECTRODE (TYPICAL)
DRY-TYPE 300 KVA, 3Ø, 3W 12 KV-120/208V. 3Ø, 4W
1000A 3P
3(4#400 MCM, 1#2/0 GND IN 3 1/2"C.)
UNIT OUTDOOR SUBSTATION "S" SEE DETAIL 9 E4.1
SILICON-FILLED PAD MOUNTED 300 KVA, 3Ø, 3W 12 KV-120/208V. 3Ø, 4W TRANSFORMER
1000A 3P
WYE SPLICE REFER TO DET. 3 E4.3
PB
(N) BUSDUCT 1000A,120/208,3Ø,3W
(E) BUSDUCT 1000A,120/208,3Ø,4W
"MEP1" LOCATION 3: SHOPS (S-WING) SUBSTATION "S"
FOR CONTINUATION, SEE SKE-05 & SKE-12 THIS SHEET
DISTRIBUTION PANELBOARD "DPK" 1200A 120/208, 3Ø,4W, 42 KAIC
200A 3P | 100A 3P | 200A 3P | SPARE | 200A 3P | SPARE | 100A 3P | 100A 3P | 100A 3P | 100A 3P | 200A 3P | 200A | 100A
SPACES
S (TYP.)
PANEL "M2" | PANEL "L" | PANEL "E" | PANEL "E1" | PANEL "K" | PANEL "K1" | PANEL "C" | PANEL "1C" | PANEL "SB" | PANEL "BR" (ERM) | PANEL "M"
SILICON-FILLED PAD MOUNTED 300 KVA, 3Ø, 3W 12 KV-120/208V. 3Ø, 4W TRANSFORMER
1000A 3P
OUTDOOR UNIT SUBSTATION "B" SEE DETAIL 9 E4.1
3(4#400 MCM, 1#2/0 GND IN 3 1/2"C.)
DISTRIBUTION PANEL "DPD" 1200A,120/208, 3Ø, 4W, 42 KAIC
400A 3P | 125A 3P | 125A 3P | 150A 3P | 125A 3P | 100A 3P | 100A 3P | 100A 3P
SPACE
(TYPICAL) S
3#1/0,1#6, GND.-2"C.
DIST. PANEL "DPE" (ERM)
PANEL "A"&"C"
PANEL "B"&"D"
PANEL "GPA" (ERM)
(N) ELEVATOR SEE DWG. E2.9
DISTRIBUTION PANEL "DPB" 1200A,120/208, 3Ø, 4W, 42 KAIC
500A 3P | 175A 3P | 175A 3P | 200A 3P | 175A 3P | 150A 3P | 150A 3P | 125A 3P | 100A 3P | 100A 3P | 100A 3P
SPACE
(TYPICAL) S
3# 1/0, 1#6, GND.-2"C
DIST. PANEL "DPC" (ERM)
ADM. OFFICE "PANEL"
LIBRARY "PANEL"
PANEL "3A" & "3C"
PANEL "3B" & "3D"
PANEL "3PA" (ERM)
PANEL "BH" (ERM)
(N) ELEVATOR SEE DWG. E2.10
SEE
NOTE: ALL PANELS ARE (E) TO BE REPLACED, U.O.N.

SINGLE LINE DIAGRAM — NOT TO SCALE — 1 / E3.1

NOTE: REPLACE ALL (E) PANELS WITH (N) OF THE SAME RATING AND NUMBER OF POLES U.O.N. PANEL TO REMAIN AS IS OR RELOCATED.

UNIT OUTDOOR SUBSTATION "S" SEE DETAIL 9 E4.1
SILICON-FILLED PAD MOUNTED 300 KVA, 3Ø, 3W 12 KV-120/208V. 3Ø, 4W TRANSFORMER
1000A 3P
(N) BUSDUCT 1000A,120/208,3Ø,3W
(E) BUSDUCT 1000A,120/208,3Ø,4W
PANEL "S7-C"
(DOUBLE SPACE)
4-4/0 & 1 #4G IN 2 1/2"C
150A 3P FUSED BUS PLUG TO MATCH (E)
SINGLE LINE DIAGRAM - SHOP. BLDG.
SOUTH SAN FRANCISCO HIGH SCHOOL MODERNIZATION 400 B STREET, SAN FRANCISCO, CALIFORNIA
SKE-05
UNIT OUTDOOR SUBSTATION "S" SEE DETAIL 9 E4.1
SILICON-FILLED PAD MOUNTED 300 KVA, 3Ø, 3W 12 KV-120/208V. 3Ø, 4W TRANSFORMER
1000A 3P
(N) BUSDUCT 1000A,120/208,3Ø,3W
(E) BUSDUCT 1000A,120/208,3Ø,4W
PANEL "CP-SB1"
BUS INTEGRATED TVSS
4-4/0 & 1 #4G IN 2 1/2"C
150A 3P FUSED BUS PLUG TO MATCH (E)
SINGLE LINE DIAGRAM - SHOP. BLDG.
SOUTH SAN FRANCISCO HIGH SCHOOL MODERNIZATION - ADDENDUM NO. 5 400 B STREET, SOUTH SAN FRANCISCO, CALIFORNIA
SKE-12
ADDENDUM #5 , 09/24/01

MEP 1.4
E3.1 - SINGLE LINE DIAGRAM AND SUBSTATION PLAN
08/17/26

98034\B034E31\9-18-98\JMB

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14TH STREET, SUITE 320
OAKLAND, CA 94612
TELEPHONE (510)763-1313
IL KWON CHA AIA
LEE KARNEY AIA
FRANZ STEINER AIA
ELIEZER M. NAOR AIA

LICENSED ARCHITECT LEE KARNEY C-8158 12/31/00 STATE OF CALIFORNIA

ARCHITECT'S STAMP
pela PETE G. LAPD & ASSOCIATES, INC.

REGISTERED PROFESSIONAL ENGINEER No. E5154 EXP. 12-31-98 ELECTRICAL STATE OF CALIFORNIA

CONSULTANT'S STAMP

S. S.F. HIGH SCHOOL MODERNIZATION
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
SOUTH SAN FRANCISCO, CALIFORNIA

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPL.01 10 1035
AC FLS SS
RE-DATE
APR 2 1 1999
AGENCY STAMP MAR 3 0 2001

SINGLE LINE DIAGRAM AND SUBSTATION PLAN

DATE	ISSUE	REV.
9-22-98	DSA SUBMITTAL	
3-29-01	DSA RE-SUBMITTAL	
5-15-01	ADDENDUM #1, #101035	
11/1/01	RE-BID WITH 4	

DRAWN BY: JMB SCALE: NONE
CHECKED BY: JNP

E3.1
JOB NO: 98021A OF SHEETS

ITEM "MEP 3"

TESTING OF RECEPTACLES
POLARITY, GROUNDING, NEUTRALS

AREA 7
TEST THREE RECEPTACLES IN THIS GYM

RECEPTACLES ARE TO BE ON DIFFERENT WALLS

AREA 8
TEST THREE RECEPTACLES IN THIS GYM

RECEPTACLES ARE TO BE ON DIFFERENT WALLS

AREA 1

AREA 3

AREA 4

AREA 2

AREA 6

AREA 5

TEST TWO RECEPTACLES IN EACH NOTED AREA IDENTIFIED BY "AREA #." FOR AREAS 1-6, RECEPTACLES ARE TO BE LOCATED IN DIFFERENT ROOMS

MEP 3
08/17/26

ITEM "MEP 5"

CANOPY UTILITY SURVEY



MEP 5.1
Canopy - Area
To Be
Surveyed
08/17/26









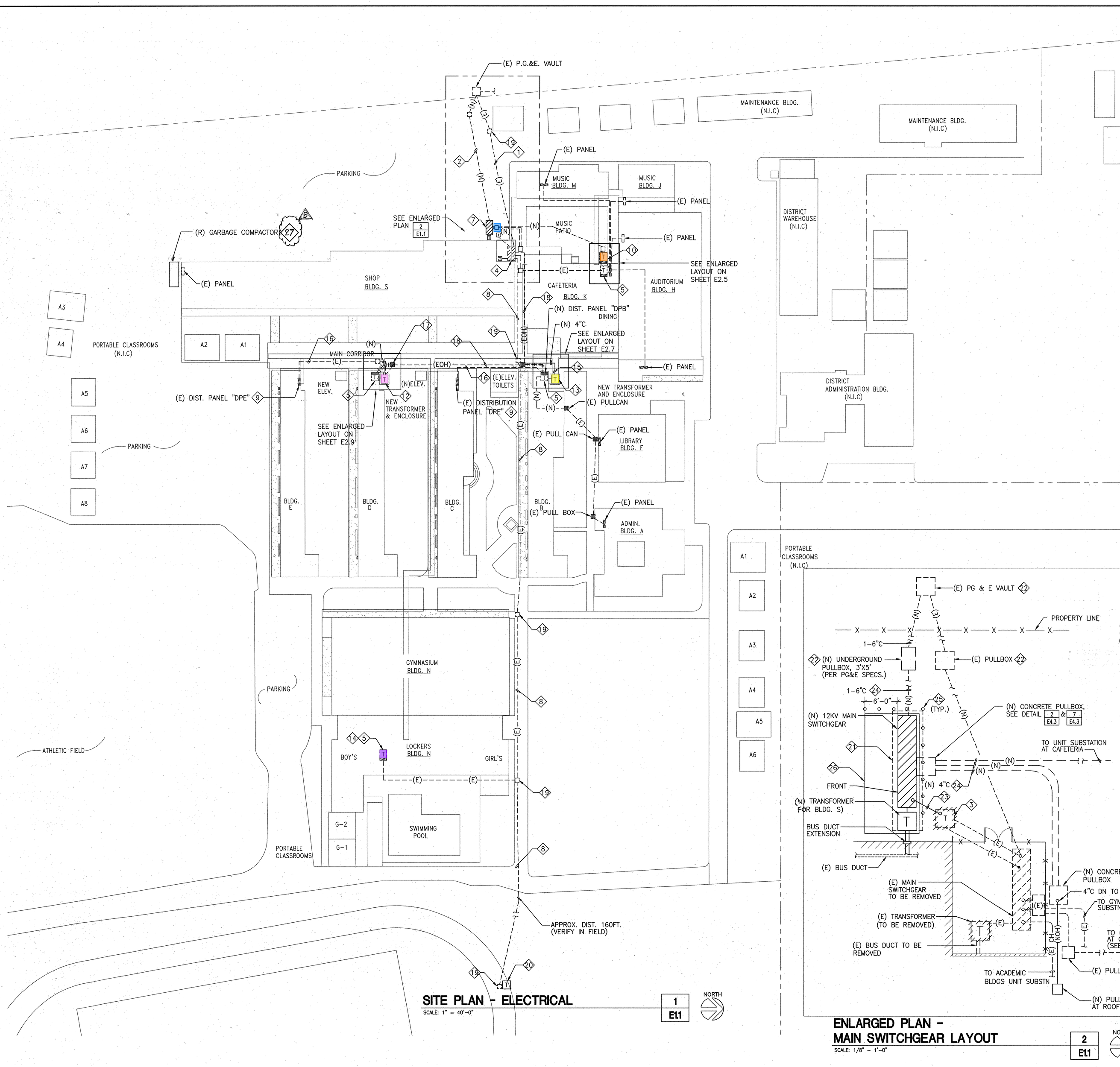








MEP 5.2
Canopy Images - Above Canopy
08/17/26



SITE PLAN - ELECTRICAL

SCALE: 1" = 40'-0"

1 / E1.1

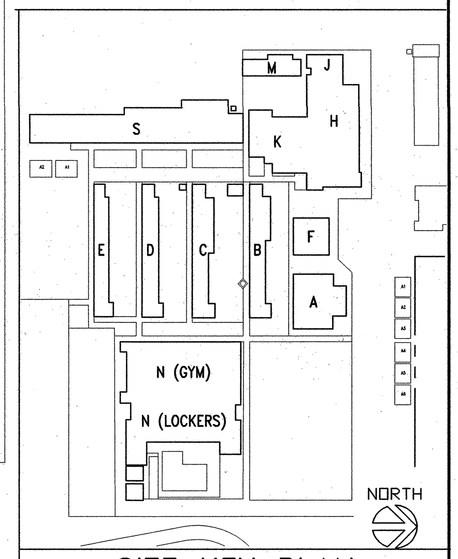
NORTH

ENLARGED PLAN - MAIN SWITCHGEAR LAYOUT

SCALE: 1/8" = 1'-0"

2 / E1.1

NORTH



SITE KEY PLAN

NORTH

SHEET NOTES

1. (E) 12 KV PRIMARY SERVICE TO BE ABANDONED OR REMOVED.
2. (N) 1-6" CONDUIT PRIMARY SERVICE TO (N) SERVICE SWITCHGEAR. COORDINATE WITH PG&E REGARDING TERMINATION.
3. (E) 12 KV-4.16 KV PAD MOUNTED TRANSFORMER TO BE REMOVED AND DISPOSED OF.
4. (E) 5 KV METERING AND SERVICE SWITCHGEAR TO BE REMOVED AND DISPOSED OF.
5. UNIT SUBSTATION TO BE REMOVED AND DISPOSED OF.
6. (N) UNIT SUBSTATION 'S'.PROVIDE (N) TRANSFORMER PAD.
7. (N) 12 KV METERING AND SWITCHGEAR. CONTRACTOR TO SECURE PG&E APPROVAL PRIOR TO EQUIPMENT PROCUREMENT.
8. REPLACE (E) 5KV CABLES WITH (N) 12KV CABLES AND RE-USE (E) CONDUIT. REFER TO DWG. E3.1 FOR CABLE SIZE.
9. (E) MAIN DIST. PANELBOARD TO REMAIN
10. (N) UNIT SUBSTATION 'K'
11. (N) UNIT SUBSTATION 'S'
12. (N) UNIT SUBSTATION 'D'
13. (N) UNIT SUBSTATION 'B'
14. (N) UNIT SUBSTATION 'N'
15. REMOVE (E) 4" C. WITH 5 KV CABLES AND REPLACE WITH (N) 4" C. (12 KV CABLES) FROM (E) PULLBOX TO NEW TRANSFORMER LOCATION.
16. (E) 5" CONDUIT WITH SECONDARY CABLES TO REMAIN.
17. INTERCEPT (E) HV FEEDER CONDUIT WITH (N) NEMA 3R PULLBOX. SIZE PULLBOX PER NEC.
18. (E) HV FEEDER ROUTED ON WALKWAY TO REMAIN EXCEPT 5 KV CABLES TO BE REPLACED WITH 12 KV CABLES. REFER TO DWG. E3.1 FOR CABLE SIZE.
19. (E) HV PULL BOX TO REMAIN.
20. INSTALL (N) 1-100KVA, 12KV-4.16KV TRANSFORMER AND RECONNECT (E) 5 KV INTERRUPTER SWITCH ON THE LOW VOLTAGE SIDE.
21. ~~(E) GARBAGE COMPACTOR AND ELECTRICAL FEED (INCLUDING HYDRAULIC PUMP) TO BE RELOCATED AT SOUTH END OF SHOP BUILDING.~~ NOT USED
22. FOR EXACT LOCATION REFER TO SITE PLAN ON SAME SHEET.
23. TEMPORARY HV LINE TO BACKFEED (E) TRANSFORMER. TO BE REMOVED AFTER COMPLETION OF CHANGEOVER.
24. SEE DETAIL 6 E4.1
25. STEEL BARRIER POST. GALVANIZED FIXED POST 4" DIA. STEEL PIPE WITH 4" DIA. END CAP GALVANIZED MALLEABLE IRON. PROVIDE REFLECTIVE SAFETY ARM DECAL. POST SHALL BE 48" MIN. HIGH WITH 32" MIN. EMBEDDMENT.
26. ~~4" HIGH CONCRETE HOUSEKEEPING PAD BY OTHERS. REFER TO DETAIL ... E4.3~~
26. 4" HIGH CONCRETE HOUSEKEEPING PAD REFER TO DETAIL 3 S3.0
27. DISTRICT WILL RELOCATE (E) COMPACTOR AND WILL PROVIDE POWER CONNECTION.

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~~SUITE~~ 300
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- ☐ ELIEZER M. NAOR AIA

LICENSED ARCHITECT LEE KARNEY C-15854 12-31-00 STATE OF CALIFORNIA

ARCHITECT'S STAMP

pola
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REGISTERED PROFESSIONAL ENGINEER PETE O. LAPID No. E3764 EXP. 06-30-01 ELECTRICAL STATE OF CALIFORNIA

CONSULTANT'S STAMP

S. S.F. HIGH SCHOOL MODERNIZATION

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
SOUTH SAN FRANCISCO, CALIFORNIA

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPL01 101035
AC ___ FLS ___ SS
RE-DATE
APR 21 1999
MAR 30 2001
AGENCY STAMP

SITE PLAN - ELECTRICAL

MEP 5.3
E1.1 - SITE PLAN ELECTRICAL
08/17/26

DATE	ISSUE	REV.
9-22-98	DRS SUBMITTAL	
3-29-01	DSA RE-SUBMITTAL	
4/4/01	REBID WITH 2	

DRAWN BY: JMB SCALE:
CHECKED BY: ACJ AS SHOWN

E1.1

JOB NO: 98021A OF SHEETS

98021A\98021A E1.1 11-99.TAP

SHEET NOTES

1. (E) 5 KV CABLES TO BE REPLACED WITH (N) 3#1/0,1#6 GND. 12 KV CABLES. IN (E) 4"C. PAINT (E) CONDUIT RED AND PROVIDE WARNING TAPE "HIGH VOLTAGE" TAPE ADHESIVE SHALL BE APPROVED FOR OUTDOOR APPLICATION.
2. (E) PULLBOX TO REMAIN. U.O.N.
3. VACUUM CIRCUIT BREAKER, WITH CAPACITOR TRIP DEVICE.
4. COORDINATE WITH PG&E FOR EXACT REQUIREMENTS.
5. (E) FEEDER TO REMAIN

(E) UTILITY VAULT
(N) 1-6"PVC (CABLES BY PG&E)
(N) UNDERGROUND PULLBOX 4
3/4"C WITH PULLWIRE
TO TEL. TERMINAL CABINET
UTILITY METER
1-6" PVC
CT PT M 3 A/S SGS
1200A 3P
15KV OUTDOOR SWITCHGEAR "MS" 600A, 15KV, 3ø, 3W, SEE DETAIL 5 E4.1.
600A 3P E30,3P 12 KV.
600A 3P E30,3P 12 KV.
600A 3P E50,3P 12 KV.
600A 3P E15,3P 12 KV.
OUTDOOR UNIT SUBSTATION 100KVA 3ø, 3W 12KV-4.16KV
150 KVA, 3ø, 3W 12 KV-120/208V. 3ø, 4W
600A 3P
INDOOR UNIT SUBSTATION "N" 600A,120/208,3ø,4W, 42 KAIC.
(E) 5KV INTERRUPTER
250A 3P | 125A 3P | 150A 3P | 125A 3P | 125A 3P | 100A 3P | 100A 3P | 50A 3P | 200A 3P | 100A 3P | 100A 3P | 100A 3P
SPACES
(TYPICAL) 5
4#1/0, 1#6 GND -2"C.
4#3/0, 1#6 GND -2 1/2"C.
4#3/0, 1#6 GND -2 1/2"C.
PANEL "BR" (ERM) | PANEL "N1" | PANEL "N2" | PANEL "N3" (ERM) | PANEL "E & "BR" (ERM) | PANEL "P1" | PANEL "P2" | (N) MCP | (N) PANEL "NA" SECT. I | (N) PANEL "NA" SECT. II | (N) LCP-1 (LTG. CONT. & DIM. PANEL)

UNIT SUBSTATION "K" SEE DETAIL 9 E4.1.
CONNECT TO NEAREST NEC CODE DEFINED ELECTRODE (TYPICAL)
DRY-TYPE 300 KVA, 3ø, 3W 12 KV-120/208V. 3ø, 4W
1000A 3P
3(4#400 MCM, 1#2/0 GND IN 3 1/2"C.)

UNIT OUTDOOR SUBSTATION "S" SEE DETAIL 9 E4.1.
SILICON-FILLED PAD MOUNTED 300 KVA, 3ø, 3W 12 KV-120/208V. 3ø, 4W TRANSFORMER
1000A 3P
(N) BUSDUCT 1000A,120/208,3ø,3W
(E) BUSDUCT 1000A,120/208,3ø,4W

WYE SPLICE REFER TO DET. 3 E4.3.
PB
FOR CONTINUATION SEE SKE-05 & SKE-12 THIS SHEET

DISTRIBUTION PANELBOARD "DPK" 1200A 120/208, 3ø,4W, 42 KAIC
200A 3P | 100A 3P | 200A 3P | SPARE | 200A 3P | SPARE | 100A 3P | 100A 3P | 100A 3P | 100A 3P | 200A 3P | 200A | 100A
SPACES
5 (TYP.)
PANEL "M2" | PANEL "L" | PANEL "E" | PANEL "E1" | PANEL "K" | PANEL "K1" | PANEL "C" | PANEL "TC" | PANEL "SB" | PANEL "BR" (ERM) | PANEL "M"

OUTDOOR UNIT SUBSTATION "D" SEE DETAIL 9 E4.1.
SILICON-FILLED PAD MOUNTED 300 KVA, 3ø, 3W 12 KV-120/208V. 3ø, 4W TRANSFORMER
1000A 3P
3(4#400 MCM, 1#2/0 GND IN 3 1/2"C.)
DISTRIBUTION PANEL "DPD" 1200A,120/208, 3ø, 4W, 42 KAIC
400A 3P | 125A 3P | 125A 3P | 150A 3P | 125A 3P | 100A 3P | 100A 3P | 100A 3P
SPACE
(TYPICAL) 5
3#1/0,1#6, GND.-2"C.
DIST. PANEL "DPE" (ERM) | PANEL "A"&"C" | PANEL "B"&"D" | PANEL "GPA" (ERM)
(N) ELEVATOR SEE DWG. E2.9

OUTDOOR UNIT SUBSTATION "B" SEE DETAIL 9 E4.1.
SILICON-FILLED PAD MOUNTED 300 KVA, 3ø, 3W 12 KV-120/208V. 3ø, 4W TRANSFORMER
1000A 3P
3(4#400 MCM, 1#2/0 GND IN 3 1/2"C.)
DISTRIBUTION PANEL "DPB" 1200A,120/208, 3ø, 4W, 42 KAIC
500A 3P | 175A 3P | 175A 3P | 200A 3P | 175A 3P | 150A 3P | 150A 3P | 125A 3P | 100A 3P | 100A 3P | 100A 3P
SPACE
(TYPICAL) 5
3# 1/0, 1#6, GND.-2"C
DIST. PANEL "DPC" (ERM) | ADM. OFFICE "PANEL" | LIBRARY "PANEL" | PANEL "3A" & "3C" | PANEL "3B" & "3D" | PANEL "3PA" (ERM) | PANEL "BH" (ERM)
SEE SH. E2.8 | SEE SH. E2.1 | SEE SH. E2.2
(N) ELEVATOR SEE DWG. E2.10

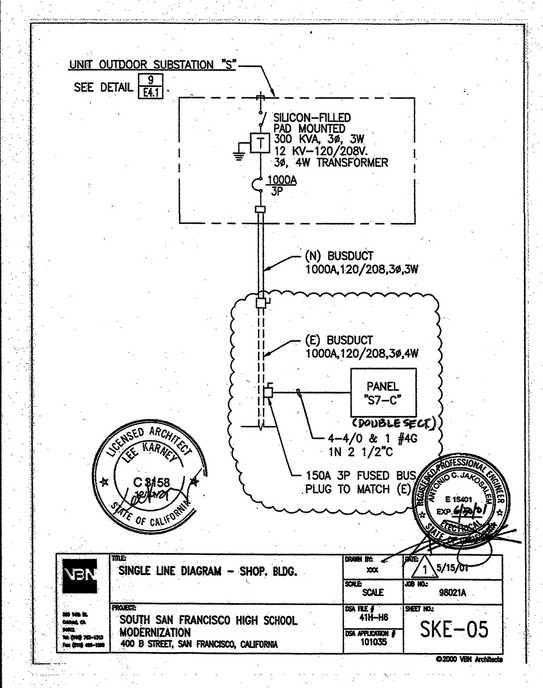
NOTE: ALL PANELS ARE (E) TO BE REPLACED, U.O.N.

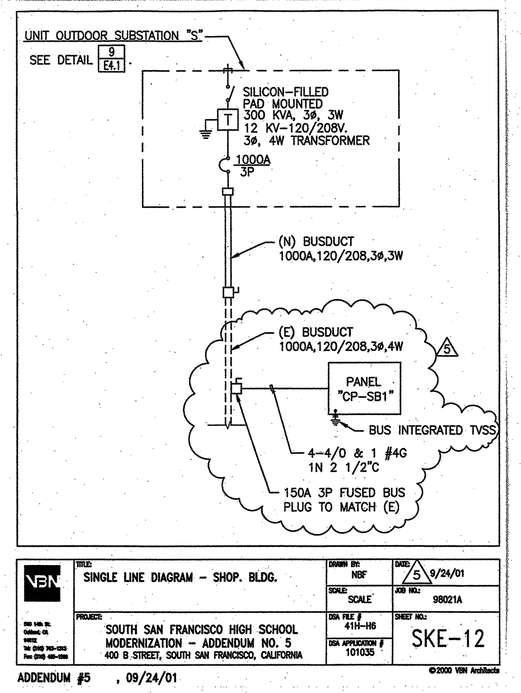
SINGLE LINE DIAGRAM

NOT TO SCALE

NOTE: REPLACE ALL (E) PANELS WITH (N) OF THE SAME RATING AND NUMBER OF POLES U.O.N. PANEL TO REMAIN AS IS OR RELOCATED.

1 / E3.1





ADDENDUM #5 , 09/24/01

98034\80345E31\9-18-98\JMB

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REGISTERED PROFESSIONAL ENGINEER PETE G. LAPP No. E9154 EXP. 06-30-01 ELECTRICAL STATE OF CALIFORNIA

CONSULTANT'S STAMP

S. S.F. HIGH SCHOOL MODERNIZATION

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
SOUTH SAN FRANCISCO, CALIFORNIA

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT
APPL.01 101035
AC FLS SS
RE-DATE
APR 21 1999
AGENCY STAMP MAR 30 2001

SINGLE LINE DIAGRAM AND SUBSTATION PLAN

DATE	ISSUE	REV.
9-22-98	ORS SUBMITTAL	
3-29-01	DSA RE-SUBMITTAL	
5-15-01	ADDENDUM #1, #101035	
11/1/01	REBID WITH 2	

DRAWN BY: JMB SCALE:
CHECKED BY: JNP NONE

E3.1

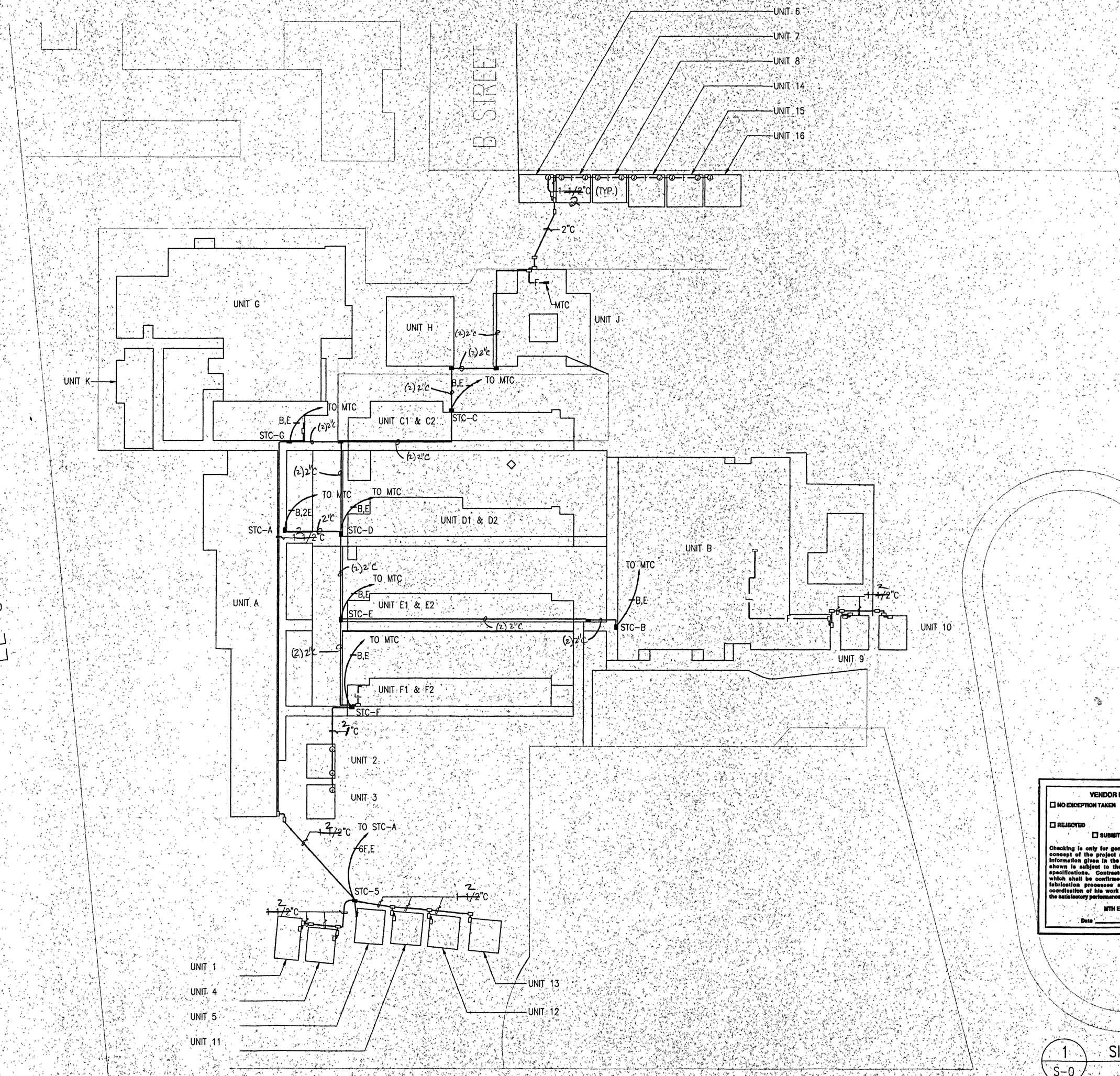
JOB NO: 98021A OF SHEETS 11

MEP 5.4
E3.1 - SINGLE LINE DIAGRAM AND SUBSTATION PLAN
08/17/26



MEP 5.5
SWITCH GEAR IMAGE
08/17/26

SOUTH SAN FRANCISCO HIGH SCHOOL
SOUTH SAN FRANCISCO SCHOOL DISTRICT
INTERCOM SYSTEM



VENDOR DRAWING REVIEW

☐ NO EXCEPTION TAKEN ☒ MAKE CORRECTIONS NOTED
☐ REJECTED ☐ REVISE AND RESUBMIT
☐ SUBMIT SPECIFIED ITEM

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any notes shown is subject to the requirements of the plans and specifications. Contractor is responsible for: dimensions which shall be confirmed and correlated at the job site; fabrication processes and techniques of construction; coordination of his work with that of all other trades; and the satisfactory performance of his work.

MTH ENGINEERS, INC.

Date _____ By JA

1 / S-0 SITE PLAN

CABLE SCHEDULE
A = WEST PENN 290 1 PR. 22 GA. SHIELDED
B = GENERAL 752569 25PR./22GA. SHIELDED, FLOODED
C = WEST PENN 355 2PR/22GA - (1PR. SHIELDED)
D = 3-14GA. THHN STRANDED (CLOCK) (BLK, RED, WHT)
E = 3-12GA. THHN STRANDED (CLOCK U.G.) (BLK, RED, WHT)
F = WEST PENN AQC 351 1PR./22GA. SHIELDED (SPEAKER U.G.)

DEVICE LEGEND
CKSP – COMBINATION CLOCK/SPEAKER
LOWELL – PC-712 / BP700-N BACKBOX AND BAFFLE
QUAM – BCSPAX/TBLU SPEAKER
NATIONAL – 030 – 12EX-LL CLOCK
SPW – SPEAKER – WEATHERPROOF AND VANDAL PROOF
ATLAS SOUNDOLIER – L20-213/BACKBOX
– APF-15T/HORN
– VP161-APF/VANDAL PROOF BAFFLE
▷ – ADMIN PHONE
RAULAND – TC4204 PHONE
RAULAND – TC4221 DISPLAY

DRAWING INDEX
S-0 – SITE PLAN
S-11 – TYPICAL DEVICES AND RISER DIAGRAM

MEP 5.6
S1.0 - INTERCOM SYSTEM
SITE PLAN
08/17/26

PACIFIC Data Rec'd. _____ Date Sent _____ Project No. _____ No. _____

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NO	DATE	REVISION	APPROVED
1			
2			
3			
4			
5			
6			
7			

ceitronics™
INFORMATION DELIVERY SYSTEMS
775 COMMERCIAL STREET
SAN JOSE, CA 95112
PHONE (408) 452-5000
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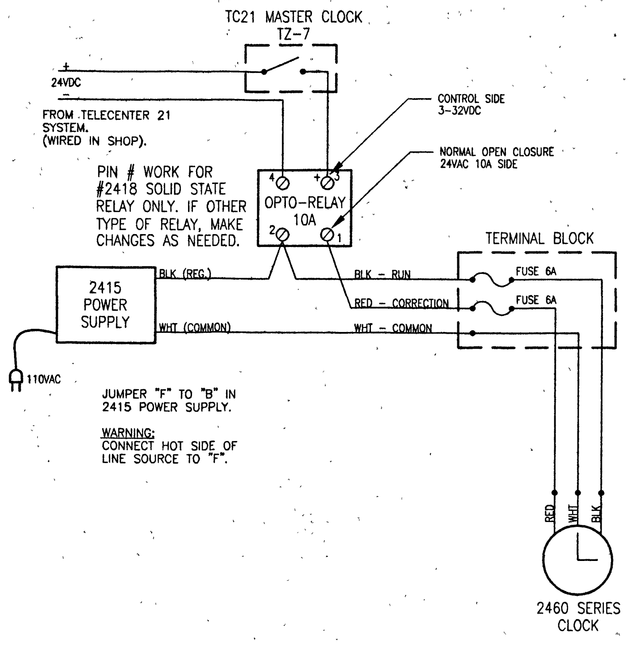
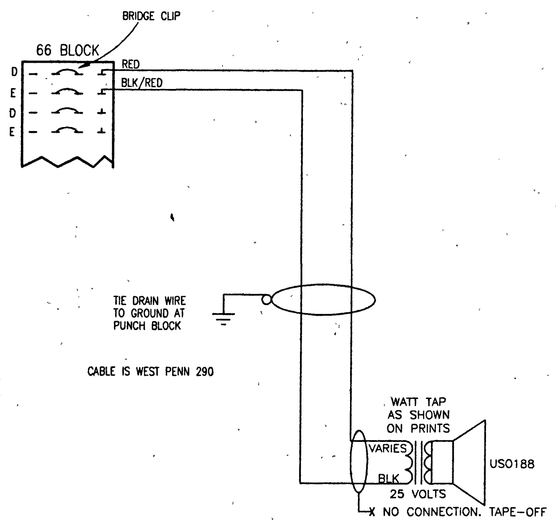
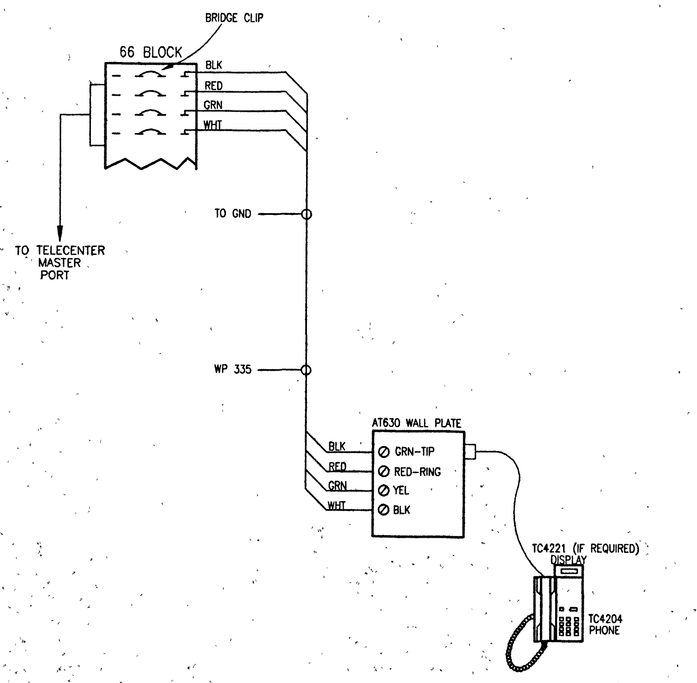
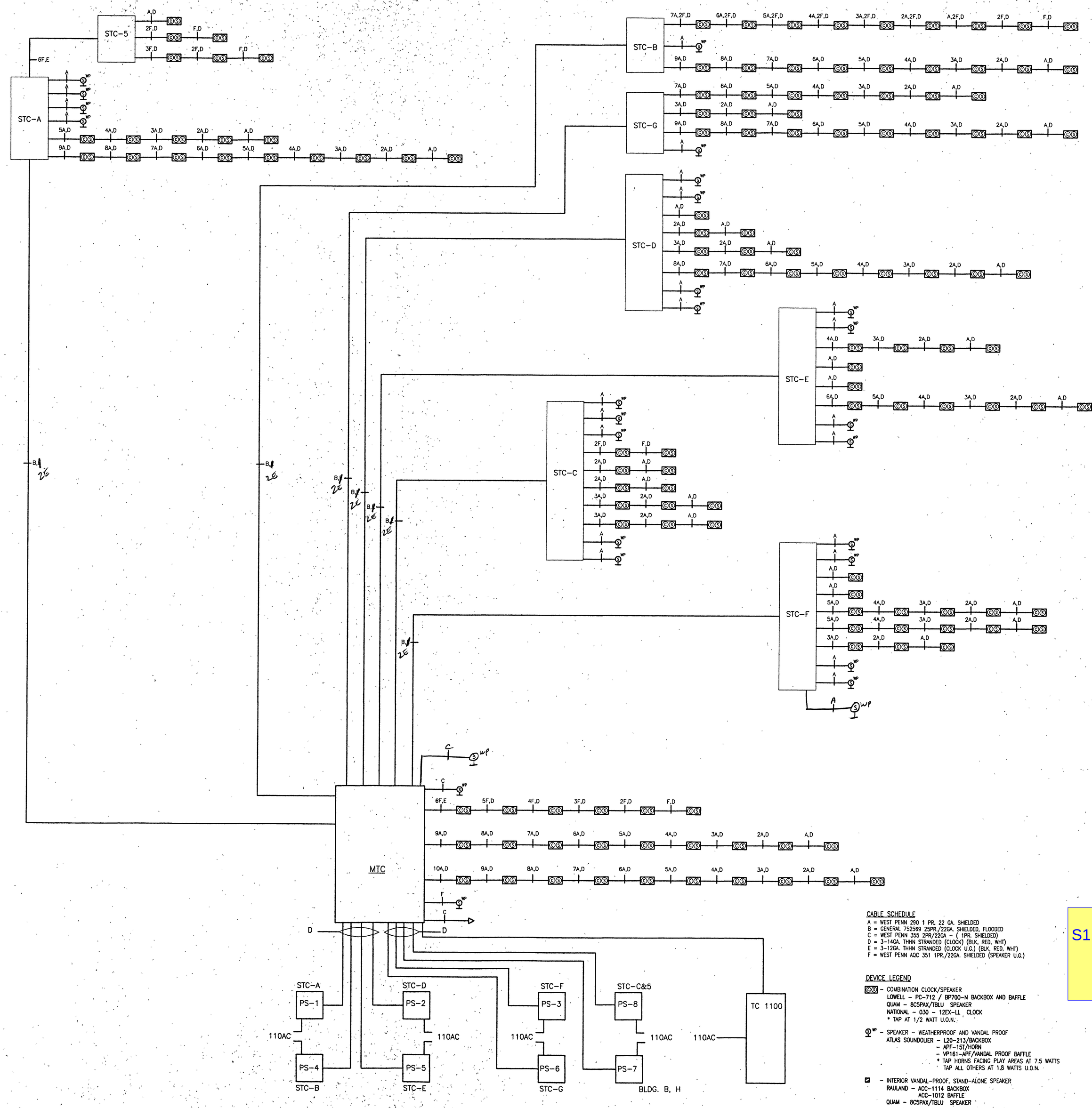
SOUTH SAN FRANCISCO HIGH SCHOOL
SOUTH SAN FRANCISCO SCHOOL DISTRICT
INTERCOM SYSTEM
TITLE PAGE, SITE PLAN

JOB NO. 98-4626
DRAWING NO.
DESIGNED JA DATE 11/17/98
DRAFTED SS 11/17/98
CHECKED
FILE NAME: SSFH-4626-S0
SCALE 1" = 300'
REVISION NO.
SHEET S-0









CABLE SCHEDULE
A = WEST PENN 290 1 PR, 22 GA. SHIELDED
B = GENERAL 752569 25PR./22GA. SHIELDED, FLOODED
C = WEST PENN 355 2PR/22GA - (1PR. SHIELDED)
D = 3-14GA. THHN STRANDED (CLOCK) (BLK, RED, WHT)
E = 3-12GA. THHN STRANDED (CLOCK U.G.) (BLK, RED, WHT)
F = WEST PENN AQC 351 1PR./22GA. SHIELDED (SPEAKER U.G.)

DEVICE LEGEND
- COMBINATION CLOCK/SPEAKER
  LOWELL - PC-712 / BP700-N BACKBOX AND BAFFLE
  QUAM - 8C5PAX/TBLU SPEAKER
  NATIONAL - 030 - 12EX-LL CLOCK
  * TAP AT 1/2 WATT U.O.N.
- SPEAKER - WEATHERPROOF AND VANDAL PROOF
  ATLAS SOUNDOLIER - L20-213/BACKBOX
  - APF-151/HORN
  - VP181-APF/VANDAL PROOF BAFFLE
  * TAP HORNS FACING PLAY AREAS AT 7.5 WATTS
  TAP ALL OTHERS AT 1.8 WATTS U.O.N.
- INTERIOR VANDAL-PROOF, STAND-ALONE SPEAKER
  RAULAND - ACC-1114 BACKBOX
  ACC-1012 BAFFLE
  QUAM - 8C5PAX/TBLU SPEAKER
- ADMIN PHONE
  RAULAND - TC4204 PHONE
  RAULAND - TC4221 DISPLAY

1 S-11 CLOCK AND SIGNAL PLAN - RISER AND TYPICAL DIAGRAMS

NO.	DATE	REVISION	APPROVED
1			
2			
3			
4			
5			
6			
7			

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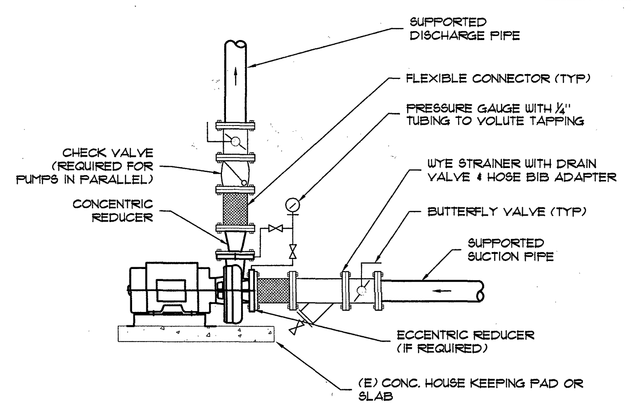
SOUTH SAN FRANCISCO HIGH SCHOOL
SOUTH SAN FRANCISCO SCHOOL DISTRICT
CLOCK AND SIGNAL PLAN
RISER AND TYPICAL DIAGRAMS

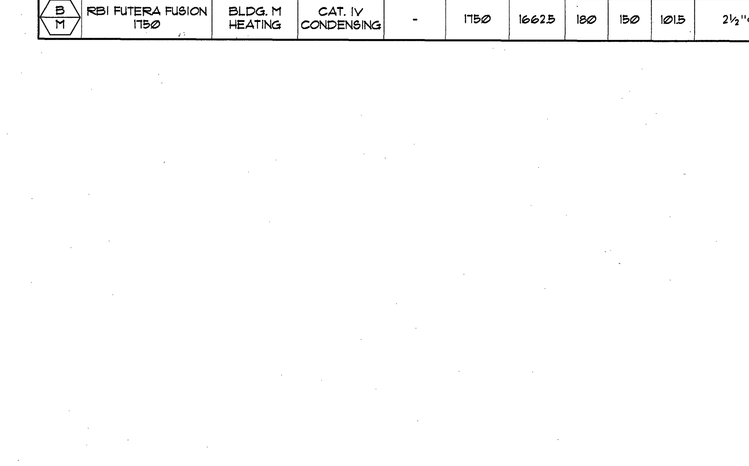
MEP 5.7
S1.11 - SIGNAL PLAN
RISER AND TYP
DIAGRAMS
08/17/26

JOB NO. 98-4626
DRAWING NO.
DESIGNED JA DATE 12/14/98
DRAFTED SS
CHECKED
FILE NAME. SSFH-4626-S11
SCALE NTS
REVISION NO.
SHEET S-11



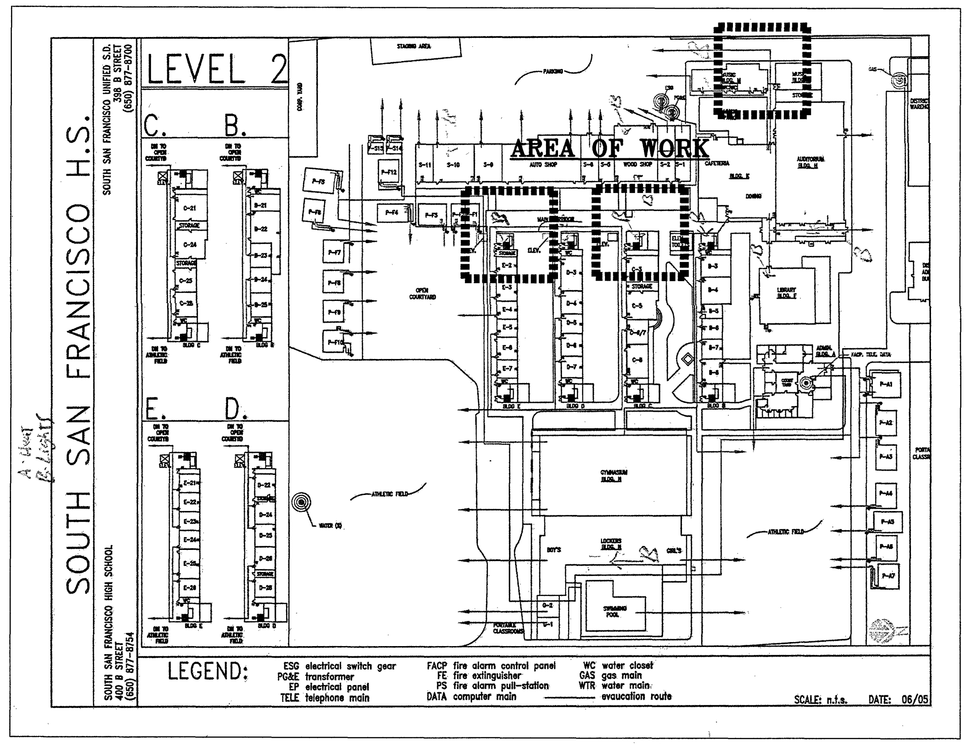
NOTES:
1. NO PIPING SHALL BE SUPPORTED BY PUMP. FLEXIBLE CONNECTIONS SHALL NOT BE COMPRESSED OR STRESSED BY WEIGHT OF PIPE OR MISALIGNED PIPING.
2. IN GROOVED PIPING SYSTEMS, THREE VICTAULIC 77 COUPLINGS ARE USED INSTEAD OF FLEXIBLE CONNECTORS.
3. SELECT PRESSURE GAUGE WITH RANGE 30% MIN. HIGHER THAN DISCHARGE PRESSURE.

CLOSE-COUPLED PUMP WITH STRAIGHT SUCTION 1



NOTE: ½" HILTI KB-TZ ANCHOR ICC # ESR-1976
3¼" MIN EMBED(TYP 4)-1 EA CORNER

BOILER MOUNTING 2



SITE PLAN

PIPING LEGEND

SYMBOL	DESCRIPTION
	CHECK VALVE
	BALL VALVE
	BUTTERFLY VALVE
	BALANCING VALVE
	WYE STRAINER
	ISOLATION VALVE
3M	3-WAY MOTORIZED VALVE
2M	2-WAY MOTORIZED VALVE
	PETES PLUG
	AIR VENT
	PRESSURE REGULATOR
	RELIEF VALVE
	UNION
	THERMOMETER
TS	SENSOR
	FLEX COUPLING
	TEE
	ELL
	REDUCER
	WELL
	P.O.C. POINT OF CONNECTION
	P.O.D. POINT OF DEMOLITION
	POWER CONNECTION
	GAS CONNECTION
	CONDENSATE DRAIN
FS	FLOW SENSOR

ABBREVIATIONS

ABBREV.	DESCRIPTION
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
HHWS	HOT WATER SUPPLY
HHWR	HOT WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
D.D.C.	DIRECT DIGITAL CONTROL
D.P.S.	DIFFERENTIAL PRESSURE SWITCH
LN2	LIQUID N2
M.C.C.	MOTOR CONTROL CENTER
U.O.N.	UNLESS OTHERWISE NOTED
SCHWS	SECONDARY CHILLED WATER SUPPLY
SCHWR	SECONDARY CHILLED WATER RETURN
S.T.	STORAGE TANK
V.F.D.	VARIABLE FREQUENCY DRIVE
DHWH	DOMESTIC HOT WATER HEATER
DHW	DOMESTIC HOT WATER
NC	NORMALLY CLOSED
R.P.B.P.	REDUCED PRESSURE BACKFLOW PREVENTION
SOV	SHUT OFF VALVE
MUW	MAKE UP WATER
NG	NATURAL GAS
PRV	PRESSURE RELIEF VALVE
CV	CONTROL VALVE
#	#
#	#
#	#
#	#

SHEET INDEX

M 0.1	DRAWING SCHEDULE, TITLE 24, LEGENDS AND NOTES
M 2.1	MECHANICAL FIRST FLOOR PLAN
M 4.1C	BUILDING C PIPING DIAGRAMS
M 4.1E	BUILDING E PIPING DIAGRAMS
M 4.1M	BUILDING M PIPING DIAGRAMS

SCOPE OF WORK

REPLACE THREE EXISTING BOILERS WITH NEW HIGH EFFICIENCY, LOW EMISSION GAS BOILERS.

APPLICABLE CODES

CALIFORNIA BUILDING CODE	2010 ED.
CALIFORNIA FIRE CODE	2010 ED.
CALIFORNIA MECHANICAL CODE	2010 ED.
CALIFORNIA PLUMBING CODE	2010 ED.
CALIFORNIA ELECTRICAL CODE	2010 ED.
CALIFORNIA ENERGY STANDARDS	2008 ED.
CAL GREEN CODE	2010 ED.

TABLE NO.1-G
PIPE INSULATION THICKNESS

123(a) TABLE NO. 1-G

FLUID TEMPERATURE RANGE	CONDUCTIVITY RANGE (IN BTU INCH PER HOUR PER SQUARE FOOT PER °F	INSULATION MEAN RATING TEMPERATURE	NOMINAL PIPE DIAMETER (IN INCHES)					
			RUNOUTS UP TO 2	1 AND LESS	1.25 - 2	2.50 - 4	5 - 6	8 AND LARGER
HEATING SYSTEMS (STEAM, STEAM CONDENSATE AND HOT WATER)			INSULATION THICKNESS REQUIRED (IN INCHES)					
ABOVE 350	Ø.32 - Ø.34	250	1.5	2.5	2.5	3.0	3.5	3.5
251-350	Ø.29 - Ø.31	200	1.5	2.0	2.5	2.5	3.5	3.5
201-250	Ø.27 - Ø.30	150	1.0	1.5	1.5	2.0	2.0	3.5
141-200	Ø.25 - Ø.29	125	Ø.5	1.5	1.5	1.5	1.5	1.5
105-140	Ø.24 - Ø.28	100	Ø.5	1.0	1.0	1.0	1.5	1.5
SERVICE WATER HEATING SYSTEMS (RECIRCULATING SECTIONS, ALL PIPING IN ELECTRIC TAPE SYSTEMS, AND THE FIRST 8 FEET OF PIPING FROM THE STORAGE TANK FOR NON-RECIRCULATING SYSTEMS)								
ABOVE 105	Ø.24 - Ø.28	100	Ø.5	1.0	1.0	1.5	1.5	1.5
COOLING SYSTEMS (CHILLED WATER, REFRIGERANT, AND BRINE)								
40-60	Ø.23 - Ø.27	75	Ø.5	Ø.5	Ø.5	1.0	1.0	1.0
BELOW 40	Ø.23 - Ø.27	75	1.0	1.0	1.5	1.5	1.5	1.5

PIPE SYSTEM SCHEDULE

PIPE SYSTEM	SERVING EQUIPMENT	SIZE (IN.)	DESIGN PRESSURE (FT. OF H_2O)	TEMPERATURE RANGE (°F)	JOINING SYSTEM	MATERIAL	INSULATION SEE TABLE NO 1-G IF REQ.	REMARKS
HEATING HOT WATER	B-1, HHWP-1,	≤ 4"	80	140-180	SOLDERED	TYPE L COPPER	YES	-
HEATING HOT WATER	B-1, HHWP-1,	> 4"	80	140-180	GROOVED	STEEL	YES	-
BOILER CONDENSATE	B-C,E, & M	≤ 1 1/2"	N/A	<140	GLUED	SCHED 80 PVC	NO	(E) FLOOR DRAIN THRU ACID NEUTRALIZER
NATURAL GAS	B-1	≤ 3"	23	<140	SCREWED	SCHED 40 STEEL	NO	-

PUMP SCHEDULE

NO	MANUFACTURER & MODEL NO	SERVICE	TYPE	GPM	HEAD (FT)	NPSH	RPM	BHP	HP	EFF	V/PH/HZ	OPER WGT LBS	REMARKS & FURNISHED OPTIONS
HHWP C	B & G SERIES 1531-1½BC	BLDG C HEATING	CLOSE COUPLED SECONDARY	100	50	6.4	1750	2.51	3	56.88	208V/3Ø/60	220	PREMIUM EFFICIENCY ODP MOTOR, STANDARD SEALS, BRONZE FITTED
HHWP E	B & G SERIES 1531-1½BC	BLDG E HEATING	CLOSE COUPLED SECONDARY	100	50	6.4	1750	2.51	3	56.88	208V/3Ø/60	220	PREMIUM EFFICIENCY ODP MOTOR, STANDARD SEALS, BRONZE FITTED
HHWP M	B & G SERIES 1531-1½BC	BLDG M HEATING	CLOSE COUPLED SECONDARY	108	50	6.8	1750	2.66	5	56.38	208V/3Ø/60	220	PREMIUM EFFICIENCY ODP MOTOR, STANDARD SEALS, BRONZE FITTED

EXPANSION TANK SCHEDULE

NO.	MANUFACTURER & MODEL NO.	TYPE	SERVICE	PRESSURE PSIG				VOL GALS		SIZE	OPER WGT (LBS)	REMARKS
				PRE-CHARGE	FILL	RELIEF	MAX	TOTAL	ACC			
ET C	WESSELS NLA-85	REPLACABLE BLADDER	HOT WATER	12	10	75	125	35	13	16"Ø X 37"L	-	ACCEPTANCE VOLUME CALCULATED BASED ON PRECHARGE AND RELIEF PRESSURES, TANK IS FULL ACCEPTANCE TYPE WITH REPLACABLE BLADDER
ET E	WESSELS NLA-85	REPLACABLE BLADDER	HOT WATER	12	10	75	125	35	13	16"Ø X 37"L	-	ACCEPTANCE VOLUME CALCULATED BASED ON PRECHARGE AND RELIEF PRESSURES, TANK IS FULL ACCEPTANCE TYPE WITH REPLACABLE BLADDER
ET M	WESSELS NLA-85	REPLACABLE BLADDER	HOT WATER	12	10	75	125	35	13	16"Ø X 37"L	-	ACCEPTANCE VOLUME CALCULATED BASED ON PRECHARGE AND RELIEF PRESSURES, TANK IS FULL ACCEPTANCE TYPE WITH REPLACABLE BLADDER

BOILER SCHEDULE

NO	MANUFACTURER & MODEL NO	SERVICE	TYPE	CAPACITY (MBH)			LWT °F	EWT °F	GPM	WATER CONN	EFF %	FUEL	GAS CONN	GAS PRESS		WATER PRESS		BOILER FLUE			ELECTRICAL DATA			OPER WGT LBS	REMARKS & FURNISHED OPTIONS
				CALC	INPUT	OUTPUT								MAX	MIN	MAX	DP	CATEGORY	MATERIAL	SIZE	FLA	MOCP	V/PH/HZ		
B C	RBI FUTERA FUSION 1150	BLDG. C HEATING	CAT. IV CONDENSING	-	1150	1662.5	180	150	101.5	2½"Ø	88	NAT. GAS	1½"Ø	14	2	-	-	CAT IV	AL 29-4C	10"Ø	21	-	120V/1Ø/60	1200	100 PSI ASME VESSEL, 75 PSI PRV, LOW NOX, 4:1 MODULATING BURNER WITH VFD, INTEGRAL CIRCULATING PUMP, NEUTRALIZER KIT, ELECTRONIC IGNITION, PRIMARY PUMP, AND CSD1 SAFETY CONTROL.
B E	RBI FUTERA FUSION 1150	BLDG. E HEATING	CAT. IV CONDENSING	-	1150	1662.5	180	150	101.5	2½"Ø	88	NAT. GAS	1½"Ø	14	2	-	-	CAT IV	AL 29-4C	10"Ø	21	-	120V/1Ø/60	1200	100 PSI ASME VESSEL, 75 PSI PRV, LOW NOX, 4:1 MODULATING BURNER WITH VFD, INTEGRAL CIRCULATING PUMP, NEUTRALIZER KIT, ELECTRONIC IGNITION, PRIMARY PUMP, AND CSD1 SAFETY CONTROL.
B M	RBI FUTERA FUSION 1150	BLDG. M HEATING	CAT. IV CONDENSING	-	1150	1662.5	180	150	101.5	2½"Ø	88	NAT. GAS	1½"Ø	14	2	-	-	CAT IV	AL 29-4C	10"Ø	21	-	120V/1Ø/60	1200	100 PSI ASME VESSEL, 75 PSI PRV, LOW NOX, 4:1 MODULATING BURNER WITH VFD, INTEGRAL CIRCULATING PUMP, NEUTRALIZER KIT, ELECTRONIC IGNITION, PRIMARY PUMP, AND CSD1 SAFETY CONTROL.

PROJECT

SOUTH SAN FRANCISCO HIGH SCHOOL BOILERS

400 B STREET
SOUTH SAN FRANCISCO, CA 94080

WESTERN ALLIED MECHANICAL
STATE CONTRACTORS LICENSE NO. 826782
MECHANICAL CONTRACTORS

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NO.	DESCRIPTION	BY	DATE
-	ITP	KAJ	Ø1/20/2011
-	RECORD SET	KB	Ø8/12/2011

MEP 5.8
M-0.1 - DRAWING SCHEDULE 08/17/26

DRAWN BY: KAJ
CHECKED BY: PK

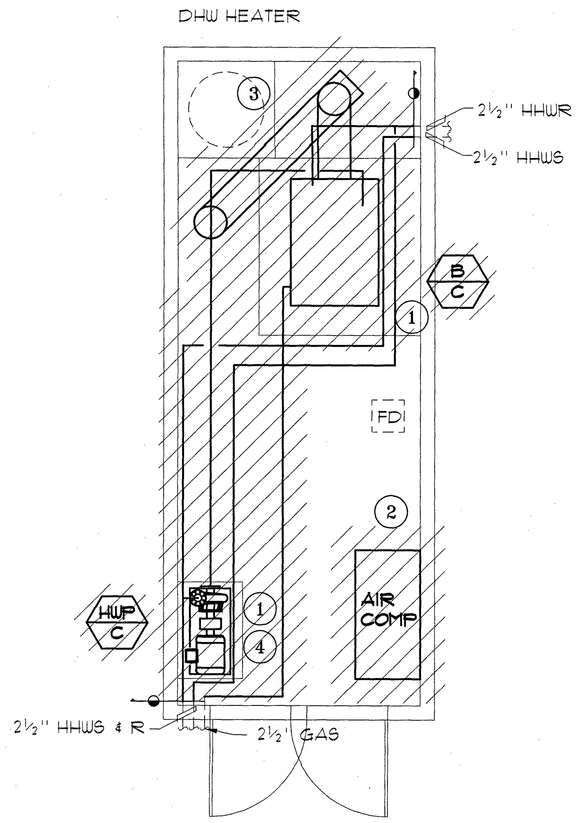
PROJECT NO: 141123
SCALE: AS NOTED

SHEET TITLE:
DRAWING SCHEDULE, DETAILS, LEGENDS & NOTES

SHEET NO:
M-0.1
2 OF * SHEETS

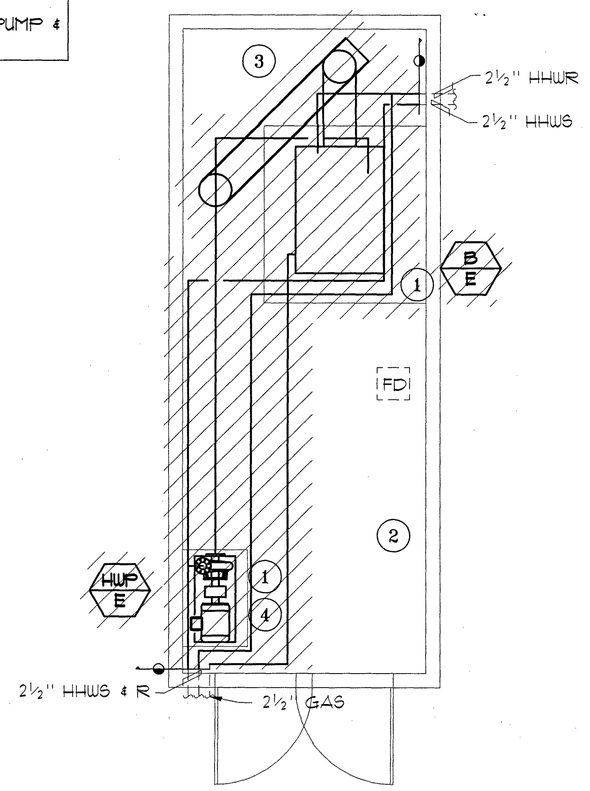
PLOTTED BY: JCAMACHO ON Aug 23, 2011 AT 1:32pm

NOTES:
1. EXISTING CONCRETE HOUSEKEEPING PAD TO REMAIN
2. DEMO EXPANSION TANK
3. REMOVE EXISTING BOILER AND FLUE
4. REMOVE SECONDARY HHW PUMP & TRIM PIPING



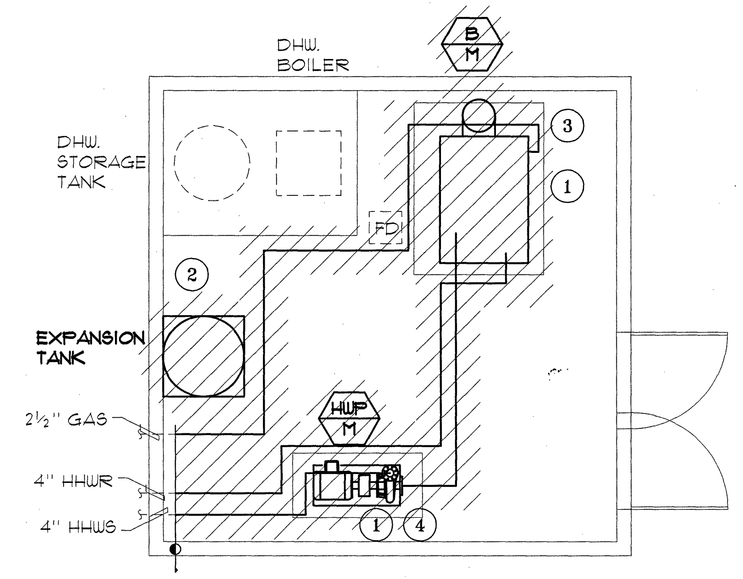
BUILDING C

NOTES:
1. EXISTING CONCRETE HOUSEKEEPING PAD TO REMAIN
2. DEMO EXPANSION TANK
3. REMOVE EXISTING BOILER AND FLUE
4. REMOVE SECONDARY HHW PUMP & TRIM PIPING



BUILDING E

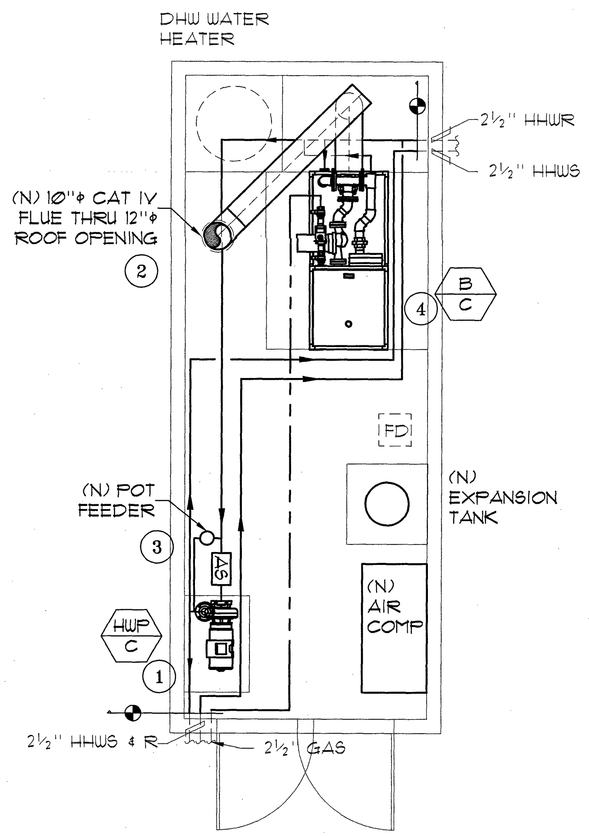
NOTES:
1. EXISTING CONCRETE HOUSEKEEPING PAD TO REMAIN
2. DEMO EXPANSION TANK
3. REMOVE EXISTING BOILER AND FLUE
4. REMOVE SECONDARY HHW PUMP & TRIM PIPING



BUILDING M

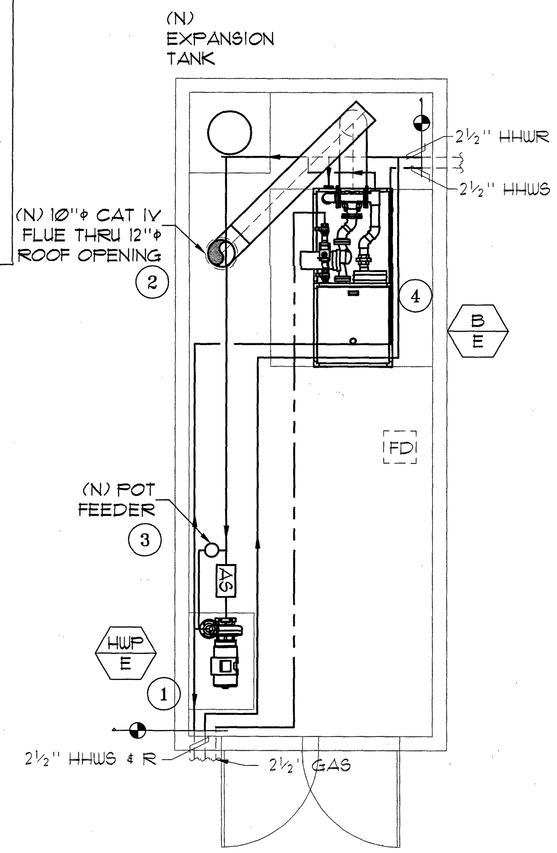
2 BOILER ROOM DEMOLITION PLANS
SCALE: 3/8"=1'-Ø"

NOTES:
1. (N) CLOSED COUPLED PUMP MOUNTED ON EXISTING CONCRETE PAD
2. (N) FLUE THRU (E) ROOF OPENING CAT IV 10"ϕ
3. (N) CHEMICAL BYPASS POT FEEDER
4. ANCHOR (N) BOILER TO (E) CONCRETE PAD, SEE DETAIL 2 ON MØ.1



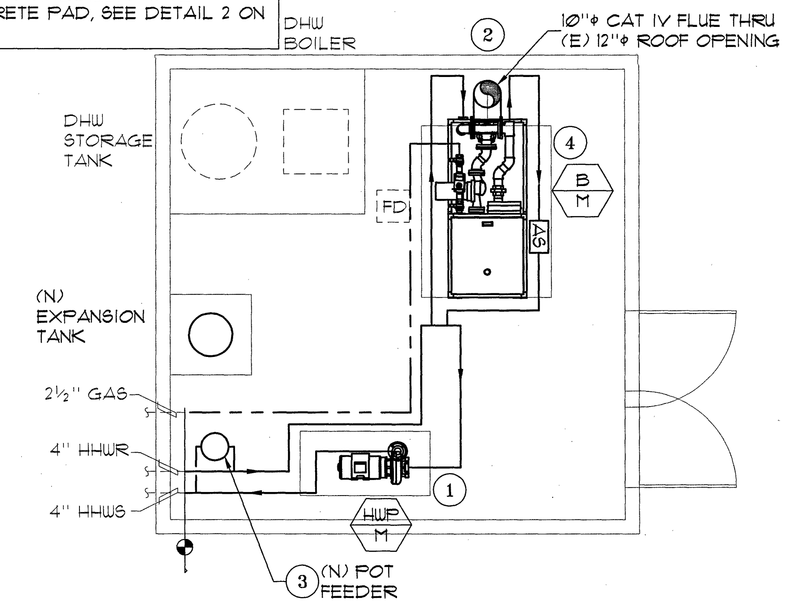
BUILDING C

NOTES:
1. (N) CLOSED COUPLED PUMP MOUNTED ON EXISTING CONCRETE PAD
2. (N) FLUE THRU (E) ROOF OPENING CAT IV 10"ϕ
3. (N) CHEMICAL BYPASS POT FEEDER
4. ANCHOR (N) BOILER TO (E) CONCRETE PAD, SEE DETAIL 2 ON MØ.1



BUILDING E

NOTES:
1. (N) CLOSED COUPLED PUMP MOUNTED ON EXISTING CONCRETE PAD
2. (N) FLUE THRU (E) ROOF OPENING CAT IV 10"ϕ
3. (N) CHEMICAL BYPASS POT FEEDER
4. ANCHOR (N) BOILER TO (E) CONCRETE PAD, SEE DETAIL 2 ON MØ.1



BUILDING M

1 BOILER ROON NEW CONSTRUCTION PLAN
SCALE: 3/8"=1'-Ø"

PROJECT

SOUTH SAN FRANCISCO HIGH SCHOOL BOILERS

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-	RECORD SET	KB	Ø8/12/2011

MEP 5.9
M-2.1 - BLDG C, E & M BOILER ROOMS
08/17/26

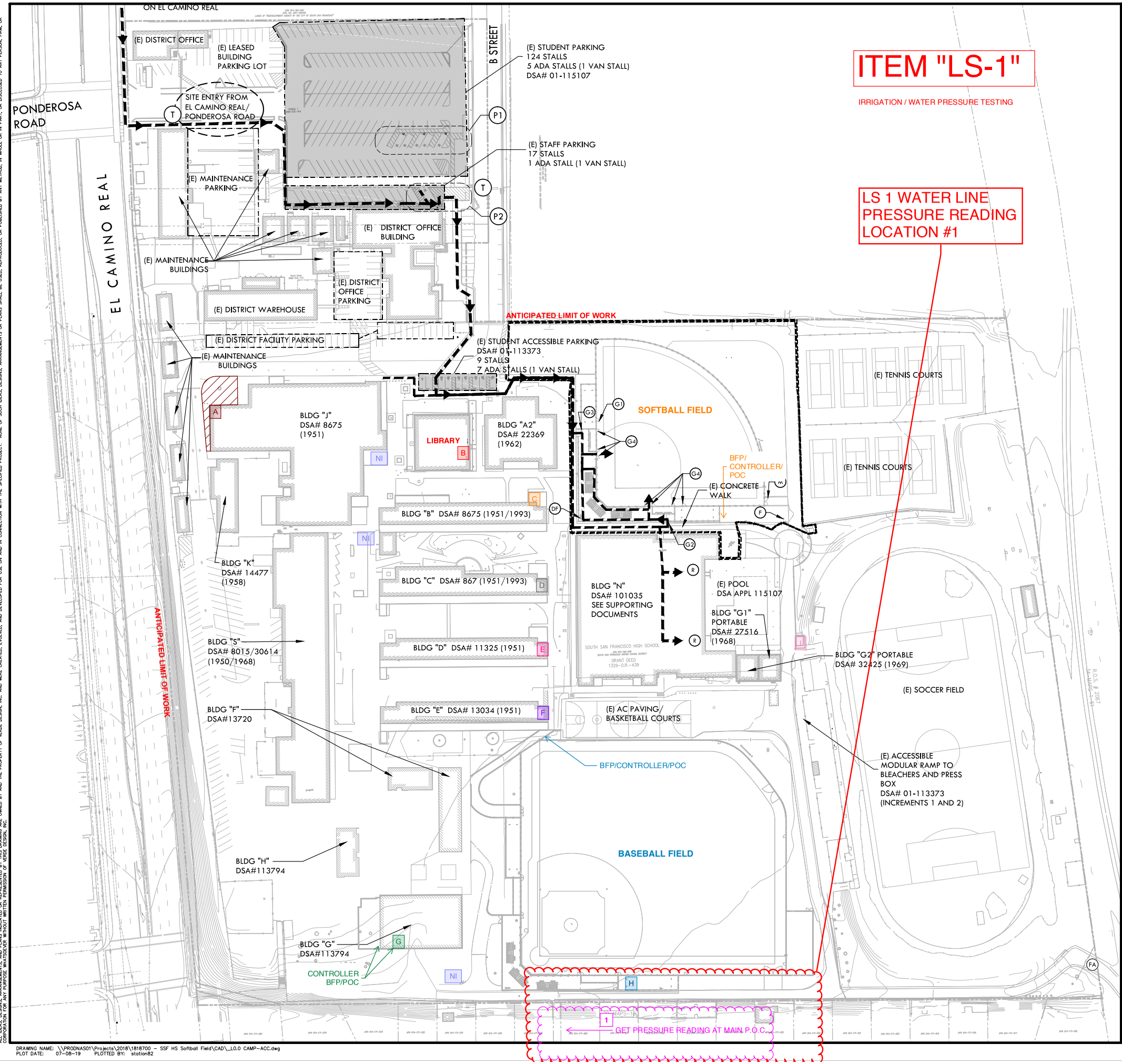
DRAWN BY: KAJ
CHECKED BY: PK

PROJECT NO: 141123
SCALE: AS NOTED

SHEET TITLE:
BUILDINGS C,E, & M BOILER ROOMS FLOOR PLAN

SHEET NO:
M2.1
OF * SHEETS

PLOTTED BY: - JCANACHO ON Aug 23, 2011 AT 1:32pm



ACCESSIBILITY NOTES

A. PATH OF TRAVEL - ALL EXISTING PEDESTRIAN ROUTES INDICATED AS AN ACCESSIBLE PATH OF TRAVEL HAVE BEEN VERIFIED BY THE LANDSCAPE ARCHITECT TO COMPLY WITH THE FOLLOWING, OR THE REMEDIAL WORK NEEDED TO COMPLY WITH THE FOLLOWING IS SHOWN IN THESE DOCUMENTS:

- AT LEAST 48" IN WIDTH, OR AS APPROVED BY CODE.
- WITHOUT ABRUPT LEVEL CHANGES EXCEEDING ¼" IF BEVELED AT 1:2 MAXIMUM SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING ½".
- WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE.
- WITH A RUNNING SLOPE OF 1:20 OR LESS, UNLESS OTHERWISE INDICATED, AND A CROSS SLOPE OF 1:48 (¼" / FT.) OR LESS.
- IS FREE FROM OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE; AND
- IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE.

B. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO MODIFY THE FACILITY FOR ACCESSIBILITY IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP THAT ARE NOT COVERED BY THE CONTRACT DOCUMENTS SUCH THAT THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, A CONSTRUCTION CHANGE DIRECTIVE (CCD) DETAILING AND SPECIFYING THE WORK REQUIRED TO BRING CONDITIONS INTO COMPLIANCE WITH TITLE 24 SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.

C. ALL EXISTING AND PROPOSED GATES SHALL HAVE BREAKAWAY LOCKS INSTALLED.

D. **"DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT**: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR **PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS.** AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

E. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

ACCESSIBILITY LEGEND

SYM	DESCRIPTION	DTL REF
	PROJECT LIMIT OF WORK	
	ACCESSIBLE PATH OF TRAVEL - PER ACCESSIBILITY NOTES ABOVE.	
R	ACCESSIBLE RESTROOM (EXISTING) - SEE SHEET LD6.0	
DF	ACCESSIBLE DRINKING FOUNTAIN	H LD5.0
G1	NEW ACCESSIBLE GATE 8 FT TALL, 4 FT WIDE CHAIN LINK GATE	L LD3.0
G2	NEW ACCESSIBLE GATE 8 FT TALL, 4 FT WIDE CHAIN LINK GATE W/ PANIC HARDWARE	K LD3.0
G3	NEW ACCESSIBLE GATE 8 FT TALL, 10 FT WIDE DOUBLE SWING CHAIN LINK GATE	N LD3.0
G4	NEW ACCESSIBLE GATE 8 FT TALL, 4 FT WIDE CHAIN LINK GATE IN 14 FT OR 16 FT TALL FENCE LINE	M LD3.0
M	MAINTENANCE GATE	
T	TOW AWAY SIGN	C LD7.0
P1	EXISTING PARKING ENLARGEMENT- 1 CONTRACTOR TO MODIFY EXISTING PARKING AS REQ'D	A LD7.0
P2	EXISTING PARKING ENLARGEMENT- 2 CONTRACTOR TO MODIFY EXISTING PARKING AS REQ'D	B LD7.0
	PARKING LOT SERVING AREA OF WORK	

NORTH
0' 25' 50' 100' 150'

LS 1.1
LOCATION #1
08/17/26

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.

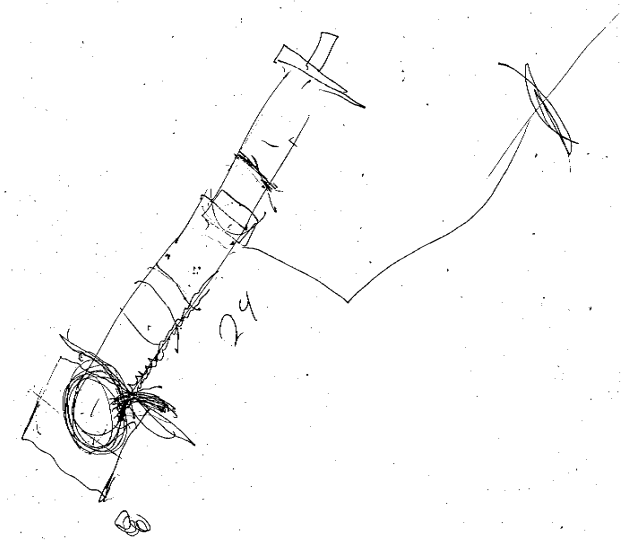
DRAWING NAME: \\PRODNAS01\Projects\2018\1818700 - SSF HS Softball Field\CAD_L0.0 CAMP-ACC.dwg
PLOT DATE: 07-08-19 PLOTTED BY: station82

1973 WATER SYSTEM DIAGRAM
WITH 1974 ADDED ANNOTATIONS

ITEM "LS-1"

IRRIGATION / WATER PRESSURE TESTING

LS 1 WATER LINE
PRESSURE READING
LOCATION #2



NEW DIST. PAINT SHOP

ADM.N BLDG. ADDITION

DISTRICT ADMIN. BLDG.

VALVE IN BOX

TO PORT CL. RM.

MUSIC BLDG.

AUDITORIUM

NEW MUSIC BLDG.

LIBRARY

NEW ADMINISTRATION BLDG.

CAFETERIA

B CLASSROOMS

LIBR. & BLDG SHUT OFF

1H BOYS TOILET

FUTURE NEW VALVE
JAN-1988

SHUT OFF AT METER

METER

CHECK VALVE

EL CAMINO REAL

SHOP BLDG.

C CLASSROOMS

IS THERE A QUICK COUPLER IN THIS BOX TO GET A READING AT?. LOOKING FOR A READING ON THIS LINE.

D CLASSROOMS

Need Key

IN VALVE BOX.

GYMNASIUM

POOL

TO BOILER RM.

ON BRANCH

NO LINE
1-20-38

E CLASSROOMS

to IRRIG. SYSTEM

STADIUM

11-1-75
abandoned
To Ch. Care Ctr.

SHUT OFF @ METER "SUPPLY"

SITE PLAN

SCALE: 1"=50'-0"

"WATER SYSTEM"

LS 1.2
LOCATION #2
08/17/26

BENTLEY ENGINEERS CONSULTANTS CIVIL, STRUCTURAL ELECTRICAL & MECHANICAL 49 FREMONT ST., SAN FRANCISCO CALIFORNIA 94105 (415) 421-1042	SITE UTILITY PLAN - WATER SENIOR HIGH SCHOOL SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT - SAN MATEO COUNTY SOUTH SAN FRANCISCO, CALIFORNIA
DES. H.M. DRAW. E.V. SUPV. P.G. CHK. H.M.	WATER
APPROVED:	APPROVED: SCALE: 1"=50'-0" SHEET NO. MP-2
JOB NO. 73-01	DATE:

ITEM "LS-1"

IRRIGATION / WATER PRESSURE TESTING

LS 1 WATER LINE PRESSURE RFADING LOCATION # 3

LEGEND

SYMBOL	DESCRIPTION
	PROPERTY LINE
LOW	LIMIT OF WORK LINE
	(E) CONDITION, SEE TOPOGRAPHIC CIVIL DRAWINGS.

NOTE: SEE SHEET L3.00 FOR IRRIGATION LEGEND

BFP, MV, and PS assembly to be installed in this location.

IRRIGATION CONTROLLER INSTALL IN ELECTRICAL ROOM OF BUILDING G

3 GET PRESSURE READING AT THIS QUICK COUPLER

POC, CONNECT IRRIGATION MAINLINE AT NEW WATER MAINLINE SEE CIVIL DWGS, FIELD VERIFY LOCATION ADJUST AS REQUIRED AND VERIFY STATIC WATER PRESSURE AT MIN OF 80 PSI

BUILDING

ELEVATOR MACHINE ROOM

TITLE 23 MODEL WATER EFFICIENT LANDSCAPE ORDINANCE COMPLIANCE:
I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

NORTH

0' 20'
1"=20'-0"

LS 1.3
LOCATION #3
08/17/26

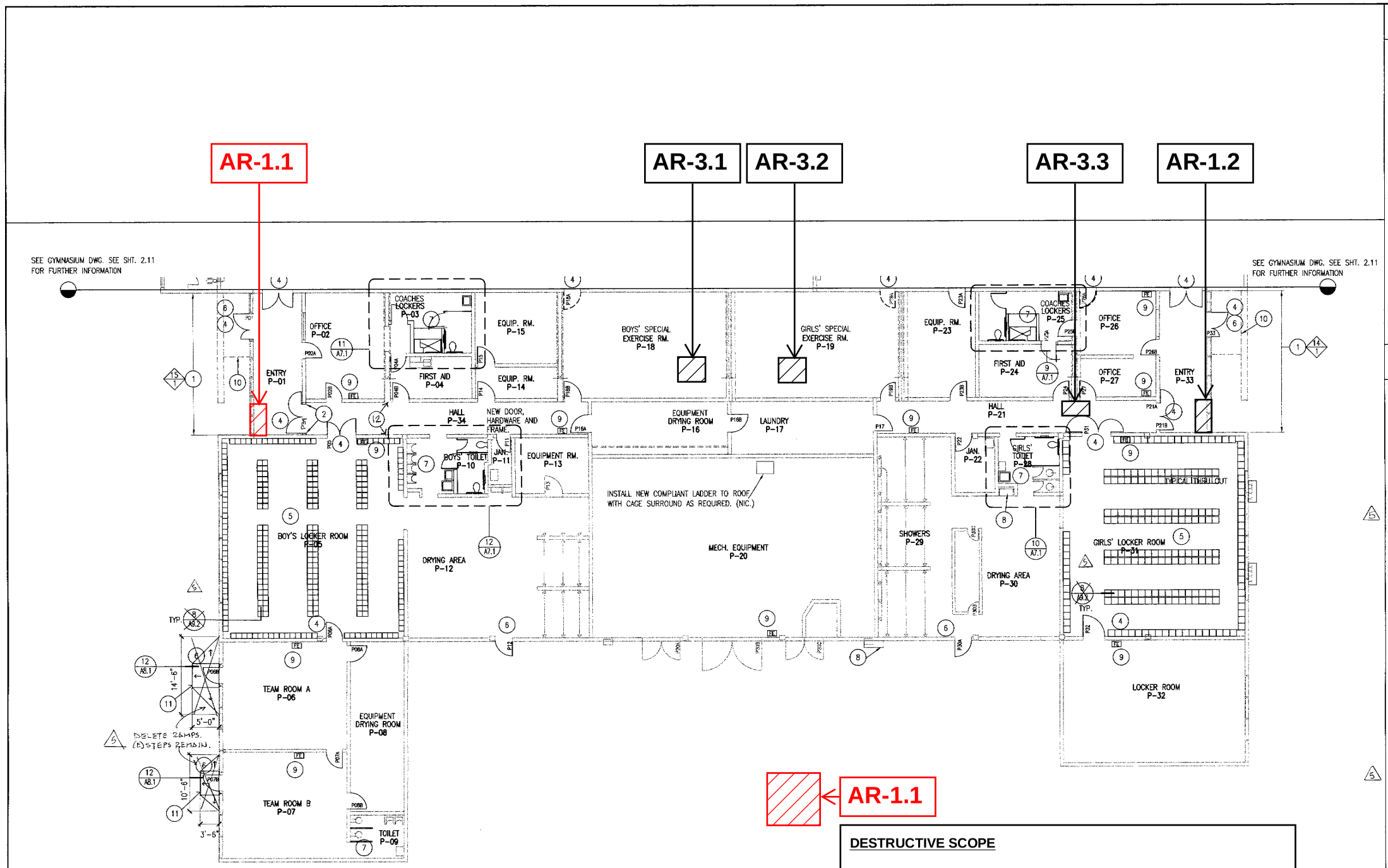
Only the original sheet of this drawing identified as Construction Contract Documents prepared by Consuoco & Associates, and not to be used for any modifications made to this drawing electronic or otherwise that is not signed by Consuoco & Associates.

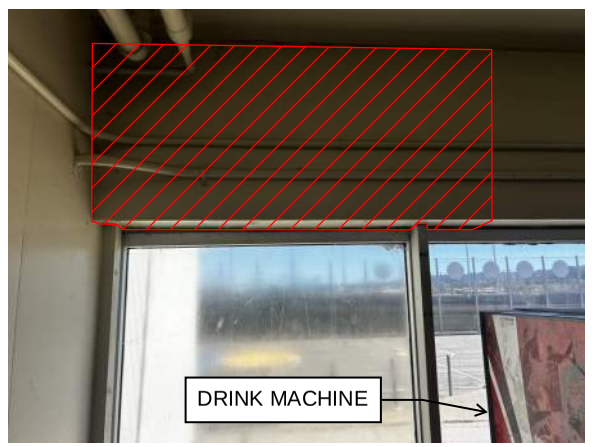
If the contractor encounters errors or discrepancies on the drawings, or site conditions which prevent or delay the completion of work as indicated, the contractor shall notify the owner and landscape architect by the time of bid of all such errors, discrepancies and conditions. Failure to do so shall hold the contractor harmless and the owner liable for the work as shown. Any changes or deviations from the plans due to site conditions, errors, discrepancies or omissions at the time of bid

ATTACHMENT E - e) Natural Gas Pressure Testing

NO EXHIBIT

SEE EXHIBIT L FOR SCOPE





AR-1.1

DESTRUCTIVE SCOPE

REMOVE 4'-0" WIDE X 2'-0" HIGH INTERIOR PLASTER DOWN TO FRAME AT WINDOW HEAD AND WALL TO BOTTOM OF CEILING. CUTS AT THE PERIMETER OF OPENING AND INTERSECTING UTILITY TO BE NEAT AND STRAIGHT. CLEAN STUDS OF FASTENERS AND LATHE FOR FUTURE GYPSUM BOARD APPLICATION. UTILITY AND WINDOW TO BE PROTECTED.

CONTACT ARCHITECT FOR CAVITY REVIEW AND DOCUMENTATION PRIOR TO PATCH BACK. LADDER TO BE PROVIDED.

PATCH BACK SCOPE

INFILL OPENING WITH GYPSUM BOARD, TAPING COMPOUND, SKIM COATS, AND PAINT AS REQUIRED TO MATCH EXISTING / ADJACENT FINISH.

AT WINDOW FRAME AND CONCRETE WALL, APPLY A ADD 1/4" SEALANT OVER BACKER ROD WITH GYPSUM BOARD J MOLD AT PERIMETER

AT CEILING INTERSECTION, APPLY A GYPSUM CORNER BEAD WITH TAPING COMPOUND, SKIM COATS, AND PAINT AS REQUIRED TO MATCH EXISTING / ADJACENT FINISH.

NORTH

SHEET NOTES

1. SEE A0.1 FOR GENERAL NOTES
2. SEE SHEET DA2.12 FOR DEMOLITION INFORMATION.
3. SEE SHEET A6.12 FOR REFLECTED CEILING PLAN.
4. SEE SHEET A10.9 FOR DOOR SCHEDULE.
5. SEE SHEET A10.12 FOR ROOM FINISH SCHEDULE.
6. SEE SHEET A10.15 FOR WINDOW TYPES INFORMATION.
7. SEE MECHANICAL, PLUMBING & ELECTRICAL CONSULTANT DRAWINGS FOR FURTHER INFORMATION.
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KEY NOTES

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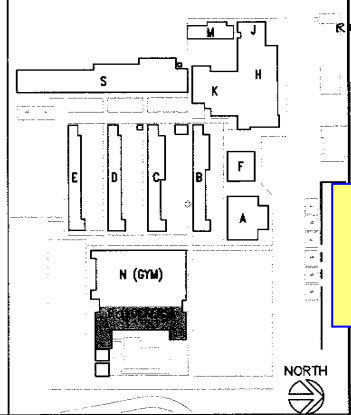
3. NOT USED
4. INSTALL (N) DOOR SEE DOOR SCHEDULE
5. ~~LOCKERS & BASES ARE NIC. OWNER WILL SUPPLY LOCKERS; CONTRACTOR SHALL INSTALL USE EXISTING BASE. EXPAND PER DETAIL~~ 190 ACCESSIBLE LOCKERS.
6. INSTALL (N) ACCESSIBLE THRESHOLD AT ALL EXTERIOR DOORS EXCEPT FROM ROOM P-20. (18 A8.2)
7. INSTALL (N) TOILET & SHOWER COMPARTMENTS WHERE OCCURS 5/A9.3 & 7/A9.3
8. INSTALL (N) DRINKING FOUNTAIN DRINKING FOUNTAIN
9. PROVIDE FIRE EXTINGUISHER AND CABINET
10. (E) COVERED ROOFING PATCH & REPAIR AS REQUIRED BUILT-UP ASPHALT ROOFING
11. CONCRETE RAMP, 1:12 MAX. SLOPE SEE 1/A8.1
12. PATCH WALL & CEILING TO MAINTAIN FIRE RATING ON WALLS.



SITE KEY PLAN

501 14TH STREET, ~~SUITE 300~~
OAKLAND, CA 94612
TELEPHONE (510)763-1313
☐ IL KWON CHA AIA
☒ LEE KARNEY AIA
☐ FRANZ STEINER AIA
☐ ELIEZER M. NAOR AIA

LICENSED ARCHITECT LEE KARNEY C-31188 12-31-01 STATE OF CALIFORNIA

ARCHITECT'S STAMP

CONSULTANT'S STAMP

SOUTH SAN FRANCISCO HIGH SCHOOL MODERNIZATION

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
SOUTH SAN FRANCISCO, CALIFORNIA

DSA APPLICATION STAGE
DIVISION OF THE STATE ARCHITECT
APPLICATION 10 4035
REVISION APR 27 2001
AUTHORITY APPROVAL MAR 3 0 2001

GIRLS & BOYS LOCKER ROOM FLOOR PLANS

AR 1.1
A2.12 - LOCKER ROOM FLOOR PLANS
08/17/26

DRAWN BY: GM CHECKED BY: RC

A2.12

JOB NO: 98021A2 OF SHEETS

~~GIRLS & BOYS LOCKER ROOM FLOOR PLANS~~ 1/8" 1

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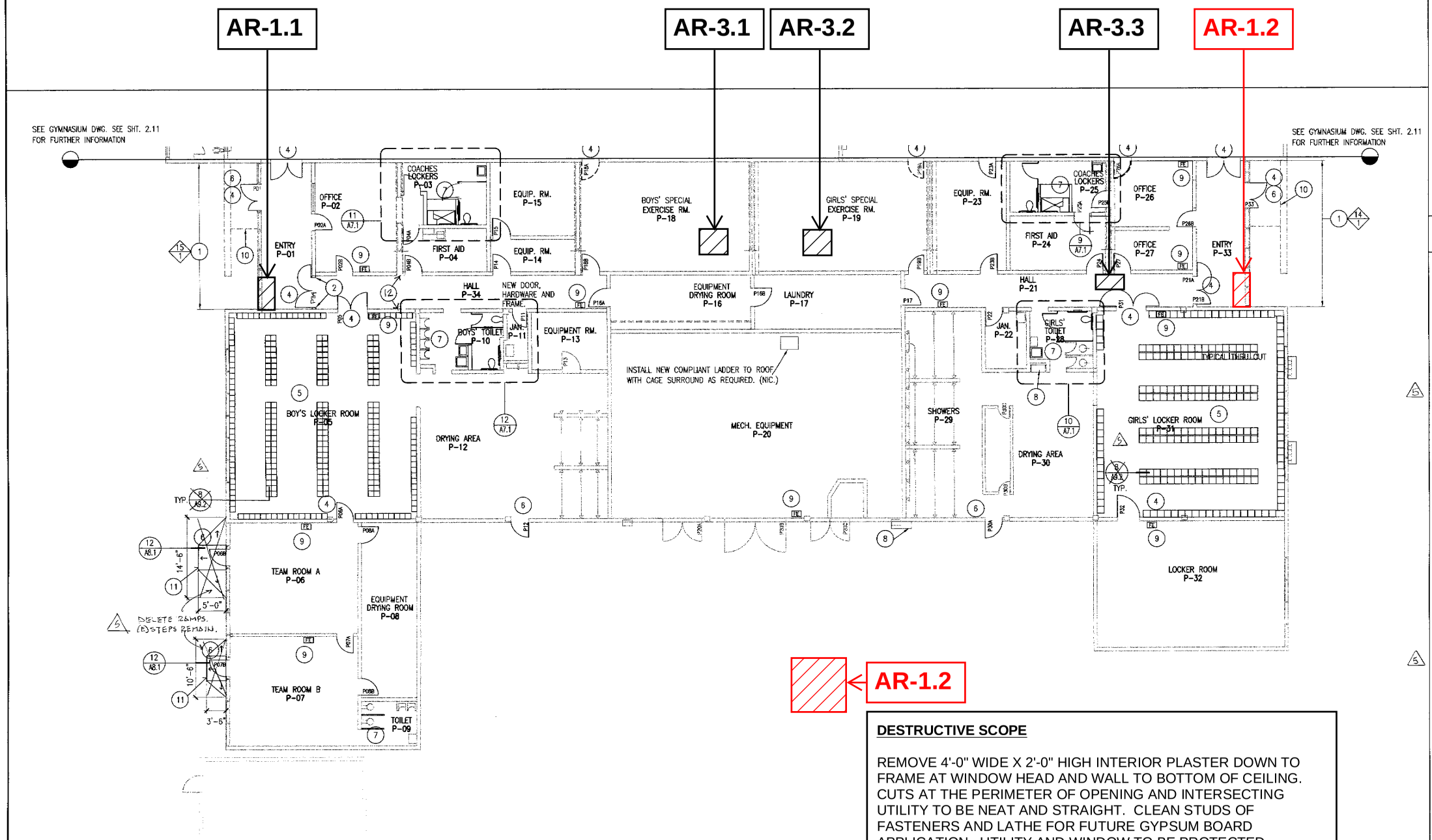





AR-1.2

DESTRUCTIVE SCOPE

REMOVE 4'-0" WIDE X 2'-0" HIGH INTERIOR PLASTER DOWN TO FRAME AT WINDOW HEAD AND WALL TO BOTTOM OF CEILING. CUTS AT THE PERIMETER OF OPENING AND INTERSECTING UTILITY TO BE NEAT AND STRAIGHT. CLEAN STUDS OF FASTENERS AND LATHE FOR FUTURE GYPSUM BOARD APPLICATION. UTILITY AND WINDOW TO BE PROTECTED.

CONTACT ARCHITECT FOR CAVITY REVIEW AND DOCUMENTATION PRIOR TO PATCH BACK.

PATCH BACK SCOPE

1 INFILL OPENING WITH GYPSUM BOARD, TAPING COMPOUND, SKIM COATS, AND PAINT AS REQUIRED TO MATCH EXISTING / ADJACENT FINISH.

2 AT WINDOW FRAME AND CONCRETE WALL, APPLY A ADD 1/4" SEALANT OVER BACKER ROD WITH GYPSUM BOARD J MOLD

3 AT CEILING INTERSECTION, APPLY A GYPSUM CORNER BEAD WITH TAPING COMPOUND, SKIM COATS, AND PAINT AS REQUIRED TO MATCH EXISTING / ADJACENT FINISH.

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4. SEE SHEET A10.9 FOR DOOR SCHEDULE.
5. SEE SHEET A10.12 FOR ROOM FINISH SCHEDULE.
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3. NOT USED
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8. INSTALL (N) DRINKING FOUNTAIN DRINKING FOUNTAIN
9. PROVIDE FIRE EXTINGUISHER AND CABINET
10. (E) COVERED ROOFING PATCH & REPAIR AS REQUIRED BUILT-UP ASPHALT ROOFING
11. CONCRETE RAMP, 1:12 MAX. SLOPE SEE 1/A8.1
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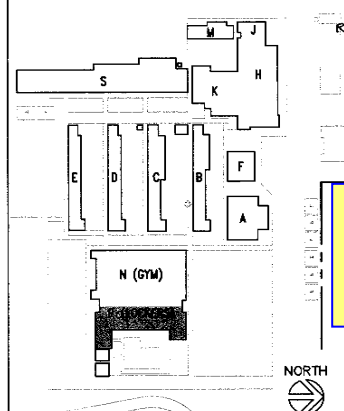

SITE KEY PLAN

~~501~~ 14TH STREET, ~~SUITE 300~~
OAKLAND, CA 94612
TELEPHONE (510)763-1313
☐ IL KWON CHA AIA
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☐ FRANZ STEINER AIA
☐ ELIEZER M. NAOR AIA

LICENSED ARCHITECT LEE KARNEY C-31188 12-31-01 STATE OF CALIFORNIA

ARCHITECT'S STAMP

CONSULTANT'S STAMP

SOUTH SAN FRANCISCO HIGH SCHOOL MODERNIZATION

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
SOUTH SAN FRANCISCO, CALIFORNIA

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPLICATION 10 4035
REVIEWED FOR APR 27 2001
AUTHORITY APPROVAL MAR 3 0 2001

GIRLS & BOYS LOCKER ROOM FLOOR PLANS

AR 1.2
A2.12 - LOCKER ROOM FLOOR PLANS
08/17/26

DRAWN BY: GM CHECKED BY: RC

A2.12

JOB NO: 98021A2 SHEET OF SHEETS

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AR-2.1

DESTRUCTIVE SCOPE

REMOVE 2'-0" WIDE X 8'-0" HIGH FRP PANEL FOR FUTURE REATTACHMENT (YELLOW OUTLINE). PHOTOGRAPH BEHIND THE PANEL PRIOR TO FURTHER DEMOLITION. REMOVE ~1'-6" WIDE X 4'-0" PLASTER DOWN TO FRAME CENTERED ON STUDS. CUTS AT THE PERIMETER OF OPENING AND INTERSECTING UTILITY TO BE NEAT AND STRAIGHT. CLEAN STUDS FOR FUTURE GYPSUM BOARD APPLICATION.

CONTACT ARCHITECT FOR CAVITY REVIEW AND DOCUMENTATION PRIOR TO PATCH BACK.

PATCH BACK SCOPE

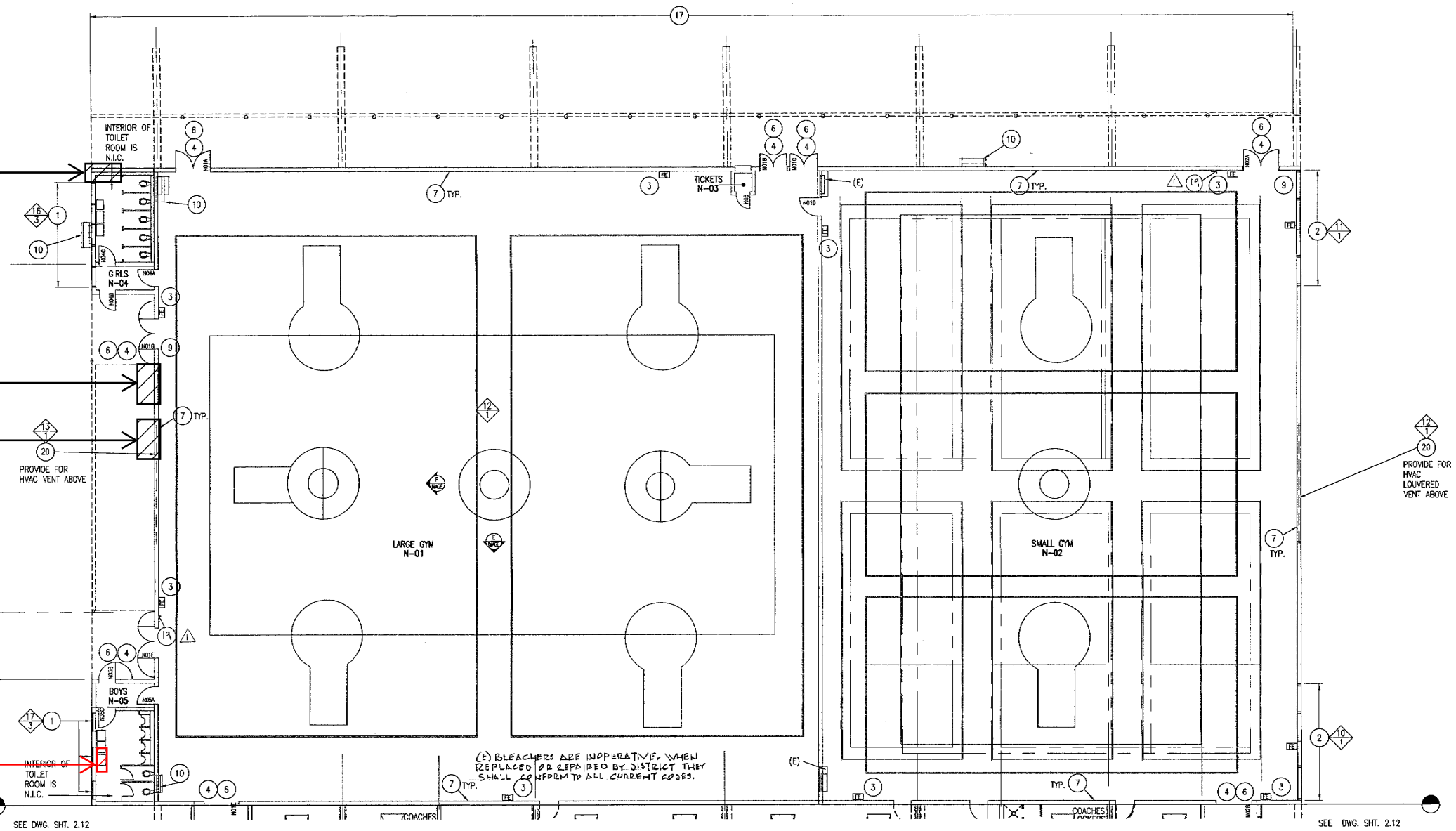
REPLACE ANY DAMAGED INSULATION. INFILL OPENING WITH GYPSUM BOARD, TAPING COMPOUND, AND SKIM COATS, AS REQUIRED TO MATCH EXISTING. REATTACH FRP PANEL IN ORIGINAL POSITION. CLEAN THE PANEL AND PAINT AS REQUIRED.

AR-4.1

AR-4.2

AR-4.3

AR-2.1



GYMNASIUM BUILDING FLOOR PLAN 1/8" 1

SHEET NOTES

1. SEE A0.1 FOR GENERAL NOTES
2. SEE SHEET DA2.11 FOR DEMOLITION INFORMATION.
3. SEE SHEET A6.11 FOR REFLECTED CEILING PLAN.
4. SEE SHEET A10.8 FOR DOOR SCHEDULE.
5. SEE SHEET A10.12 FOR ROOM FINISH SCHEDULE.
6. SEE SHEET A10.15 FOR WINDOW TYPES INFORMATION.
7. SEE MECHANICAL, PLUMBING & ELECTRICAL CONSULTANT DRAWINGS FOR FURTHER INFORMATION.
8. VERIFY AND COORDINATE AREAS WHERE FINISH FACE OF NEW WALLS ARE REQUIRED TO ALIGN WITH EXISTING WALL SURFACES
9. THE CONTRACTOR SHALL PROVIDE FOR THE PROTECTION OF THE EXERCISE RM. CONTENTS INCLUDING THE FLOOR

KEY NOTES

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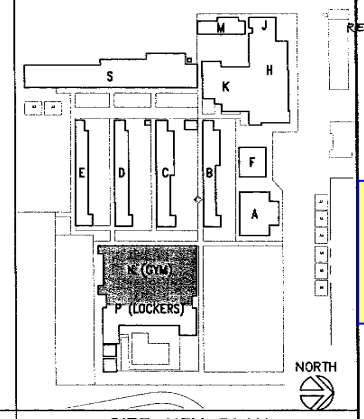
1. REGLAZE (E) WINDOWS
2. INSTALL (N) REPLACEMENT WINDOW & GLAZING @ (E) WINDOW LOCATION, ALUMINUM WINDOWS
3. PROVIDE AND INSTALL FIRE EXTINGUISHER AND CABINET
4. INSTALL (N) DOOR SEE DOOR SCHEDULE
5. NOT USED
6. INSTALL (N) ACCESSIBLE THRESHOLD (18 AR.2)
7. INSTALL NEW ACOUSTICAL CEILING TILE ON WALLS
8. PATCH (E) WALLS TO MATCH (E) ADJACENT SURFACES. GYPSUM BOARD 09260
9. (E) "CAPACITY LOAD" SIGN
10. INSTALL (N) DRINKING FOUNTAIN DRINKING FOUNTAIN 15400 (20 A6.2)
17. INSTALL (N) FASCIA GUTTERS AND PATCH & REPAIR DR ROT AT (E) FASCIA BOARDS & METAL GUTTER 07620
18. NOT USED (1 AR.1)
19. ~~NOT USED~~ ACCESSIBLE LISTENING SIGN. SEE (2 A2.11)
20. INSTALL LOUVERED MECHANICAL GRILL SEE EXTERIOR ELEVATION SHEET A3.11



SITE KEY PLAN

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☐ LEE KARNEY AIA
☐ FRANZ STEINER AIA
☐ ELIEZER M. NAOR AIA

LICENSED ARCHITECT LEE KARNEY 13150 12-31-27 STATE OF CALIFORNIA

ARCHITECT'S STAMP

CONSULTANT'S STAMP

SOUTH SAN FRANCISCO HIGH SCHOOL MODERNIZATION
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
SOUTH SAN FRANCISCO, CALIFORNIA

DIVISION OF THE STATE ARCHITECT
APP.ID 10 1035
DATE APR 21 2099
AUTHORITY APPROVAL MAR 30 2000

GYMNASIUM FLOOR PLANS

AR 2.1
A2.11 - GYM FLOOR PLANS
08/17/26

DRAWN BY: GM CHECKED BY: RG

A2.11

JOB NO: 98021A2 OF SHEETS

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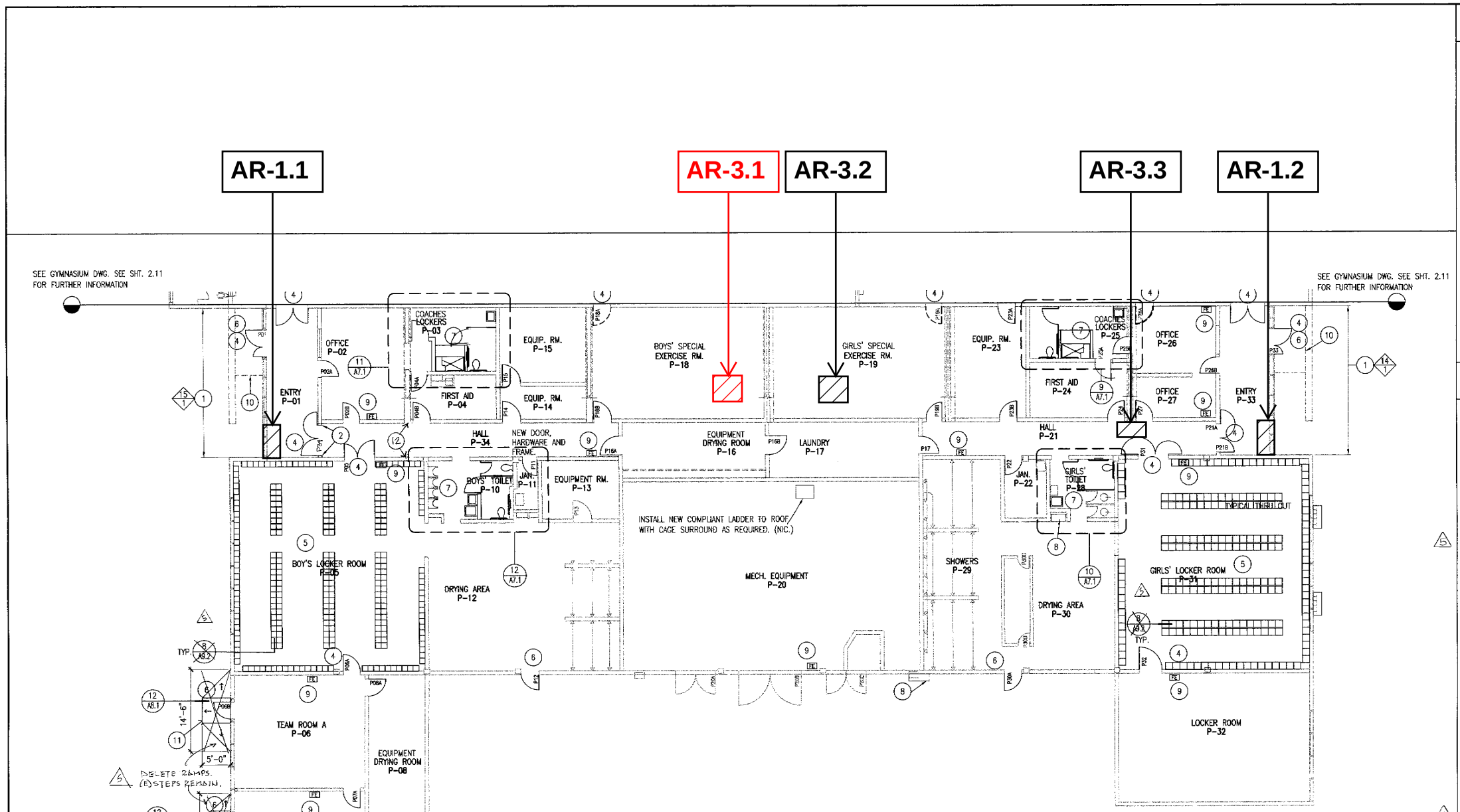

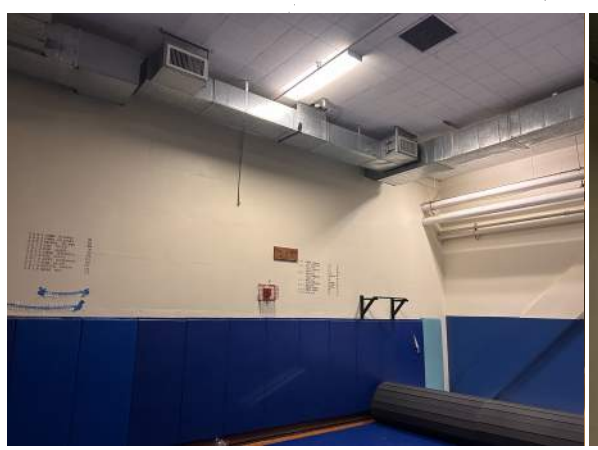



AR-3.1

DESTRUCTIVE SCOPE

REMOVE 4'-0" X 3'-0" GLUED-ON CEILING TILE AND SUPPORTING GYPSUM BOARD DOWN TO JOISTS. CUTS AT THE PERIMETER OF OPENING TO ALIGN WITH CENTER OF JOIST. CUTS TO BE NEAT AND STRAIGHT. CLEAN JOISTS FOR FUTURE GYPSUM BOARD AND CEILING TILE APPLICATION.

CONTACT ARCHITECT FOR CAVITY REVIEW AND DOCUMENTATION PRIOR TO PATCH BACK. LADDER TO BE PROVIDED.

PATCH BACK SCOPE

INFILL OPENING WITH GYPSUM BOARD, TAPING COMPOUND AND SKIM COATS. SEE GLUE-ON CEILING TILE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR LEVEL OF FINISH. MATCH EXISTING CEILING TILE.

NORTH

SHEET NOTES

1. SEE A0.1 FOR GENERAL NOTES
2. SEE SHEET DA2.12 FOR DEMOLITION INFORMATION.
3. SEE SHEET A6.12 FOR REFLECTED CEILING PLAN.
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8. INSTALL (N) DRINKING FOUNTAIN DRINKING FOUNTAIN
9. PROVIDE FIRE EXTINGUISHER AND CABINET
10. (E) COVERED ROOFING PATCH & REPAIR AS REQUIRED BUILT-UP ASPHALT ROOFING
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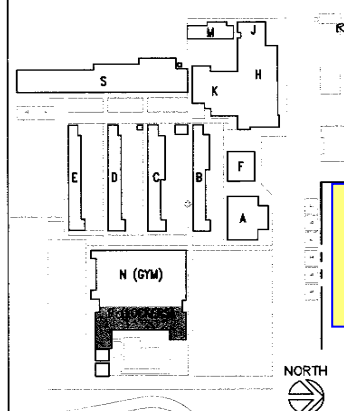
12. ~~PATCH WALL & CEILING TO MAINTAIN FIRE RATING ON WALLS.~~



SITE KEY PLAN

GIRLS & BOYS LOCKER ROOM FLOOR PLANS | 1/8" | 1

VBN ARCHITECTS
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TELEPHONE (510)763-1313
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LICENSED ARCHITECT LEE KARNEY C-31188 12-31-2011 STATE OF CALIFORNIA

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GIRLS & BOYS LOCKER ROOM FLOOR PLANS

AR 3.1
A2.12 - LOCKER ROOM FLOOR PLANS
08/17/26

DRAWN BY: GM CHECKED BY: RC

A2.12

JOB NO: 98021A2 | OF SHEETS

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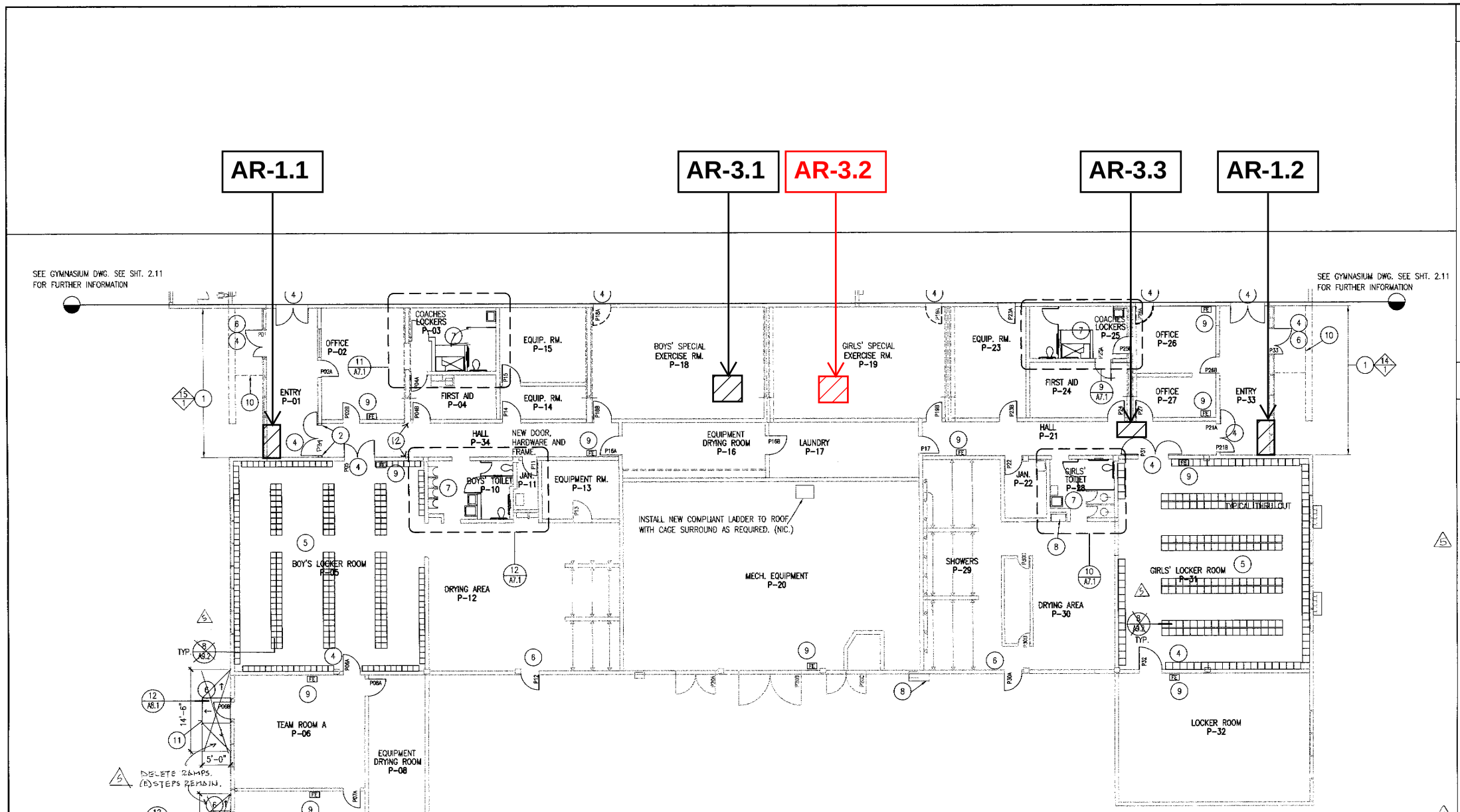
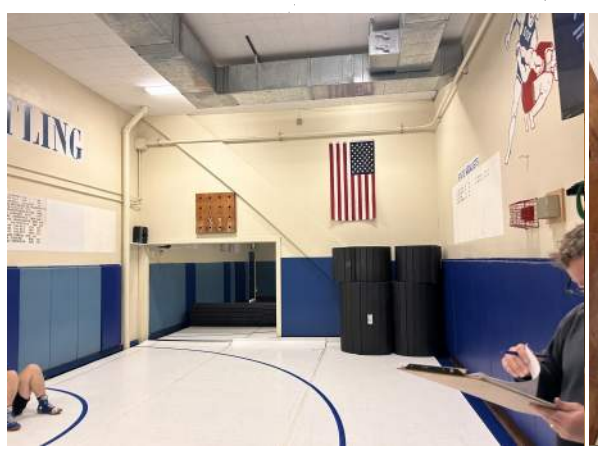






AR-3.2

DESTRUCTIVE SCOPE

REMOVE 3'-0" X 3'-0" GLUED-ON CEILING TILE AND SUPPORTING GYPSUM BOARD DOWN TO JOISTS. CUTS AT THE PERIMETER OF OPENING TO ALIGN WITH CENTER OF JOIST. CUTS TO BE NEAT AND STRAIGHT. CLEAN JOISTS FOR FUTURE GYPSUM BOARD AND CEILING TILE APPLICATION.

CONTACT ARCHITECT FOR CAVITY REVIEW AND DOCUMENTATION PRIOR TO PATCH BACK. LADDER TO BE PROVIDED.

PATCH BACK SCOPE

INFILL OPENING WITH GYPSUM BOARD, TAPING COMPOUND AND SKIM COATS. SEE GLUE-ON CEILING TILE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR LEVEL OF FINISH. MATCH EXISTING CEILING TILE.

NORTH

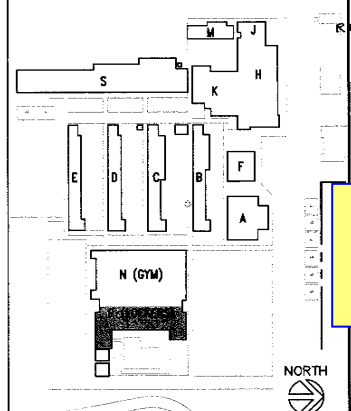
SHEET NOTES

1. SEE A0.1 FOR GENERAL NOTES
2. SEE SHEET DA2.12 FOR DEMOLITION INFORMATION.
3. SEE SHEET A6.12 FOR REFLECTED CEILING PLAN.
4. SEE SHEET A10.9 FOR DOOR SCHEDULE.
5. SEE SHEET A10.12 FOR ROOM FINISH SCHEDULE.
6. SEE SHEET A10.15 FOR WINDOW TYPES INFORMATION.
7. SEE MECHANICAL, PLUMBING & ELECTRICAL CONSULTANT DRAWINGS FOR FURTHER INFORMATION.
8. VERIFY AND COORDINATE AREAS WHERE FINISH FACE OF NEW WALLS ARE REQUIRED TO ALIGN WITH EXISTING WALL SURFACES
9. THE CONTRACTOR SHALL PROVIDE FOR THE PROTECTION OF THE EXERCISE RM. CONTENTS INCLUDING THE FLOOR

KEY NOTES

THESE KEY NOTES ARE FOR THIS PAGE ONLY

1. INSTALL (N) REPLACEMENT WINDOW & GLAZING AT LOCATION OF (E) WINDOWS
2. NOT USED
3. NOT USED
4. INSTALL (N) DOOR SEE DOOR SCHEDULE
5. ~~LOCKERS & BASES ARE NIC. OWNER WILL SUPPLY LOCKERS; CONTRACTOR SHALL INSTALL USE EXISTING BASE. EXPAND PER DETAIL~~ 190 ACCESSIBLE LOCKERS.
6. INSTALL (N) ACCESSIBLE THRESHOLD AT ALL EXTERIOR DOORS EXCEPT FROM ROOM P-20. (18 A8.2)
7. INSTALL (N) TOILET & SHOWER COMPARTMENTS WHERE OCCURS 5/A9.3 & 7/A9.3
8. INSTALL (N) DRINKING FOUNTAIN DRINKING FOUNTAIN
9. PROVIDE FIRE EXTINGUISHER AND CABINET
10. (E) COVERED ROOFING PATCH & REPAIR AS REQUIRED BUILT-UP ASPHALT ROOFING
11. CONCRETE RAMP, 1:12 MAX. SLOPE SEE 1/A8.1
12. ~~PATCH WALL & CEILING TO MAINTAIN FIRE RATING ON WALLS.~~



SITE KEY PLAN

GIRLS & BOYS LOCKER ROOM FLOOR PLANS | 1/8" | 1

VBN ARCHITECTS
~~501~~ 14TH STREET, ~~SUITE 309~~
OAKLAND, CA 94612
TELEPHONE (510)763-1313
☐ IL KWON CHA AIA
☒ LEE KARNEY AIA
☐ FRANZ STEINER AIA
☐ ELIEZER M. NAOR AIA

LICENSED ARCHITECT LEE KARNEY C-31188 12-31-2027 STATE OF CALIFORNIA

ARCHITECT'S STAMP

CONSULTANT'S STAMP

SOUTH SAN FRANCISCO HIGH SCHOOL MODERNIZATION

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
SOUTH SAN FRANCISCO, CALIFORNIA

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT
APPLICATION NO. 10 4035
REVIEWED FOR APR 27 2026
AUTHORITY APPROVAL MAR 3 0 2001

GIRLS & BOYS LOCKER ROOM FLOOR PLANS

AR 3.2
A2.12 - LOCKER ROOM FLOOR PLANS
08/17/26

DRAWN BY: GM CHECKED BY: RC

A2.12

JOB NO: 98021A2 | OF SHEETS

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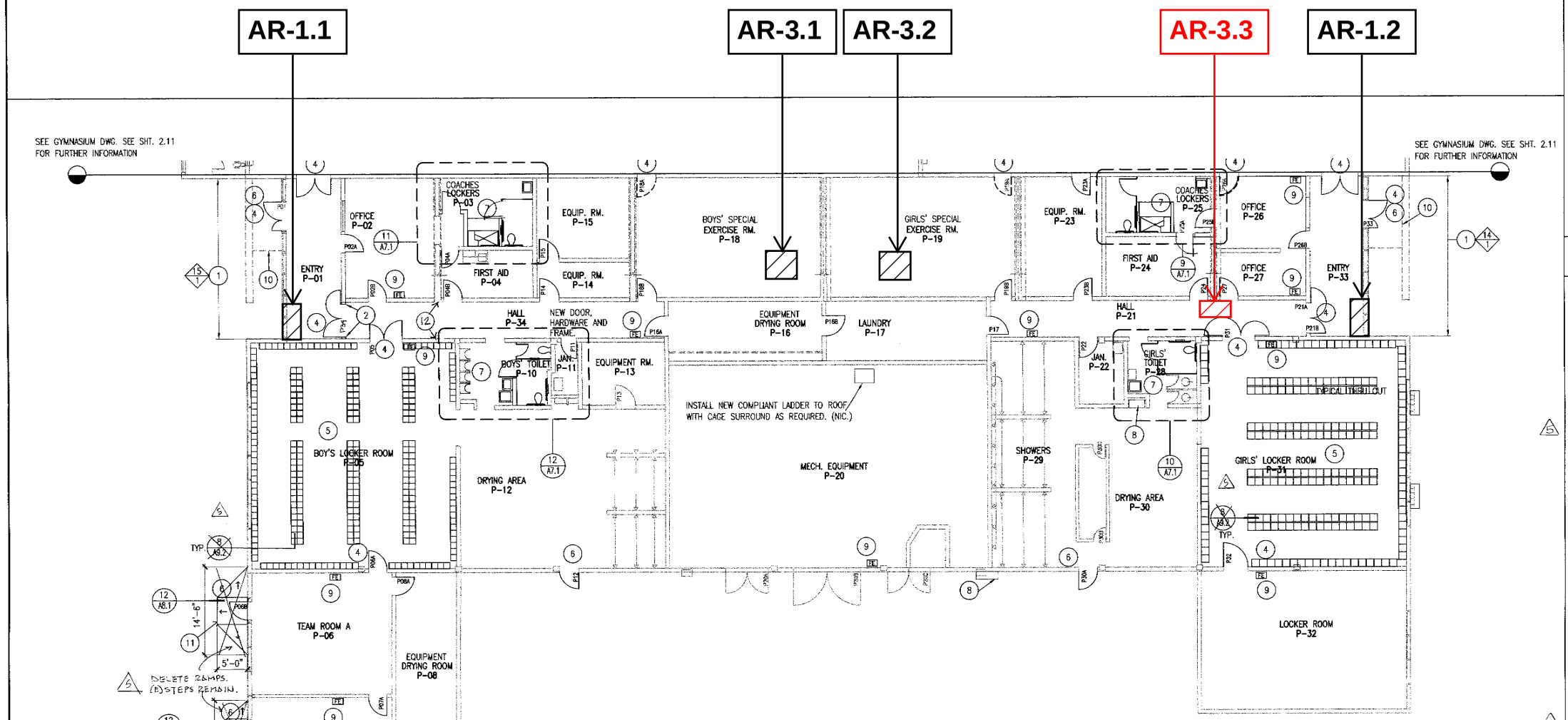

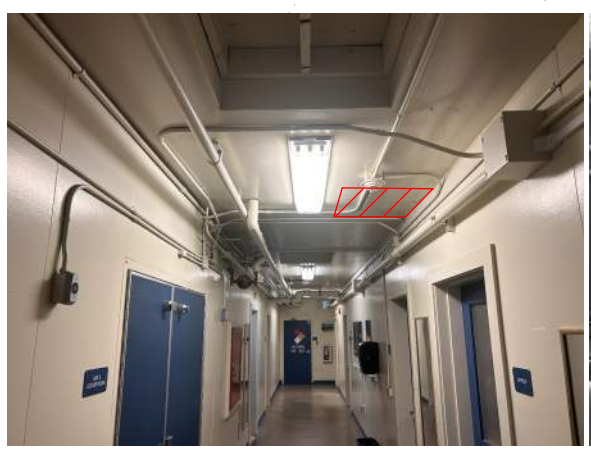

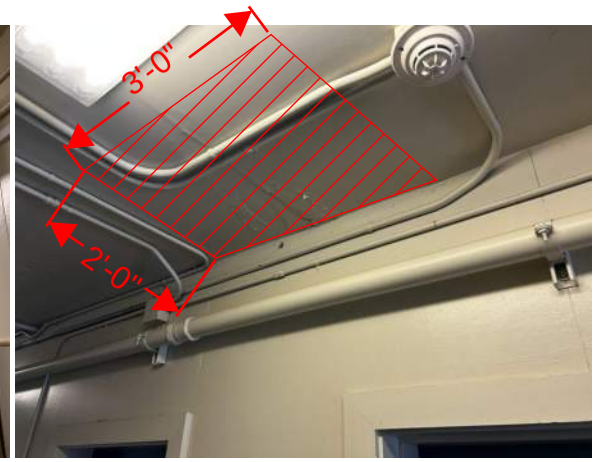

AR-3.3

DESTRUCTIVE SCOPE

REMOVE ~3'-0" WIDE X 2'-0" DEEP SHEETROCK DOWN TO CEILING JOISTS. CUTS TO BE CENTERED ON JOISTS. CUTS AT THE PERIMETER OF OPENING AND INTERSECTING UTILITY TO BE NEAT AND STRAIGHT. CLEAN STUDS FOR FUTURE GYPSUM BOARD APPLICATION.

CONTACT ARCHITECT FOR CAVITY REVIEW AND DOCUMENTATION PRIOR TO PATCH BACK. LADDER TO BE PROVIDED.

PATCH BACK SCOPE

INFILL OPENING WITH GYPSUM BOARD, TAPING COMPOUND, SKIM COATS, AND PAINT AS REQUIRED TO MATCH EXISTING / ADJACENT FINISH.

NORTH

SHEET NOTES

1. SEE A0.1 FOR GENERAL NOTES
2. SEE SHEET DA2.12 FOR DEMOLITION INFORMATION.
3. SEE SHEET A6.12 FOR REFLECTED CEILING PLAN.
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10. (E) COVERED ROOFING PATCH & REPAIR AS REQUIRED BUILT-UP ASPHALT ROOFING
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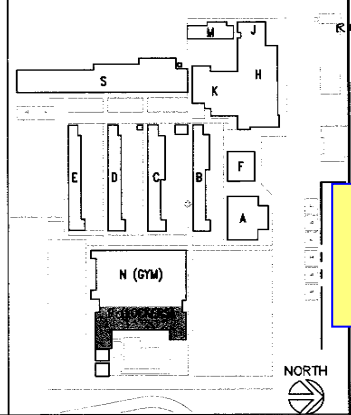

SITE KEY PLAN

501 14TH STREET, ~~SUITE 300~~
OAKLAND, CA 94612
TELEPHONE (510)763-1313
☐ IL KWON CHA AIA
☒ LEE KARNEY AIA
☐ FRANZ STEINER AIA
☐ ELIEZER M. NAOR AIA

LICENSED ARCHITECT LEE KARNEY C-31188 12-31-2027 STATE OF CALIFORNIA

ARCHITECT'S STAMP

CONSULTANT'S STAMP

SOUTH SAN FRANCISCO HIGH SCHOOL MODERNIZATION

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
SOUTH SAN FRANCISCO, CALIFORNIA

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GIRLS & BOYS LOCKER ROOM FLOOR PLANS

AR 3.3
A2.12 - GYM FLOOR PLANS
08/17/26

DRAWN BY: GM CHECKED BY: RC

A2.12

JOB NO: 98021A2 OF SHEETS

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AR-4.1

DESTRUCTIVE SCOPE

REMOVE 4'-0" HIGH X 6'-0" LINEAR FEET OF EXTERIOR PLYWOOD SHEATHING. CUTS ARE TO BE STRAIGHT AND PERPEDICULAR TO PANEL FROM EXISTING PANEL SEAM. STOP DESTRUCTION AT WRB.

CONTACT ARCHITECT FOR CAVITY REVIEW AND DOCUMENTATION.

PATCH BACK SCOPE

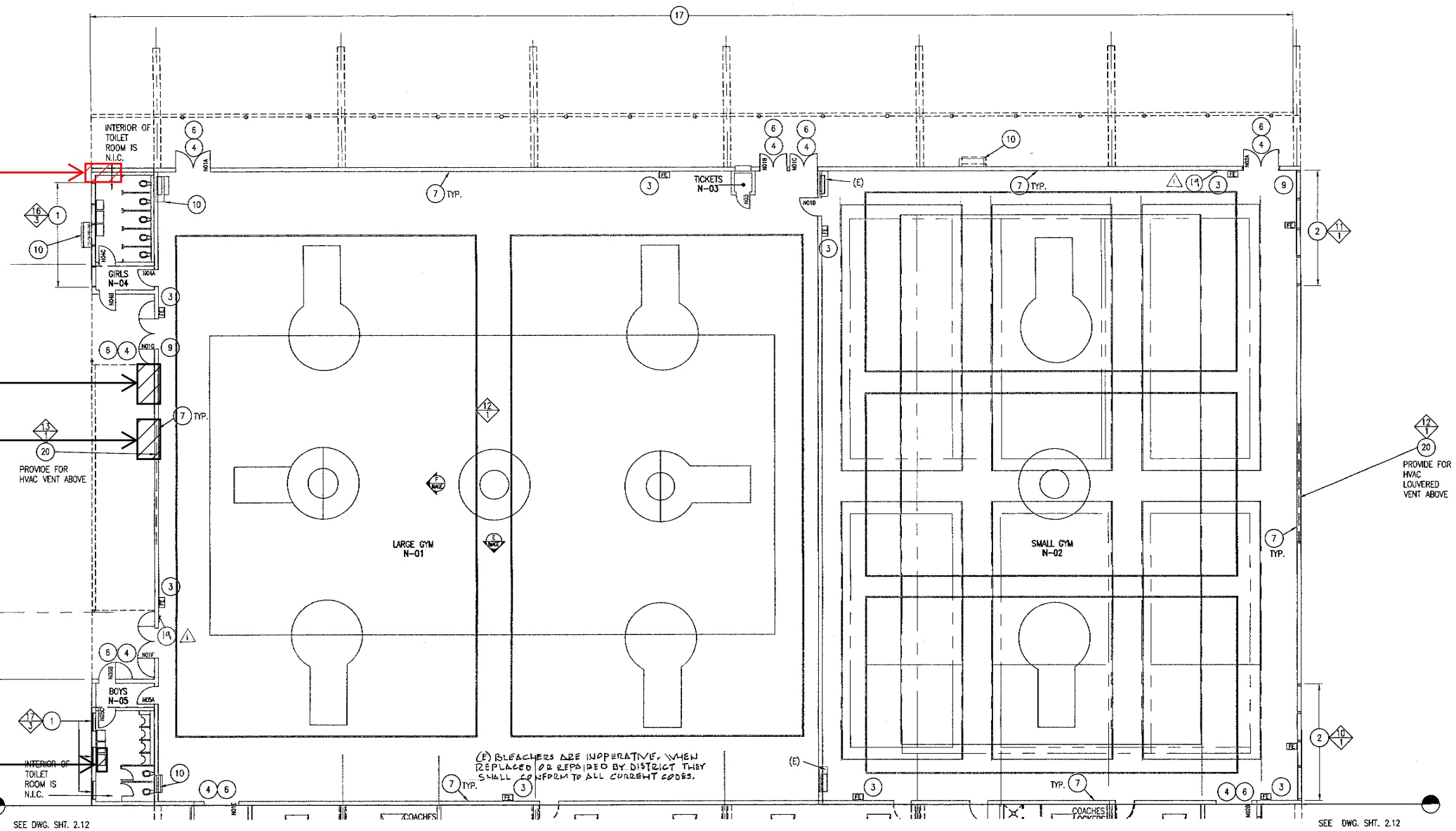
INFILL OPENING WITH EXTERIOR GRADE PLYWOOD, THICKNESS TO MATCH EXISTING. ATTACH WITH STAINLESS STEEL WOOD NAILS 6" ON CENTER. ALL PENETRATIONS TO BE SEALED WITH EXTERIOR GRADE WOOD PUTTY. SEAL ALL EDGES TO ADJACENT FINISH WITH ELASTOMERIC, POLYURETHANE CAULK. SAND AT SEAMS AND PAINT TO MATCH EXISTING ADJACENT FINISH.

AR-4.1

AR-4.2

AR-4.3

AR-2.1



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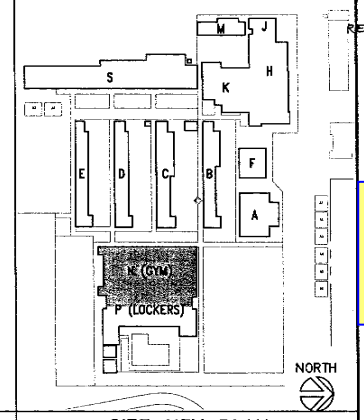
5. NOT USED
6. INSTALL (N) ACCESSIBLE THRESHOLD (18 / AR.2)
7. INSTALL NEW ACOUSTICAL CEILING TILE ON WALLS
8. PATCH (E) WALLS TO MATCH (E) ADJACENT SURFACES. GYPSUM BOARD 09260
9. (E) "CAPACITY LOAD" SIGN
10. INSTALL (N) DRINKING FOUNTAIN DRINKING FOUNTAIN 15400 (20 / A6.2)
17. INSTALL (N) FASCIA GUTTERS AND PATCH & REPAIR DR ROT AT (E) FASCIA BOARDS & METAL GUTTER 07620
18. NOT USED (1 / AR.1)
19. ~~NOT USED~~ ACCESSIBLE LISTENING SIGN. SEE (2 / A2.11)
20. INSTALL LOUVERED MECHANICAL GRILL SEE EXTERIOR ELEVATION SHEET A3.11



SITE KEY PLAN

GYMNASIUM BUILDING FLOOR PLAN 1/8" 1

VBN ARCHITECTS
594 14TH STREET,
~~Suite 300~~
OAKLAND, CA 94612
TELEPHONE (510)763-1313
☐ IL KWON CHA AIA
☐ LEE KARNEY AIA
☐ FRANZ STEINER AIA
☐ ELIEZER M. NAOR AIA

LICENSED ARCHITECT LEE KARNEY C13150 12/31/09 STATE OF CALIFORNIA

ARCHITECT'S STAMP

CONSULTANT'S STAMP

SOUTH SAN FRANCISCO HIGH SCHOOL MODERNIZATION
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
SOUTH SAN FRANCISCO, CALIFORNIA

DIVISION OF THE STATE ARCHITECT
APP.NO. 10 1035
DATE APR 21 2009
AUTHORITY APPROVAL MAR 30 2010

GYMNASIUM FLOOR PLANS

AR 4.1
A2.11 - GYM FLOOR PLANS
08/17/26

DRAWN BY: GM CHECKED BY: RG

A2.11

JOB NO: 98021A2 OF SHEETS

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AR-4.2

DESTRUCTIVE SCOPE

REMOVE 2'-0" WIDE X 2'-0" CEMENT PLASTER DOWN TO LATHE 8" MIN ABOVE T.O. CANOPY. PHOTOGRAPH CONDITION. MAINTAIN 1" OF LATHE FROM EDGE OF REMOVED CEMENT PLASTER FOR FUTURE LATHE PATCH BACK AND REMOVE THE INTERIOR REMAINDER. STOP DESTRUCTION AT WRB.

CONTACT ARCHITECT FOR CAVITY REVIEW AND DOCUMENTATION PRIOR TO PATCH BACK. LADDER TO BE PROVIDED.

PATCH BACK SCOPE

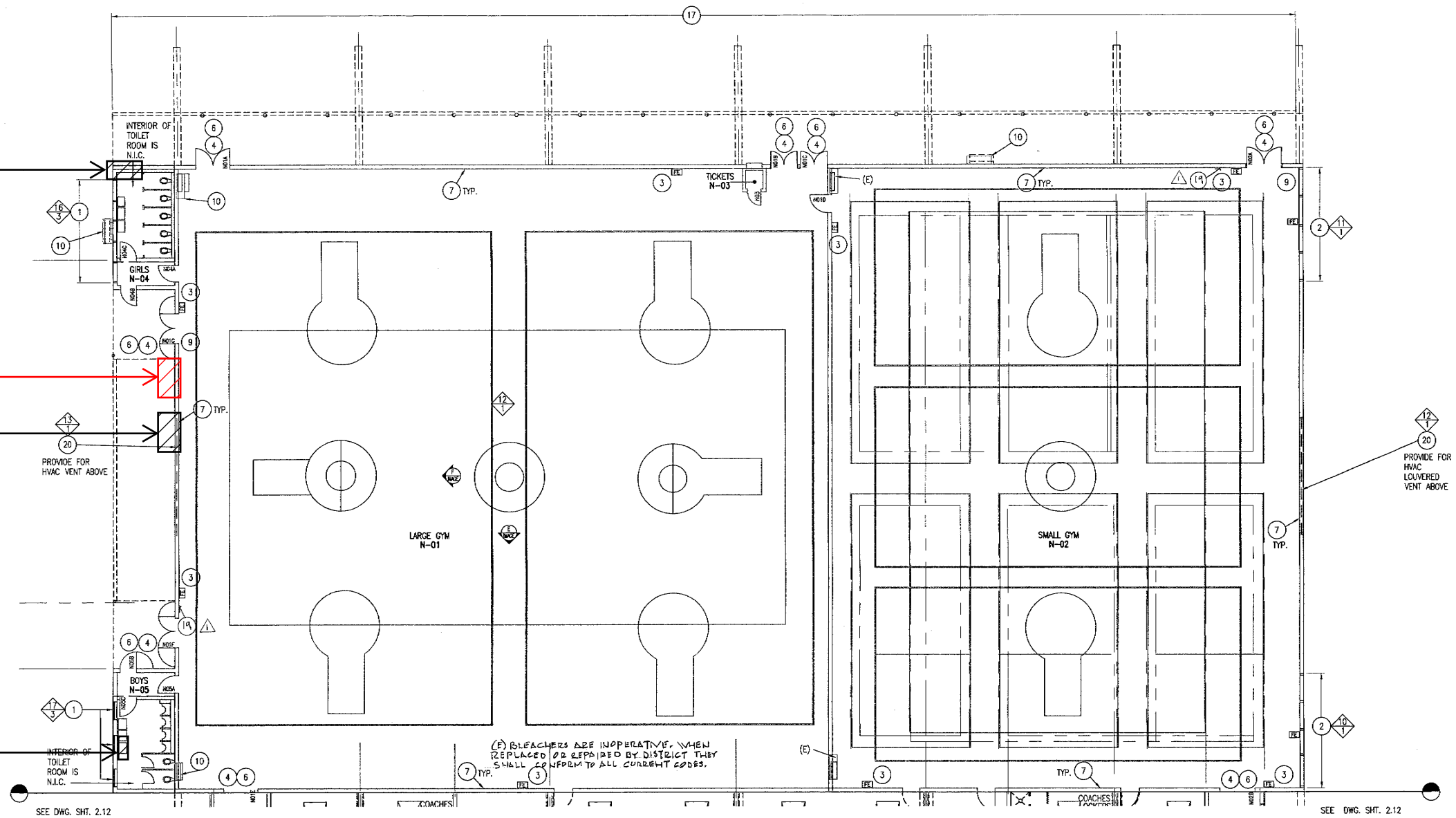
PATCH CEMENT PLASTER PER ASTM C926 WITH 1" LATHE LAPPING REQUIREMENTS. PAINT TO MATCH ADJACENT FINISH.

AR-4.1

AR-4.2

AR-4.3

AR-2.1



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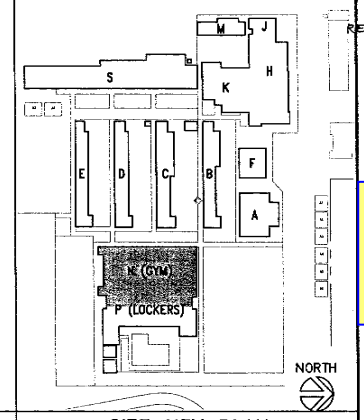
19. ~~NOT USED~~ ACCESSIBLE LISTENING SIGN. SEE (2/A2.11) △
20. INSTALL LOUVERED MECHANICAL GRILL SEE EXTERIOR ELEVATION SHEET A3.11



SITE KEY PLAN

GYMNASIUM BUILDING FLOOR PLAN 1/8" 1

VBN ARCHITECTS
~~564~~ 568 14TH STREET, ~~Suite 380~~
OAKLAND, CA 94612
TELEPHONE (510)763-1313
☐ IL KWON CHA AIA
☐ LEE KARNEY AIA
☐ FRANZ STEINER AIA
☐ ELIEZER M. NAOR AIA

LICENSED ARCHITECT LEE KARNEY C13150 12-31-11 STATE OF CALIFORNIA

ARCHITECT'S STAMP

CONSULTANT'S STAMP

SOUTH SAN FRANCISCO HIGH SCHOOL MODERNIZATION
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
SOUTH SAN FRANCISCO, CALIFORNIA

DIVISION OF THE STATE ARCHITECT
APP.ID 10 1035
DATE APR 21 2009
AUTHORITY APPROVAL MAR 30 2010

GYMNASIUM FLOOR PLANS

AR 4.2
A2.11 - GYM FLOOR PLANS
08/17/26

DRAWN BY: GM CHECKED BY: RG

A2.11

JOB NO: 98021A2 OF SHEETS

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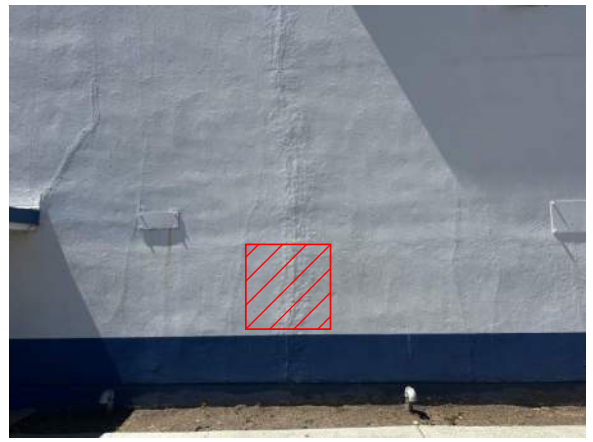


AR-4.3

DESTRUCTIVE SCOPE

REMOVE 2'-0" WIDE X 2'-0" CEMENT PLASTER DOWN TO LATHE 8" MIN ABOVE T.O. CANOPY. PHOTOGRAPH CONDITION. MAINTAIN 1" OF LATHE FROM EDGE OF REMOVED CEMENT PLASTER FOR FUTURE LATHE PATCH BACK AND REMOVE THE INTERIOR REMAINDER. STOP DESTRUCTION AT WRB.

CONTACT ARCHITECT FOR CAVITY REVIEW AND DOCUMENTATION PRIOR TO PATCH BACK.

PATCH BACK SCOPE

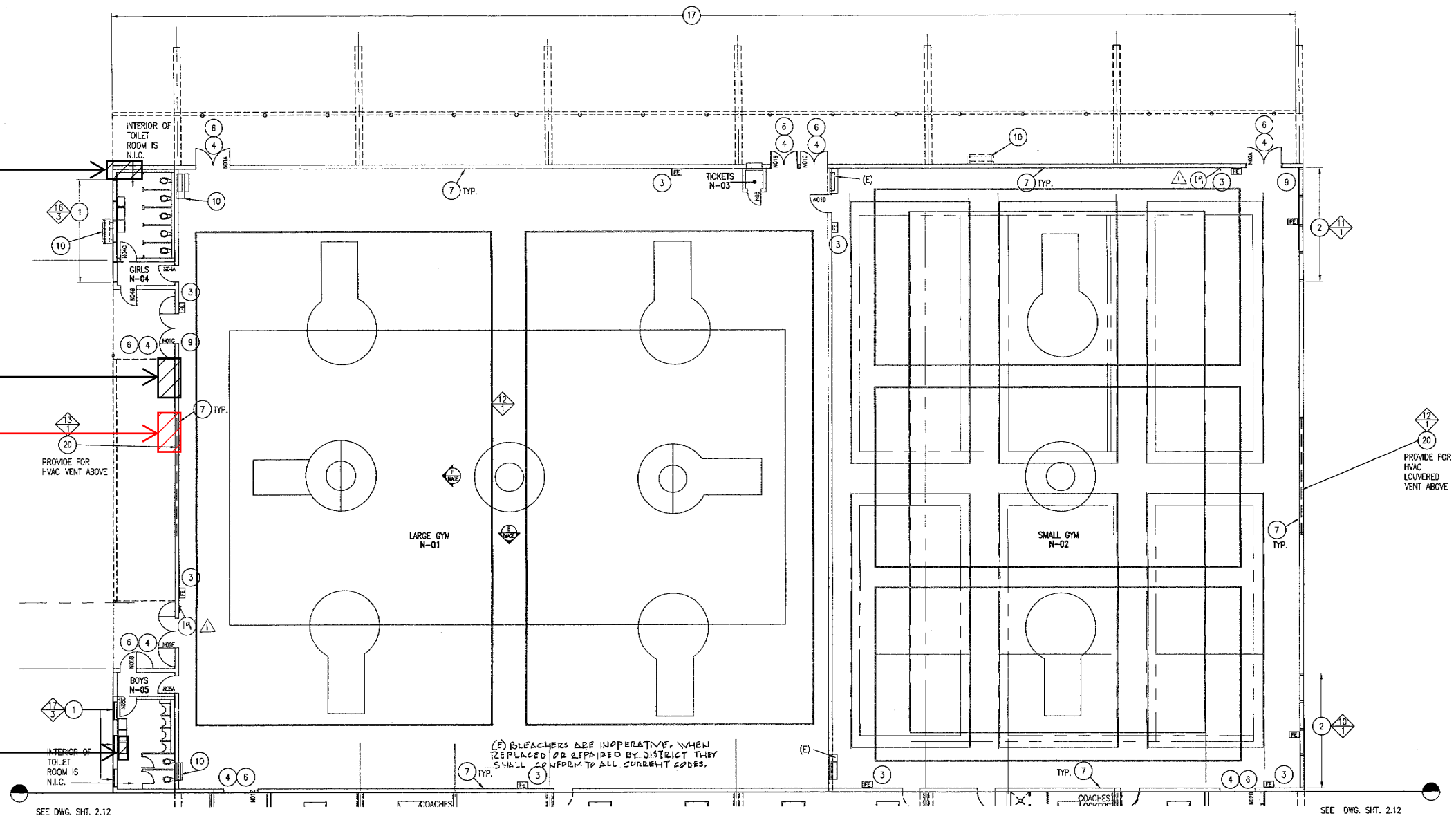
PATCH CEMENT PLASTER PER ASTM C926 WITH 1" LATHE LAPPING REQUIREMENTS. PAINT TO MATCH ADJACENT FINISH.

AR-4.1

AR-4.2

AR-4.3

AR-2.1



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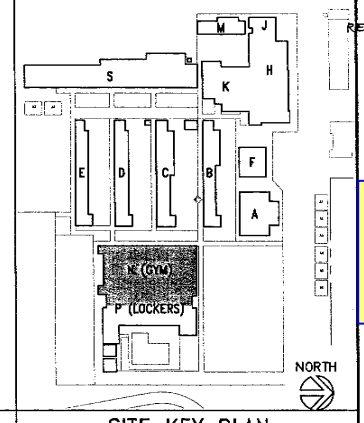

SITE KEY PLAN

GYMNASIUM BUILDING FLOOR PLAN 1/8" 1

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LICENSED ARCHITECT LEE KARNEY 03150 12-31-11 STATE OF CALIFORNIA

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SOUTH SAN FRANCISCO HIGH SCHOOL MODERNIZATION
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SOUTH SAN FRANCISCO, CALIFORNIA

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DRAWN BY: GM CHECKED BY: RG

A2.11

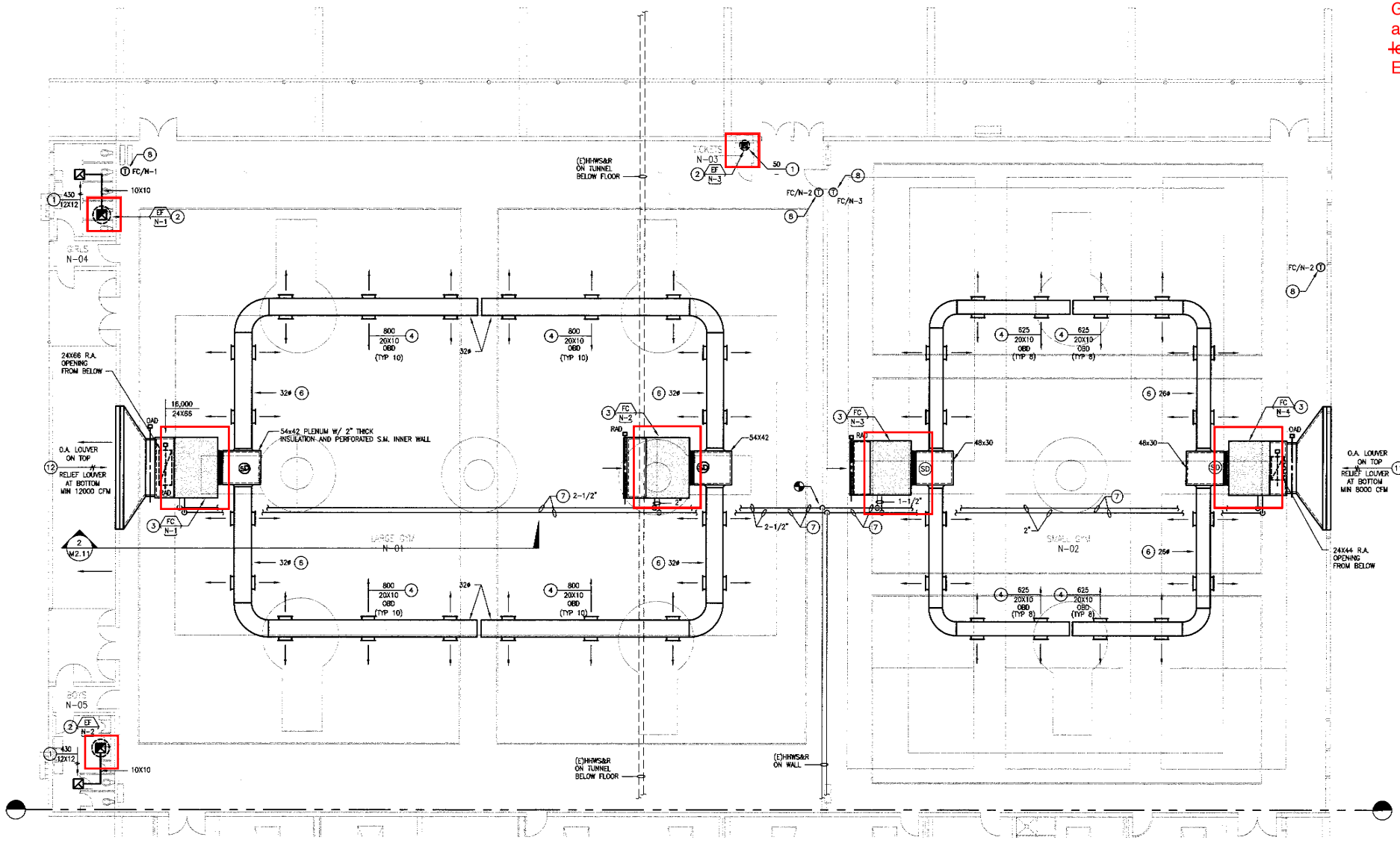
JOB NO: 98021A2 OF SHEETS

F:\98021-South_SanFrancisco_JDS\98021A2-South_SF_ARA2211.dwg 5/6/18 2001

ATTACHMENT E - ELECTRICAL AND LOW VOLTAGE SYSTEMS INVESTIGATION
GYM BUILDING MECHANICAL TEST AND INSPECTION OF ALL HVAC
MEP-4

ITEM "MEP 4"

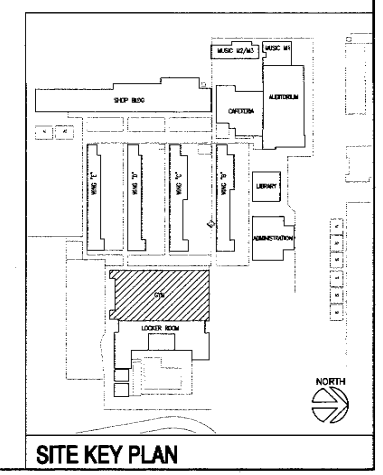
Gym building - Mechanical tech general test and inspection of all HVAC units (Gym AHU's, ~~locker room Fan coils~~ and exhaust fans). Equipment is shown on this sheet



1 FLOOR PLAN - GYMNASIUM
SCALE: 1/8"=1'-0"

KEY NOTES

1. PROVIDE NEW "TITUS" MODEL 50F EGGCRATE CEILING EXHAUST REGISTER, WITH 1/2" X 1/2" X 1/2" GRID, TO BE OF ALUMINUM CONSTRUCTION AND 12"X12" FACE. COORDINATE WITH ARCHITECTURAL RETRACTED CEILING PLAN.
2. PROVIDE NEW MUSHROOM TYPE EXHAUST FAN, SEE M0.01 FOR SCHEDULE AND M6.01 FOR MOUNTING DETAIL.
3. PROVIDE (N) HORIZONTAL CEILING HUNG AIR HANDLING UNIT. SEE M0.01 FOR SCHEDULE AND M6.01 FOR PIPING & M6.02 FOR MOUNTING DETAIL.
4. PROVIDE (N) "TITUS" MODEL DL - 35RAM LOUVER GRILLES TO BE STEEL CONSTRUCTION AND COORDINATE COLOR WITH ARCHITECT.
5. 26X32 O.A., UP THRU ROOF.
6. SUPPLY AIR EXPOSED SPIRAL DUCT.
7. PROVIDE (N) HWHS&R. SEE M6.01 FOR SUPPORT DETAIL.
8. PROVIDE (N) THERMOSTAT. COORDINATE WITH ARCHITECT FOR MOUNTING HEIGHT. REWIRE IF REQUIRED TO BE COMPATIBLE WITH (N) CONTROLLER. REFER TO M7.01 & M7.02 FOR CONTROL DIAGRAMS.
9. ARCHITECTURAL RELIEF LOUVER. TOTAL NET FREE AREA SHALL BE A MINIMUM OF 20 SQ FT. PROVIDE WMS AND COUNTERWEIGHTED AND STAINLESS STEEL BSD. SET AT 0.08"W.G.
10. NOT USED.
11. OA INTAKE MIN FREE AREA SHALL BE 12.5 SQ FT AND RELIEF AIR LOUVER FREE AREA SHALL BE MIN OF 7 SQ FT. PROVIDE 3 FT SEPARATION BET OA AND RA WITH SM. PAINT COLOR AS DIRECTED BY ARCHITECT.
12. OA INTAKE MIN FREE AREA SHALL BE 35 SQ FT AND RELIEF AIR LOUVER FREE AREA SHALL BE MIN OF 18 SQ FT. PROVIDE 3 FT SEPARATION BET OA AND RA WITH SM. PAINT COLOR AS DIRECTED BY ARCHITECT.



SITE KEY PLAN

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- ☐ IL KWON CHA AIA
- ☐ LEE KARNEY AIA
- ☐ FRANZ STEINER AIA
- ☐ ELIEZER M. NAOR AIA

LICENSED ARCHITECT LEE KARNEY C 13158 EXP. 8-31-01 STATE OF CALIFORNIA

ARCHITECT'S STAMP

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REGISTERED PROFESSIONAL ENGINEER No. M26141 Exp. 6/30/01 MECHANICAL STATE OF CALIFORNIA

CONSULTANT'S STAMP

S. S.F. HIGH SCHOOL MODERNIZATION
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
SOUTH SAN FRANCISCO, CALIFORNIA

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPL 01 101035
AC FLS SS
RE-DATE APR 2 1 1999

AGENCY STAMP MAR 3 0 2001

FLOOR PLAN - GYMNASIUM

MEP 4.1
M2.11 - FLOOR PLAN - GYMNASIUM
08/17/26

8/28/98	DESIGN DEVELOPMENT
9/22/98	DSA SUBMITTAL
4/5/99	REVIEW SET
4/16/99	BID SET
3/29/01	DSA REVIEW
11/1/01	RECORD

DRAWN BY: EPB
CHECKED BY: LM
SCALE: 1/8"=1'-0"

M2.11

JOB NO: 98021A OF SHEETS

GYMNASIUM EQUIPMENT SCHEDULES

EXHAUST FAN SCHEDULE

TAG	MANUFACTURER AND MODEL NO.	BUILDING	AREA SERVED	LOCATION	BLOWER			MOTOR			OPERATING WEIGHT LBS	REMARKS
					CFM	TSP IN. WG.	RPM	HP	VOLTS/PH	DRIVE		
EF/N-1	GREENHECK GB-90	GYMNASIUM	GIRLS TOILET N-04	ROOF	430	0.25	910	1/4	115/1	BELT	45	(1)
EF/N-2	GREENHECK GB-90	GYMNASIUM	BOYS TOILET N-05	ROOF	430	0.25	910	1/4	115/1	BELT	45	(1)
EF/N-3	GREENHECK G-60-E	GYMNASIUM	TICKETS N-03	ROOF	50	0.25	1050	1/200	115/1	BELT	30	(1)

(1) PROVIDE BDD & SOUND CURB

FAN COIL SCHEDULE

TAG	MANUFACTURER AND MODEL NO.	BUILDING	AREA SERVED	FAN DATA					HEATING DATA							FILTER DATA			REMARKS
				UNIT CFM	TOTAL S.P.	MOTOR BHP	MOTOR HP	RPM	ROWS	HEATING (MBH)	ENT. AIR DB	LVG. AIR DB	HEATING MEDIUM WATER TEMP	WATER GPM	WATER P.D.	TYPE	AREA SQ. FT.	OPERATING WEIGHT (LBS)	
FC/N-1	PACE VERTICAL	GYMNASIUM	LARGE GYM – NORTH SIDE	16,000	2.0	7.46	10	1471	4	864	40	90	180	43.2	5.0	1"THROW AWAY	32	5000	(1) (A)
FC/N-2	PACE VERTICAL	GYMNASIUM	LARGE GYM – SOUTH SIDE	16,000	2.0	7.46	10	1471	2	345.6	70	90	180	17.3	5.0	1"THROW AWAY	32	5000	(1) (A)
FC/N-3	PACE PAH18AF	GYMNASIUM	SMALL GYM – NORTH SIDE	10,000	2.0	4.58	7.5	1450	2	216.0	70	90	180	10.8	5.0	1"THROW AWAY	20	4250	(1) (A)
FC/N-4	PACE PAH18AF	GYMNASIUM	SMALL GYM – SOUTH SIDE	10,000	2.0	4.58	7.5	1450	4	540	40	90	180	27	5.0	1"THROW AWAY	20	4250	(1) (A)

(1) PROVIDE 2" DOUBLE WALL CONSTRUCTION W/ PERFORATED INNER LINING, COPPER FINNED COIL & ALL STAINLESS STEEL CONSTRUCTION CONTROL DAMPERS.

MUSIC M2/M3 EQUIPMENT SCHEDULES

EXHAUST FAN SCHEDULE

TAG	MANUFACTURER AND MODEL NO.	BUILDING	AREA SERVED	LOCATION	BLOWER			MOTOR			OPERATING WEIGHT LBS	REMARKS
					CFM	TSP IN. WG	RPM	HP	VOLTS/PH	DRIVE		
EF/M-1	GREENHECK GB-90	MUSIC M2/M3	BAND UNIFORM ROOM M-01	ROOF	620	0.25	1110	1/4	115/1	BELT	45	
EF/M-2	GREENHECK GB-70	MUSIC M2/M3	BOY'S M-04 & GIRL'S M-05	ROOF	320	0.25	1050	1/4	115/1	BELT	45	

UNIT VENTILATOR SCHEDULE

UNIT TAG	MANUFACTURER AND MODEL NO.	BUILDING	AREA SERVED	FAN DATA			HEATING DATA							FILTER DATA			REMARKS
				UNIT CFM	EXT S.P.	MOTOR HP	COIL TYPE	HEATING (MBH)	ENT. AIR DB	LVG. AIR DB	HEATING MEDIUM WATER TEMP	WATER GPM	WATER P.D.	TYPE	AREA SQ. FT.	OPERATING WEIGHT (LBS)	
UV/M-1	TRANE MOD. FORCE-FLO 12	MUSIC M2/M3	CLASSROOM M-03	1200	0.25	1/4	–	46.7	55.5	91.5	180	2.0	5.0	1" THROW AWAY	3.83	250	

FAN COIL SCHEDULE

UNIT TAG	MANUFACTURER AND MODEL NO.	BUILDING	AREA SERVED	FAN DATA			HEATING DATA							FILTER DATA			REMARKS
				UNIT CFM	EXT S.P.	MOTOR HP	COIL TYPE	HEATING (MBH)	ENT. AIR DB	LVG. AIR DB	HEATING MEDIUM WATER TEMP	WATER GPM	WATER P.D.	TYPE	AREA SQ. FT.	OPERATING WEIGHT (LBS)	
FC/M-1	PACE SCF12A	MUSIC M2/M3	PRACTICE ROOM	3000	1.25	2.0	–	69.4	61.4	82.8	180	5.0	0.5	1"THROW AWAY	2.72	500	(A)

(1) PROVIDE 2" DOUBLE WALL CONSTRUCTION, ALL STAINLESS STEEL CONSTRUCTION CONTROL DAMPERS & COPPER FINNED COILS W/ S.S. FRAME.

(2) PROVIDE PREMIUM EFFICIENCY MOTOR. REFER TO SPECIFICATION SECTION 15051-3.

SHOP BUILDING EQUIPMENT SCHEDULE

UNIT HEATER SCHEDULE

TAG	MANUFACTURER AND MODEL NO.	BUILDING	AREA SERVED	FAN DATA			HEATING DATA						FILTER DATA		OPERATING WEIGHT (LBS)	REMARKS
				UNIT CFM	EXT S.P.	MOTOR H.P.	COIL TYPE	INPUT MBH	ENT. AIR DB (°F)	LVG. AIR DB (°F)	HEATING MEDIUM WATER EWT (°F)	WATER GPM	WATER P.D.	TYPE	AREA SQ. FT.		
UH/S-1	TRANE UHS-260-S	SHOP	S-06 METAL SHOP	4100	0.25	1/2	–	120	70	96	180	10.94	0.69	1"THROW AWAY	8.2	–	(A)
UH/S-2	TRANE UHS-260-S	SHOP	S-06 METAL SHOP	4100	0.25	1/2	–	120	70	96	180	10.94	0.69	1"THROW AWAY	8.2	–	(A)

(2) STAINLESS STEEL HEAT EXCHANGER.

N.I.C.

BOYS AND GIRLS LOCKER ROOM EQUIPMENT SCHEDULES

EXHAUST FAN SCHEDULE

TAG	MANUFACTURER AND MODEL NO.	BUILDING	AREA SERVED	LOCATION	BLOWER			MOTOR			OPERATING WEIGHT LBS	REMARKS
					CFM	TSP IN. WG	RPM	HP	VOLTS/PH	DRIVE		
EF/P-1	GREENHECK GB-80	GIRLS AND BOYS LOCKER ROOM	COACHES LOCKERS P-03	ROOF	380	0.25	1050	1/4	115/1	BELT	45	
EF/P-2	GREENHECK GB-100	GIRLS AND BOYS LOCKER ROOM	EQUIPMENT ROOMS P-14 & P-15	ROOF	640	0.25	1020	1/4	115/1	BELT	75	
EF/P-3	GREENHECK GB-120	GIRLS AND BOYS LOCKER ROOM	BOYS' SPECIAL EXERCISE RM P-18	ROOF	1250	0.25	1180	1/4	115/1	BELT	75	
EF/P-4	GREENHECK GB-120	GIRLS AND BOYS LOCKER ROOM	GIRLS' SPECIAL EXERCISE RM P-19	ROOF	1250	0.25	1180	1/4	115/1	BELT	75	
EF/P-5	GREENHECK GB-80	GIRLS AND BOYS LOCKER ROOM	EQUIPMENT ROOM P-23	ROOF	550	0.25	1290	1/4	115/1	BELT	45	
EF/P-6	GREENHECK GB-80	GIRLS AND BOYS LOCKER ROOM	COACHES LOCKER P-25	ROOF	380	0.25	1050	1/4	115/1	BELT	45	
EF/P-7	GREENHECK GB-120	GIRLS AND BOYS LOCKER ROOM	GIRLS LOCKER ROOM P-31	ROOF	1315	0.25	1225	1/4	115/1	BELT	75	
EF/P-8	GREENHECK GB-120	GIRLS AND BOYS LOCKER ROOM	GIRLS LOCKER ROOM P-31	ROOF	1315	0.25	1225	1/4	115/1	BELT	75	
EF/P-9	GREENHECK GB-140	GIRLS AND BOYS LOCKER ROOM	TEAM ROOM P-32	ROOF	1600	0.25	1075	1/4	115/1	BELT	75	
EF/P-10	GREENHECK GB-80	GIRLS AND BOYS LOCKER ROOM	GIRLS TOILET P-28	ROOF	260	0.25	870	1/4	115/1	BELT	45	
EF/P-11	GREENHECK GB-120	GIRLS AND BOYS LOCKER ROOM	SHOWERS P-29 & DRYING AREA P-30	ROOF	1000	0.25	1045	1/4	115/1	BELT	75	
EF/P-12	GREENHECK GB-120	GIRLS AND BOYS LOCKER ROOM	SHOWERS P-29 & DRYING AREA P-30	ROOF	1000	0.25	1045	1/4	115/1	BELT	75	
EF/P-13	GREENHECK GB-120	GIRLS AND BOYS LOCKER ROOM	SHOWERS P-13 & DRYING AREA P-12	ROOF	1000	0.25	1045	1/4	115/1	BELT	75	
EF/P-14	GREENHECK GB-120	GIRLS AND BOYS LOCKER ROOM	SHOWERS P-13 & DRYING AREA P-12	ROOF	1000	0.25	1045	1/4	115/1	BELT	75	
EF/P-15	GREENHECK GB-80	GIRLS AND BOYS LOCKER ROOM	BOYS TOILET P-10	ROOF	330	0.25	990	1/4	115/1	BELT	45	
EF/P-16	GREENHECK GB-120	GIRLS AND BOYS LOCKER ROOM	BOYS LOCKER ROOM P-05	ROOF	1315	0.25	1225	1/4	115/1	BELT	75	
EF/P-17	GREENHECK GB-120	GIRLS AND BOYS LOCKER ROOM	BOYS LOCKER ROOM P-05	ROOF	1315	0.25	1225	1/4	115/1	BELT	75	
EF/P-18	GREENHECK GB-120	GIRLS AND BOYS LOCKER ROOM	TEAM ROOM A P-06	ROOF	1000	0.25	1045	1/4	115/1	BELT	75	
EF/P-19	GREENHECK GB-120	GIRLS AND BOYS LOCKER ROOM	TEAM ROOM B P-07	ROOF	1000	0.25	1045	1/4	115/1	BELT	75	
EF/P-20	GREENHECK GB-70	GIRLS AND BOYS LOCKER ROOM	TOILET P-09	ROOF	180	0.25	1170	1/4	115/1	BELT	45	

FAN-COIL UNIT SCHEDULE

TAG	MANUFACTURER AND MODEL NO.	BUILDING	AREA SERVED	FAN DATA					HEATING DATA						FILTER DATA			REMARKS
				UNIT CFM	EXT S.P.	MOTOR BHP	RPM	MOTOR HP	HEATING (MBH)	ENT. AIR DB	LVG. AIR DB	HEATING MEDIUM WATER TEMP	WATER GPM	WATER P.D.	TYPE	AREA SQ. FT.	OPERATING WEIGHT (LBS)	
FC/P-1	PACE SCF 11A/114FC	GIRLS AND BOYS LOCKER ROOM	INTERIOR ROOMS – NORTH SIDE	1800	1.5	0.83	1032	1.5	49	70	95	180	2.5	5.0	2"THROW AWAY	4.4	400	(2) (3)
FC/P-2	PACE SCF 11A/114FC	GIRLS AND BOYS LOCKER ROOM	INTERIOR ROOMS – SOUTH SIDE	1800	1.5	0.83	1032	1.5	49	70	95	180	2.5	5.0	2"THROW AWAY	4.4	400	(2) (3)
FC/P-3	PACE SCF11A/97FC	GIRLS AND BOYS LOCKER ROOM	DRYING AREA P-30 & SHOWERS P-29	1600	(1)	1.02	1406	1.5	30	70	87	180	2.0	5.0	1"THROW AWAY	3.2	500	(2) (3)
FC/P-4	PACE SCF11A/97FC	GIRLS AND BOYS LOCKER ROOM	GIRLS LOCKER ROOM P-31	2200	(1)	1.67	1597	2	40	70	87	180	3.0	5.0	1"THROW AWAY	4.4	500	(2) (3) (A)
FC/P-5	PACE SCF11A/97FC	GIRLS AND BOYS LOCKER ROOM	TEAM ROOM P-32	1300	(1)	1.00	1400	1.5	40	70	98	180	3.0	5.0	1"THROW AWAY	2.6	500	(2) (3)
FC/P-6	PACE SCF11A/97FC	GIRLS AND BOYS LOCKER ROOM	DRYING AREA P-12 & SHOWER P-13	1600	(1)	1.02	1406	1.5	30	70	87	180	2.0	5.0	1"THROW AWAY	3.2	500	(2) (3)
FC/P-7	PACE SCF11A/97FC	GIRLS AND BOYS LOCKER ROOM	BOYS LOCKER ROOM P-05	2200	(1)	1.67	1597	2	40	70	87	180	3.0	5.0	1"THROW AWAY	4.4	500	(2) (3) (A)
FC/P-8	PACE SCF8A/U8FC	GIRLS AND BOYS LOCKER ROOM	TEAM ROOM A P-06	800	(1)	0.46	–	.75	30	70	105	180	2.0	5.0	1"THROW AWAY	1.6	300	(2) (3)
FC/P-9	PACE SCF8A/U8FC	GIRLS AND BOYS LOCKER ROOM	TEAM ROOM B P-07	800	(1)	0.46	–	.75	30	70	105	180	2.0	5.0	1"THROW AWAY	1.6	300	(2) (3)
FC/P-10	PACE SCF8A/U8FC	GIRLS AND BOYS LOCKER ROOM	EQUIPMENT DRYING ROOM P-08	800	(1)	0.46	–	.75	30	70	105	180	2.0	5.0	1"THROW AWAY	1.6	300	(2) (3)
FC/P-11	PACE SCF 9A/97FC	GIRLS AND BOYS LOCKER ROOM	INTERIOR ROOMS – NORTH SIDE	1200	0.5	0.48	1077	1	32	70	95	180	1.6	5.0	2"THROW AWAY	2.0	350	(2) (3)
FC/P-12	PACE SCF8A/97FC	GIRLS AND BOYS LOCKER ROOM	INTERIOR ROOMS – SOUTH SIDE	1200	0.5	0.48	1077	1	32	70	95	180	1.6	5.0	2"THROW AWAY	2.0	350	(2) (3)

(1) FREE BLOW AIR DISTRIBUTION SYSTEM.

(2) PROVIDE 2" DOUBLE WALL CONSTRUCTION, ALL STAINLESS STEEL CONSTRUCTION CONTROL DAMPERS & COPPER FINNED COILS W/ S.S. FRAME.

(3) PROVIDE PREMIUM EFFICIENCY MOTOR. REFER TO SPECIFICATION SECTION 15051-3.

HEATING COIL SCHEDULE

COIL TAG	MANUFACTURER AND MODEL NO.	BUILDING	AREA SERVED	CFM	SIZE W"xH"	AREA (SQ FT) PER COIL	VEL. FPM	ROWS	GPM	WATER TEMP.-°F ON	WATER TEMP.-°F OFF	AIR TEMP.-°F EDB-EWB	AIR TEMP.-°F LDB-LWB	APD (MAX)	WPD (MAX)	CONTROL VALVE Cv	REMARKS
HC/P-1	TEMTROL	GIRLS AND BOYS LOCKER ROOM	INTERIOR ROOMS – NORTH SIDE	900	16x16	1.8	500	1	2.5	180	150	55	90	0.15	5	1.25	(1)
HC/P-2	TEMTROL	GIRLS AND BOYS LOCKER ROOM	INTERIOR ROOMS – NORTH SIDE	1775	22x22	3.6	500	1	4.5	180	150	55	90	0.15	5	2.25	(1)
HC/P-3	TEMTROL	GIRLS AND BOYS LOCKER ROOM	INTERIOR ROOMS – NORTH SIDE	1740	22x22	3.6	500	1	4.5	180	150	55	90	0.15	5	2.25	(1)
HC/P-4	TEMTROL	GIRLS AND BOYS LOCKER ROOM	INTERIOR ROOMS – NORTH SIDE	875	16x16	1.8	500	1	2.5	180	150	55	90	0.15	5	1.25	(1)

(1) COPPER TUBE, COPPER FINS & S.S. FRAME

NOTE

(A) SEE DETAIL 2, 3, 4/M7.02 FOR FAN SHUT DOWN SEQUENCE.

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SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
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AGENCY STAMP MAR 3 0 2001

SCHEDULES

MEP 4.2
M0.02 - SCHEDULES
08/17/26

DATE	ISSUE	REV.
6/28/98	SCHEM. DESIGN	–
8/28/98	DESIGN DEVELOPMENT	
9/22/98	ORS SUBMITTAL	
4/6/99	REVIEW SET	
4/16/99	BID SET	
3/29/01	DSA REVIEW	
11/21	2/5/10	

DRAWN BY: EPB
CHECKED BY: LM
SCALE: NONE

M0.02

JOB NO: 98021A OF SHEETS

HVAC Technical Assessment Checklist

Technician Name: _____

Date: _____

Unit ID / Tag: _____

System Type: (RTU / Split / Exhaust Fan)

1. Controls

Check existing thermostat or controller. Cycle to each mode to verify it's functioning correctly.

Status: _____

2. Air Filtration & Cleanliness (Gym)

Inspect Filters: Check loading condition of existing filters.

Loading %: _____

Measure Filter Pressure Drop: Take Magnehelic gauge readings to determine static pressure load.

Pressure drop: _____

Size: _____ Qty: _____ Type/MERV: _____

Inspect Filter Racks: Ensure bypass seals are intact to prevent unfiltered air from bypassing the coils.

Condition: _____

3. Belts, Pulleys, & Blower Assembly

Inspect Blower Belt: Check for cracking, fraying, dry rot, or glazing.

Condition: _____

Check Belt Tension: Verify deflection

Condition: _____

Check Blower Wheel & Bearings: Spin wheel manually to check for bearing play, noise, or excessive dust buildup on blades.

Condition: _____

4. Coils

Inspect Coils: Check for dirt buildup, fin damage, or biological growth (critical in high-humidity locker room returns).

Condition: _____

5. Electrical & Mechanical Diagnostics

Electrical Tightness: Inspect contactors for pitting and tighten all loose terminal connections.

Condition: _____

6. Outdoor Air (OA) Damper: Verify minimum OA damper position to ensure adequate fresh air intake. Check actuator functionality.

Condition/ Status: _____

7. Lifecycle Assessment & Recommendations

Based on the physical and mechanical evaluation of this asset, select the final status:

STATUS A: Routine Maintenance Needed. System is operational, but needs maintenance.

_____

STATUS B: Repair Required. System is operational but needs component replacement to prevent failure.Items Needed:

_____

STATUS C: Complete System Replacement Recommended. Unit is at end-of-life, structurally compromised, or repair costs exceed value.

Justification (e.g., rusted drain pan, cracked heat exchanger, compressor burnout):

_____