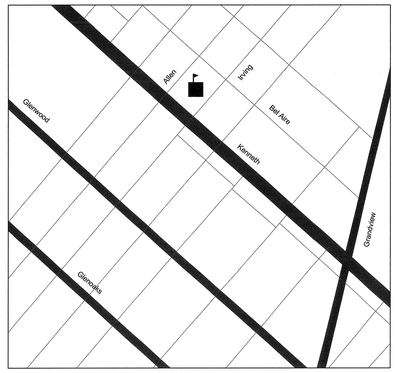
GLENDALE UNIFIED SCHOOL DISTRICT
BALBOA E.S. PORTABLE | PHASE 2

GLENDALE, CA



N

VICINITY MAP
Scale: NTS

OWNER
GLENDALE UNIFIED SCHOOL DISTRICT
223 N. JACKSON STREET
GLENDALE, CA 91206
OWNER PHONE
CONTACT NAME

ARCHITECT
NAC/ARCHITECTURE
837 NORTH SPRING STREET, THIRD FLOOR
LOS ANGELES, CA 90012
000.000.0000
CONTACT NAME

CIVIL ENGINEER
BREEN ENGINEERING
1983 WEST 190TH STREET, STE 200
TORRANCE, CA 90504
JSOWA@BREENENG.COM
JOSHUA SOWA

ELECTRICAL ENGINEER
TURPIN & RATTAN ENGINEERING, INC.
2441 HONOLULU AVE, STE 200
MONTROSE, CA 91020
KKRAUT@TREILA.COM
KEN KRAUT

SUMMARY OF WORK

1. RELOCATION OF (1) 24X60 RELOCATABLE CLASSROOM BUILDING STOCK PILE # 101287, SERIAL No. 32425/32426 & PLAYFIELDS
2. NEW SPORTS STRIPING
3. NEW AC PAVING
4. NEW CHAINLINK FENCE AND GATE
5. NEW TREE BOXES AROUND EXISTING TREES

APPLICABLE CODES 2016

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

TITLE 24 CCR, PART 1 - 2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE

TITLE 24 CCR, PART 2 - 2016 CALIFORNIA BUILDING CODE, VOL. 1 & 2 (CBC) (2012 IBC, AS AMENDED BY CA)

TITLE 24 CCR, PART 3 - 2016 CALIFORNIA ELECTRICAL CODE (CEC) (2011 NEC, AS AMENDED BY CA)

TITLE 24 CCR, PART 4 - 2016 CALIFORNIA MECHANICAL CODE (CMC) (2012 IAMPO UMC, AS AMENDED BY CA)

TITLE 24 CCR, PART 5 - 2016 CALIFORNIA PLUMBING CODE (CPC) (2012 IAMPO UPC, AS AMENDED BY CA)

TITLE 24 CCR, PART 6 - 2016 CALIFORNIA ENERGY CODE

TITLE 24 CCR, PART 7 - NOT USED

TITLE 24 CCR, PART 8 - 2016 CALIFORNIA HISTORICAL BUILDING CODE

TITLE 24 CCR, PART 9 - 2016 CALIFORNIA FIRE CODE (CFC) (2012 IFC, AS AMENDED BY CA)

TITLE 24 CCR, PART 10 - 2016 CALIFORNIA EXISTING BUILDING CODE (2009 IEBC, AS AMENDED BY CA)

TITLE 24 CCR, PART 11 - 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen CODE)

TITLE 24 CCR, PART 12 - 2016 CALIFORNIA REFERENCED STANDARDS

PARTIAL LIST OF APPLICABLE STANDARDS

2016 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAPTER 35

2016 CALIFORNIA FIRE CODE REFERENCED STANDARDS CHAPTER 80

2016 NFPA 13, AUTOMATIC SPRINKLER SYSTEMS (AS AMENDED BY CA)

2016 NFPA 72, NATIONAL FIRE ALARM CODE (AS AMENDED BY CA) SEE UL STD 1971 FOR "VISUAL DEVICES"

2016 NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVES

2006 NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS

GEOLOGICAL INVESTIGATION REPORT

N/A

DEFERRED APPROVALS

N/A

DETERIORATION OF EXISTING NON-COMPLIANT CONSTRUCTION

IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BULDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORANCE WITH *CURRENT* CODE REQUIREMENTS. A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK (DSA IR 16-1.13, 5.4).

BUILDING INFO

R-6 (BUILDING 1) STOCKPILE No. 101287 / SERIAL No. 32425/32426

ACTUAL BUILDING AREA: 1440 SF
OCCUPANCY: E-1
TYPE OF CONSTRUCTION: V-B

ALLOWABLE BUILDING AREA	9500 SF	
ACTUAL BUILDING AREA	R-6 = 1440 SF	< 9500 SF OK

FLOOR LIVE LOAD: 50 PSF
ROOF LIVE LOAD: 20 PSF

SHEET INDEX

STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS,INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS
(Application No. 03-118996 **File No.** 19-A1 **)**

☒ THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET

☒ THIS DRAWING, PAGE OF SPECIFICATIONS/CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1) DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND

2) COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317 (b))

I CERTIFY THAT: ☒ **ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET**
☐ **THIS DRAWING OR PAGE**

IS/ARE IN GENERAL CONFORMANCE AND HAVE BEEN COORDINATED

TIMOTHY D. BALLARD — 3/27/19
SIGNATURE **DATE**

ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

TIMOTHY BALLARD
PRINT NAME

C21424 — 8/31/19
LICENSE NUMBER **EXPIRATION DATE**

IS/ARE IN GENERAL CONFORMANCE AND HAVE BEEN COORDINATED

SIGNATURE **DATE**

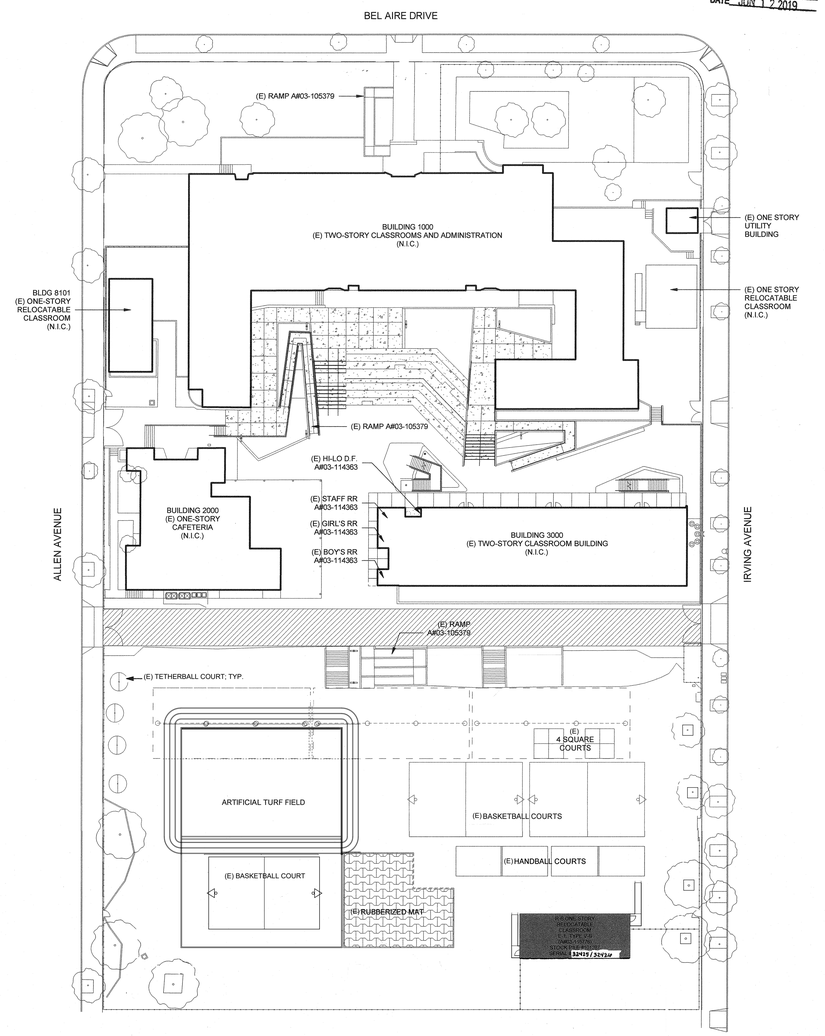
ARCHITECT OR ENGINEER DELEGATED RESPONSIBILITY FOR THIS PORTION OF WORK

PRINT NAME

LICENSE NUMBER **EXPIRATION DATE**

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP 03 118996
AC FLS SS
DATE JUN 12 2019

RELOCATABLE BUILDINGS IN SCOPE OF WORK



1 SITE PLAN
Scale: 1" = 30'-0"

REVISIONS

CONSTRUCTION DOCUMENTS

GLENDALE UNIFIED SCHOOL DISTRICT
BALBOA E.S. PORTABLE | PHASE 2
Balboa Elementary School
1844 Bel Aire Drive, Glendale, CA 91201

NAC ARCHITECTURE
nacarchitecture.co
837 N. SPRING STREET | THIRD FLOOR
LOS ANGELES CA 90012
P.323.475.8075

NAC NO	161-17067
DRAWN	Author
CHECKED	Checker
DATE	03-25-2019

COVER SHEET

G0.00

GENERAL NOTES

1. ALL TESTS SHALL BE PERFORMED BY A LABORATORY CERTIFIED BY THE DIVISION OF THE STATE ARCHITECT EMPLOYED BY THE SCHOOL DISTRICT (OWNER).

2. A DIVISION OF THE STATE ARCHITECT APPROVED CLASS 3 IN-PLANT INSPECTOR AND A DSA APPROVED CLASS 3 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) SHALL PROVIDE CONTINUOUS INSPECTION FOR THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342 PART-1 TITLE 24, CCR.

3. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CCD APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

4. ALL TESTS AND SPECIFICATIONS SHALL CONFORM TO THE LATEST EDITION OF CALIFORNIA CODE OF REGULATIONS, TITLE 24 AND C.B.C. 2016.

5. EACH CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING THIS PROJECT. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND SITE OBSERVATIONS SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION IMMEDIATELY, IN WRITTEN FORM.

6. CONSTRUCTION DOCUMENTS ARE DIAGRAMMATIC. DO NOT SCALE DIMENSIONS OFF THE DRAWINGS. FIELD-VERIFY ALL DIMENSIONS. EACH CONTRACTOR SHALL CONSULT WITH CONSTRUCTION MANAGER REGARDING SCHEDULING OF WORK. EACH CONTRACTOR SHALL SUBMIT CONSTRUCTION SCHEDULE TO THE C.M. FOR APPROVAL BEFORE START OF CONSTRUCTION.

7. EACH CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT EXISTING PIPELINES AND UTILITIES THAT ARE TO REMAIN IN SERVICE. EACH CONTRACTOR SHALL VERIFY WITH THE CONSTRUCTION MANAGER THAT THOSE PIPELINES AND UTILITIES THAT ARE TO BE REMOVED, HAVE BEEN DISCONNECTED, SHUT DOWN OR ABANDONED PRIOR TO ATTEMPTING REMOVAL OR DEMOLITION IN A MANNER TO AVOID ANY DISRUPTION OF EXISTING FACILITIES.

8. ALL DAMAGE DONE TO EXISTING CONSTRUCTION AS A RESULT OF DEMOLITION OR INSTALLATION SHALL BE COMPLETELY REPAIRED BY THE CONTRACTOR AT NO COST TO OWNER. REPAIRED WORK SHALL MATCH EXISTING CONSTRUCTION.

9. PRODUCTS OF DEMOLITION/CONSTRUCTION SHALL BE STORED AND/OR INSTALLED IN A MANNER SUCH THAT NO MATERIALS ARE DAMAGED AND PUBLIC SAFETY IS MAINTAINED.

10. EACH CONTRACTOR SHALL THOROUGHLY CLEAN AND SECURE THE AREA OF CONSTRUCTION AFTER EACH DAY OF WORK.

11. EACH CONTRACTOR SHALL COORDINATE ALL WORK SHOWN ON THE ARCHITECT'S DRAWINGS WITH THE WORK SHOWN ON THE CIVIL AND ELECTRICAL DRAWINGS. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION BY RFI'S (REQUEST FOR INFORMATION) BEFORE ANY NEW WORK IS STARTED.

12. SHUT DOWN OF EXISTING AND OPERATING PLUMBING AND ELECTRICAL SYSTEMS OR PORTIONS THEREOF SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER AND HAVE 72 HOUR NOTICE EXCEPT FOR POWER IN WHICH CASE THE NOTICE MUST BE 2 WEEKS

13. NOT USED

14. PARKED VEHICLES SHALL NOT OBSTRUCT REQUIRED EXITS.

15. STOCKPILES OF DEBRIS AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.

16. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.

17. TRASH AND CONSTRUCTION RELATED DEBRIS MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.

18. DETAILS ARE REFERENCED FOR CONVENIENCE ONLY DETAILS & NOTES SHALL APPLY IN ALL SIMILAR CASES, WHETHER OR NOT SPECIFICALLY REFERENCED.

19. NOT USED

20. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE. DO NOT SCALE THE DRAWINGS ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

21. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES

22. EACH CONTRACTOR SHALL INVESTIGATE, VERIFY, AND BE RESPONSIBLE FOR ALL CONDITIONS AND DIMENSIONS OF THE PROJECT AND SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY CONDITION REQUIRING MODIFICATION OR CHANGE BEFORE PROCEEDING WITH THE WORK BY SUBMITTING A REQUEST FOR INFORMATION.

23. ALL STUD DIMENSIONS ARE TO THE FACE OF STUD, UNLESS NOTED OTHERWISE.CONCRETE OR MASONRY WALLS ARE MEASURED TO THE FACE, UNLESS NOTED OTHERWISE.

24. ALL MATTERS OF COLOR,TEXTURE, DESIGN AND INTERPRETATION OF PLANS SHALL BE REFERRED BY THE CONTRACTOR TO THE CONSTRUCTION MANAGER FOR RESOLUTION BY THE ARCHITECT.

25. WRITTEN DIMENSIONS GOVERN OVER SCALED DIMENSIONS, AND LARGE SCALE DETAILS GOVERN EXISTING BUILDING DIMENSIONS ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.

26. ALL CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY AND WHAT IS SPECIFIED BY ONE SHALL BE BINDING AS IF SPECIFIED BY ALL. ANY WORK SHOWN OR REFERRED TO ON CONSTRUCTION DOCUMENTS, WHETHER DRAWINGS OR SPECIFICATIONS, SHALL BE PROVIDED AS THOUGH IT WERE SHOWN IN ALL RELATED DOCUMENTS.

27. THE GENERAL CONDITIONS AND OWNER/CONTRACTOR AGREEMENT SHALL CONTROL THE EXECUTION, CORRELATION AND INTENT OF THE CONTRACT DOCUMENTS.

28. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY BACKBOARDS, ELECTRICAL OUTLETS, CONDUIT, AND ETC., AS REQUIRED BY THE OWNER'S TELEPHONE COMPANY TO ACCOMMODATE THEIR INSTALLATION.

29. TELEPHONE AND ELECTRICAL OUTLETS ON THE OPPOSITE SIDES OF COMMON WALLS SHALL BE LOCATED IN SEPARATE STUD CAVITIES. NO BACK-TO-BACK OUTLETS SHALL BE ALLOWED. WHERE SPECIFIC DIMENSIONS CONTRADICT THIS NOTE. THE CONTRACTOR SHALL RELOCATE ONE OUTLET TO THE OPPOSITE SIDE OF THE STUD NEAREST THAT DIMENSION.

30. ALL ELECTRICAL, PHONE, MECHANICAL AND PLUMBING LINES SHALL BE CONCEALED UNLESS OTHERWISE NOTED.

31. EACH CONTRACTOR SHALL COORDINATE ALL WORK W/ THE CONSTRUCTION MANAGER TO ASSURE THE CORRECT SEQUENCE METHODS & TIMES OF PERFORMANCE, ARRANGE THE WORK TO IMPOSE THE MINIMUM HARDSHIP ON THE OPERATION & USE OF THE EXISTING CAMPUS.

32. ALL CONSTRUCTION APPARATUS & ACTIVITIES SHALL BE LIMITED TO DESIGNATED AREAS. ALL WORK SHALL BE DONE IN A MANNER WHICH WILL NOT ENDANGER THE USERS OF THE EXISTING CAMPUS.

33. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM

34. SAFEGUARDING OF OWNERS PROPERTY THE CONTRACTOR SHALL CARE, CUSTODY & RESPONSIBILITY FOR SAFEGUARDING ALL OF THE OWNERS PROPERTY OF EVERY KIND WHETHER FIXED OR PORTABLE. FURNISH ALL FORMS OF SECURITY & PROTECTION NECESSARY TO PROTECT THE OWNERS PROPERTY REGARDLESS OF CAUSE EACH CONTRACTOR SHALL REPAIR, REPLACE OR OTHERWISE ACCEPTABLY RESTORE OWNERS PROPERTY UNDER THE CONTRACTOR'S CARE.

35. ALL MATERIAL USED IN THIS PROJECT SHALL BE NEW AND OF A KIND & QUALITY REQUIRED BY CONSTRUCTION DOCUMENTS.

36. NOT USED

37. NOT USED

38. NOT USED

39. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

40. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEATH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

41. THE PROJECT INSPECTOR (PI) IS TO WITNESS AND VERIFY GROUNDING

42. THE FOLLOWING DOCUMENTS SHALL BE ON THE JOB SITE PRIOR TO THE INSTALLATION OF THE UNITS, INCLUDING THE SERIAL NUMBERS FOR EACH UNIT.
A. IN-PLANT FINAL VERIFIED REPORT
B. LABORATORY VERIFIED REPORT
C. WELDING VERIFIED REPORT

43. DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION—IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION,THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A CONSTRUCTION CHANGE ORDER (CCD) OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.

44. ALL WORK SHALL CONFORM TO 2016 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

45. THE SCOPE OF WORK; CLEARLY INDICATED THE SCOPE OF WORK ON THE COVER SHEET OR GENERAL NOTE SHEET OF THE DRAWINGS

46. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT

47. NOT USED

48. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, CCR

49. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER)SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS

50. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SPERATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(c), PART 1, TITLE 24, CCR)

51. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES

52. USE 3,000 PSI MIN. CONCRETE STRNGTH FOR NEW CONCRETE FOUNDATIONS

GENERAL DEMOLITION / PATCH & REPAIR NOTES

1. ALL SURFACES DAMAGED OR ALTERED SHALL BE REPAIRED, PATCHED AND/OR RECONSTRUCTED TO MATCH THE ADJACENT SURFACES.

2. ALL EXISTING EQUIPMENT, FIXTURES, ETC. REMOVED BY THE WORK OF THIS CONTRACT ARE THE PROPERTY OF THE CONTRACTOR (UNLESS NOTED OTHERWISE) AND SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE.

3. "REMOVE" MEANS TO REMOVE THE ITEM COMPLETELY, INCLUDING ALL STRUCTURAL ATTACHMENTS, FRAMES, HARDWARE, ANCHORS, FITTINGS, SUPPORTS, & FOUNDATIONS. CAPPING, PIPING AND CONDUIT BEHIND FINISHED SURFACES. REMOVING WIRING BACK TO THE PANEL AND REPAIRING ALL DAMAGED AREAS.

4. REMOVE ALL ITEMS NOT SHOWN ON THE DEMOLITION PLANS WHICH INTERFERE WITH OR OBSTRUCT THE WORK OF THIS CONTRACT AND ARE NOT NECESSARY TO THE PROPER FUNCTIONING OF THE FACILITY.

5. EXECUTE WORK BY METHODS TO AVOID DAMAGE TO EXISTING ADJACENT WORK TO REMAIN AND WHICH WILL PROVIDE PROPER SURFACES TO RECEIVE PATCHING AND FINISHING.

6. PRODUCTS FOR PATCHING, EXTENDING, AND MATCHING:

   A. PROVIDE SAME PRODUCT OR TYPES OF CONSTRUCTION AS THAT IN EXISTING STRUCTURE, AS NEEDED, TO PATCH,EXTEND OR MATCH EXISTING WORK.

   B. GENERALLY CONTRACT DOCUMENTS WILL NOT DEFINE PRODUCTS OR STANDARDS OR WORKMANSHIP PRESENT IN EXISTING CONSTRUCTION. CONTRACTOR SHALL DETERMINE PRODUCTS BY INSPECTION AND ANY NECESSARY TESTING, AND WORKMANSHIP BY USE OF THE EXISTING AS A SAMPLE OF COMPARISON.

7. PATCH AND EXTEND EXISTING WORK USING SKILLED CRAFTSPERSONS WHO ARE CAPABLE OF MATCHING EXISTING QUALITY OF WORKMANSHIP. QUALITY OF PATCHED OR EXTENDED WORK SHALL NOT BE LESS THAN THAT SPECIFIED FOR NEW WORK.

8. PATCH OR REPLACE ANY PORTION OF AN EXISTING FINISHED SURFACE WHICH IS FOUND TO BE DAMAGED, LIFTED, DISCOLORED, OR SHOWS OTHER IMPERFECTIONS, WITH MATCHING MATERIAL.

   A. PROVIDE ADEQUATE SUPPORT OF SUBSTRATE PRIOR TO PATCHING THE FINISH.

   B. REFINISH PATCHED PORTIONS OF PAINTED OR COATED SURFACES IN A MANNER TO PRODUCE UNIFORM COLOR AND TEXTURE OVER ENTIRE SURFACE.

   C. WHEN EXISTING SURFACE FINISH CANNOT BE MATCHED, REFINISH ENTIRE SURFACE TO NEAREST INTERSECTIONS.

   D. WHEN FINISHED SURFACES ARE CUT IN SUCH A WAY THAT A SMOOTH TRANSITION WITH NEW WORK IS NOT POSSIBLE, TERMINATE EXISTING SURFACE IN NEAT MANNER ALONG A STRAIGHT LINE AT A NATURAL LINE OF DIVISION, AND PROVIDE TRIM APPROPRIATE TO FINISHED SURFACE.

9. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS.

0. DURING DEMOLITION SAFETY PROVISIONS SHALL BE MAINTAINED PER CFC-ARTICLE 87 AND CBC CHAPTER 34:

1. SUITABLE FIRE HOSE, AS REQUIRED BY THE FIRE CHIEF, SHALL BE MAINTAINED AT THE DEMOLITION SITE.

2. DEMOLITION OPERATIONS INVOLVING CUTTING AND WELDING SHALL BE IN ACCORDANCE WITH ART. 49, CFC.

3. COMBUSTIBLE WASTE MATERIAL, TRASH AND RUBBISH SHALL NOT BE BURNED AT THE DEMOLITION SITE, UNLESS
APPROVED.

4. WATER SUPPLY, ACCESS ROUTE AND FIRE PROTECTION SYSTEM SHALL BE MAINTAINED DURING DEMOLITION.

5. ALL OPENINGS IN EXISTING WALLS, FLOORS, CEILING AND ROOFS, THAT ARE THE RESULT OF DEMOLITION TO REMOVE
EXISTING SYSTEMS/COMPONENTS, ARE TO BE PATCHED AND REPAIRED TO MATCH EXISTING FINISHES.

6. CONTRACTOR TO PATCH AND REPAIR EXISTING WALLS, FLOORS, CEILING AND ROOFS TO MATCH EXISTING FINISHES
WHERE CUTTING AND DEMOLITION IS REQUIRED TO INSTALL THE WORK.

7. WHERE CEILING MOUNTED FIRE ALARM DEVICES ARE DEMOLISHED, REMOVE ALL ASSOCIATED SWITCHES, CONTROLS, CONDUIT AND WIRING BACK TO THE PANEL. CAP TO CONCEAL BEHIND NEAREST, WALL, FLOOR OR CEILING AS REQUIRED.

8. THE WORK OF THIS PROJECT INVOLVES ADDITION TO AND ALTERATIONS OF THE EXISTING BUILDINGS TO ACHIEVE THE ARRANGEMENT INDICATED ON THE DRAWINGS. VISIT THE JOBSITE TO DETERMINE THE EXTENT OF WORK REQUIRED BY THE CONSTRUCTION ACTIVITIES. THE ARCHITECTURAL DRAWINGS SHOW THE IMPROVEMENTS. REVISE, REARRANGE, REROUTE OR REMOVE EXISTING CONDUIT, PIPING, WIRING AND RELATED APPURTENANCES AS REQUIRED TO ACCOMMODATE THE CHANGES AND ADDITIONS SHOWN TO PROVIDE CONTINUING SERVICES FOR THOSE EXISTING PORTIONS OF THE PROJECT WHICH ARE TO REMAIN IN OPERATION.

9. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS AND ROOFS ARE TO BE SEALED WITH ACOUSTIC RESILIENT CAULK OR FIRE-STOPPED PER CBC SECTION 712 WHEN PENETRATION IS THROUGH FIRE-RATED WALL, FLOOR, CEILING OR ROOF.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 118996
AC FLS SS TN
DATE JUN 12 2019

REVISIONS

CONSTRUCTION DOCUMENTS

GLENDALE UNIFIED SCHOOL DISTRICT

BALBOA E.S. PORTABLE | PHASE 2

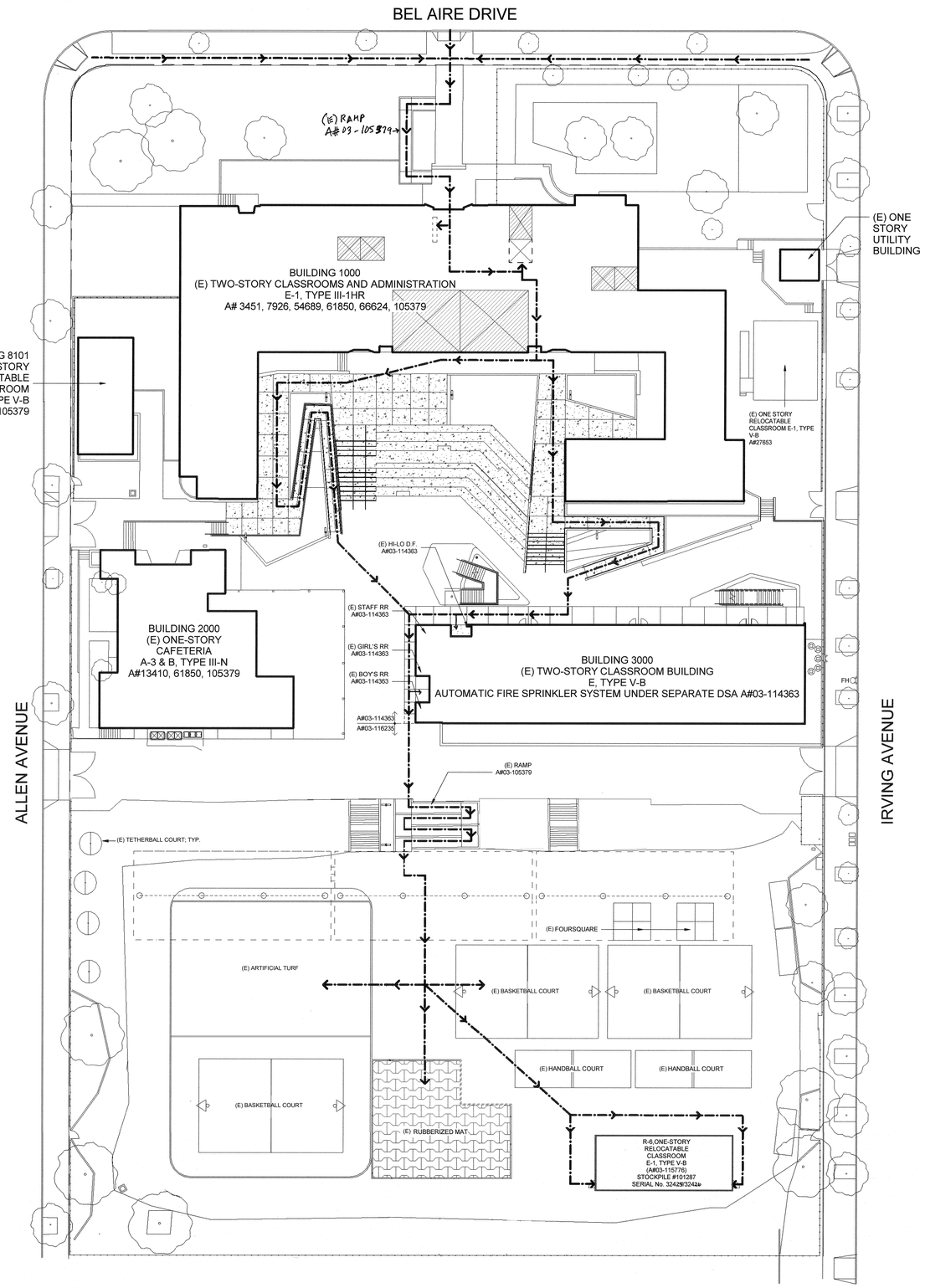
Balboa Elementary School
1844 Bel Aire Drive, Glendale, CA 91201

NAC ARCHITECTURE
nacarchitecture.co
837 N SPRING STREET | THIRD FLOOR
LOS ANGELES CA 90012
P:323.475.8075

NAC NO	161-17067
DRAWN	Author
CHECKED	Checker
DATE	03-25-2019

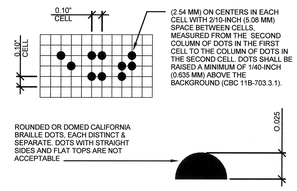
GENERAL NOTES & DEMO NOTES

G0.01

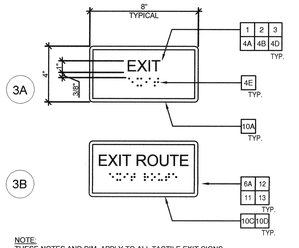


1 ACCESSIBILITY AND CODE ANALYSIS SITE PLAN
Scale: 1" = 20'-0"

Keynote Legend	
Key Value	Keynote Text



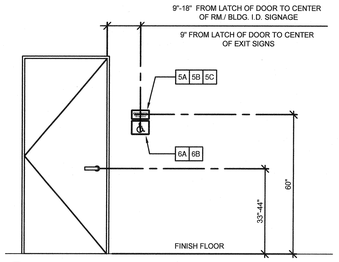
5 BRAILLE DETAIL
Scale: 12" = 1'-0"



NOTE:
THESE NOTES AND DIM. APPLY TO ALL TACTILE EXIT SIGNS

4 EXIT SIGNS
Scale: 3" = 1'-0"

3 BUILDING ROOM I.D. SIGN
Scale: 3" = 1'-0"



2 DOOR SIGNAGE MOUNTING
Scale: 1/2" = 1'-0"

LEGEND

- 4' - 0" ACCESSIBLE PATH OF TRAVEL
- (N) RELOCATABLE BUILDING
- FIRE TRUCK ACCESS
- FH (E) FIRE HYDRANT

NOTE: ACCESSIBLE ROUTE

SITE WALKWAYS SHALL PROVIDE A BARRIER FREE PATH OF TRAVEL FOR A PERSON IN A WHEELCHAIR. THE PATH OF TRAVEL SHALL BE A HARD, DURABLE AND SLIP RESISTANT ROUTE A MINIMUM OF 48 INCHES IN WIDTH AND WITH A MAXIMUM GRADIENT SLOPE OF 5% AND MAXIMUM CROSS SLOPE OF 2%. ABRUPT CHANGES IN LEVEL SHALL NOT EXCEED A BEVELED SLOPE OF 1:2 WITH A 1/2" VERTICAL HEIGHT AND A 1/4" MAXIMUM IN VERTICAL DIFFERENTIAL LEVELS. GATES THAT OCCUR ALONG THE ACCESSIBLE PATH OF TRAVEL SHALL COMPLY WITH 2013 C.B.C. 11B 404

TITLE 24 - SIGNAGE REQUIREMENTS

1. FINISH AND CONTRAST (CBC 1117B.5.2):

CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NONGLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.

2. PROPORTIONS (CBC 1117B.5.3):

CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10.

3. CHARACTER HEIGHT (CBC 1117B.5.4):

CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPERCASE X. LOWERCASE CHARACTERS ARE PERMITTED. FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE CBC 1133B.8.6, THE MINIMUM CHARACTER HEIGHT SHALL BE 3 INCHES (76 mm).

4. RAISED CHARACTERS AND PICTORIAL SYMBOL SIGNS (CBC 11B-703.2):

A. CHARACTER TYPE:
CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCHES (0.794 mm) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.

B. CHARACTER SIZE:
RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCHES (15.9 mm) AND A MAXIMUM OF 2 INCHES (51 mm) HIGH.

C. PICTORIAL SYMBOL SIGNS (PICTOGRAMS):
PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE OUTSIDE DIMENSION OF THE PICTOGRAM FIELD SHALL BE A MINIMUM OF 6 INCHES (152 mm) IN HEIGHT.

D. CHARACTER PLACEMENT:
CHARACTERS AND BRAILLE SHALL BE IN A HORIZONTAL FORMAT. BRAILLE SHALL BE PLACED A MINIMUM OF 3/8 INCHES (9.5 mm) AND A MAXIMUM OF 1/2 INCHES (12.7 mm) DIRECTLY BELOW THE TACTILE CHARACTERS; FLUSH LEFT OR CENTERED. WHEN TACTILE TEXT IS MULTILINED, ALL BRAILLE SHALL BE PLACED TOGETHER BELOW ALL LINES OF TACTILE TEXT.

E. BRAILLE (CBC 1117B.5.6):
CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH (2.54 mm) ON CENTER IN EACH CELL WITH 2/10 INCH (5.08 mm) SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.635 mm) ABOVE THE BACKGROUND. BRAILLE DOTS SHALL BE DOMED OR ROUNDED.

5. MOUNTING LOCATION AND HEIGHT (CBC 1117B.5.7):

A. WHERE PERMANENT IDENTIFICATION SIGNS ARE PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT FOR ROOMS AND SPACES. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT.

B. WHERE PERMANENT IDENTIFICATION SIGNAGE IS PROVIDED FOR ROOMS AND SPACES THEY SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE ENTERS THE ROOM OR SPACE. SIGNS THAT IDENTIFY EXITS SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE EXITS ROOM OR SPACE.

C. MOUNTING HEIGHT SHALL BE 60 INCHES (1524 mm) ABOVE THE FINISH FLOOR TO THE CENTER LINE OF THE SIGN. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3 INCHES (76 mm) OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

6. INTERNATIONAL SYMBOL OF ACCESSIBILITY (CBC 1117B.5.8):

A. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS.

B. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO.15090 IN FEDERAL STANDARD 595B.

7. ENTRANCE SIGNS (CBC 11B-216.6):

ALL BUILDING AND FACILITY ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES SHALL BE IDENTIFIED WITH A MINIMUM OF ONE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, UTILIZING THE SYMBOL, AT JUNCTIONS WHERE THE ACCESSIBLE ROUTE OF TRAVEL DIVERGES FROM THE REGULAR CIRCULATION PATH, TO BE VISIBLE TO PERSONS ALONG APPROACHING CIRCULATION PATHS. ENTRANCES WHICH ARE NOT ACCESSIBLE SHALL HAVE DIRECTIONAL SIGNAGE, WHICH INDICATES THE LOCATION OF AND ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE.

8. IDENTIFICATION SYMBOLS (CBC 1115B.6):

A. DOORWAYS LEADING TO MEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE, 1/4 INCH (6.4 mm) THICK WITH EDGES 12 INCHES (305 mm) LONG AND A VERTEX POINTING UPWARD.

B. DOORWAYS LEADING TO WOMEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4 INCH (6.4 mm) THICK WITH EDGES 12 INCHES (305 mm) IN DIAMETER.

C. DOORWAYS LEADING TO UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLED, 1/4 INCH (6.45 mm) THICK. 12 INCHES (305 mm) IN DIAMETER WITH A 1/4 INCH (6.4 mm) THICK TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12-INCH (305 mm) DIAMETER.

D. GEOMETRIC SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 60 INCHES (1524 mm) AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR.

9. EXIT SIGNS (CBC 1011.1):

EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. ACCESS TO EXITS SHALL BE MARKED BY READILY VISIBLE EXIT SIGNS IN CASES WHERE THE EXIT OR THE PATH OF EGRESS TRAVEL IS NOT IMMEDIATELY VISIBLE TO THE OCCUPANTS. EXIT SIGN PLACEMENT SHALL BE SUCH THAT NO POINT IN A CORRIDOR IS MORE THAN 100 FEET (30480 mm) OR LISTED VIEWING DISTANCE FOR THE SIGN, WHICHEVER IS LESS, FROM THE NEAREST VISIBLE EXIT SIGN.

10. TACTILE EXIT SIGNS (CBC 1011.3):

A. EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD, "EXIT".

B. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE:
"EXIT STAIR DOWN"
"EXIT RAMP DOWN"
"EXIT STAIR UP"
"EXIT RAMP UP"

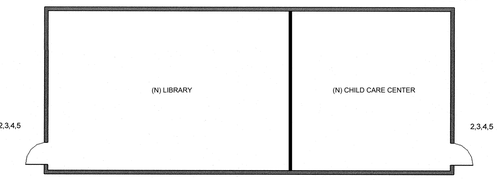
C. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE THAT DOES NOT UTILIZE A STAIR OR RAMP, OR BY MEANS OF AN EXIT PASSAGEWAY, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS " EXIT ROUTE".

D. EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE".

E. EACH EXIT DOOR THROUGH A HORIZONTAL EXIT SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH WITH THE WORDS " TO EXIT".

11. PROVIDE MECH'L MOUNTING WITH VANDAL-RESISTANT FASTENERS, COMPLY WITH ARTICLE 4.30 BCA43-0 OF THE ADAAS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 118996
ACC FLS SS TN
DATE JUN 12 2019



6 SIGNAGE PLAN
Scale: 1/8" = 1'-0"

REVISIONS

CONSTRUCTION DOCUMENTS

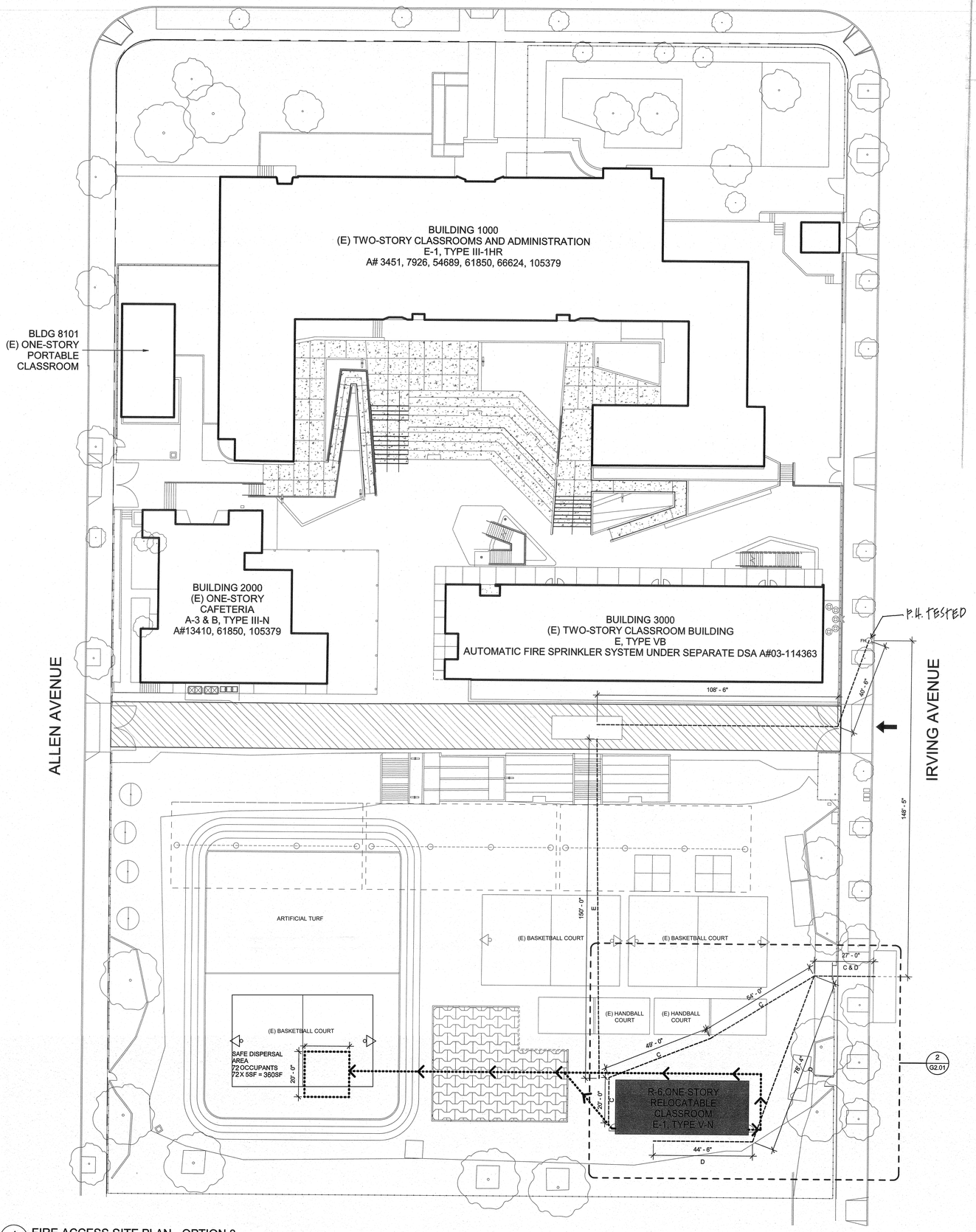
GLENDALE UNIFIED SCHOOL DISTRICT
BALBOA E.S. PORTABLE | PHASE 2
Balboa Elementary School
1818 Bel Aire Drive, Glendale, CA 91201

NAC ARCHITECTURE
nacarchitecture.co
837 N SPRING STREET | THIRD FLOOR
LOS ANGELES CA 90012
P:323.475.8075

NAC NO	161-17067
DRAWN	Author
CHECKED	Checker
DATE	03-25-2019

CODE ANALYSIS & ACCESSIBILITY PLAN

G1.00



1 FIRE ACCESS SITE PLAN - OPTION 3
Scale: 1" = 20'-0"

4/24/2018 10:31:58 AM D:_Revit\Balboa Portables Central File_mvillarina.rvt

DSA 810

LOCAL FIRE AUTHORITY REVIEW

To facilitate the Division of the State Architect's (DSA) approval of the Fire/Life Safety portion of a project, DSA requires Local Fire Authority (LFA) review of certain elements as identified in this form. Use of this form is mandatory for projects that add square footage to a campus or if any item on this form is relevant to the project. For additional information, see DSA 810 Instructions and DSA Policy 08-01.

PROJECT INFORMATION

School District/Owner: Glendale Unified School District
Project Name/School: Balboa ES Portables
Project Address: 1844 Bel Aire Dr. Glendale CA 91201

LOCAL FIRE AUTHORITY (LFA)

LFA Agency Name: Glendale Fire Department
LFA Reviewer Name: Jeffrey Halpert | Title: Fire Engineer
Work Email: jhalpert@glendaleca.gov | Work Telephone Number: (818) 548-3207

I have reviewed and responded to the applicable items for this project as listed below.
***Note:** Only sign this form when it is integrated into the site plan. A loose form is not acceptable to DSA.*

LFA Reviewer's Signature: Jeffrey Halpert Date: 04/24/18

Review Key: "Y" = Complies with LFA requirements; "N" = Not approved (complete Section 8); "NA" = Not applicable to the project; "NR" = LFA elects not to review

	Description	Y	N	NA	NR
1	Where an elevator does not meet medical emergency service cab size, per the California Building Code (CBC), use of stairways for emergency rescue and patient transport is acceptable.			X	
2	Access roads, fire lane markings, pavers and gate entrances are in accordance with Title 19, California Code of Regulations and the California Fire Code, Chapter 5.	X			
3	Fire hydrant location and distribution complies with the California Fire Code (see # 4).	X			
4	Fire hydrant location and distribution complies with NFPA 1142, "Alternate Means." If "NR" is checked, DSA can only approve on-site water storage as an alternate. The signature of the school district official is required to acknowledge the use of alternate means.				X
	Signature of School District Official: Stephen Dickinson **Date:** 04/24/18				
	Print the School District Official's Name: Stephen Dickinson				
5	The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.	X			
6	The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.	X			
7	Is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.) ☐ Yes ☒ No Check type if "Yes": ☐ Moderate ☐ High ☐ Very High ☐ WIFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)				
8	COMMENTS (note deficiencies):				

DSA 810 (rev 01-24-18) Page 1 of 1
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA

Glendale Fire Department
Fire Flow Information

01/06/2012: Released to Andrew Hall / Osborn by e-mail (AHALL@OSBORN320.COM) for 1844 Bel Aire (Balboa Elementary School). JM — REF NO. 1959

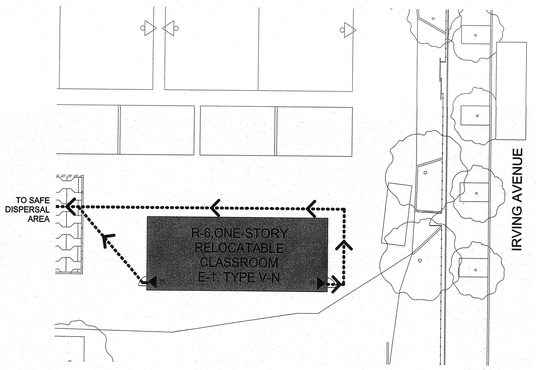
Map Page# 2112 Hydrant # 11 Latest Release Date 01/05/2012
Location 1336 Elm Cross Street Bel Aire Dr.
Test Date 01/05/2012 Time 3:15 p.m. Hydrant Type 2 1/2" X 4"
Requested by G.U.S.D. Phone #
Job Address 1844 Bel Aire Dr. Fax #

Static 120 psi Residual 80 psi Pitot 40 psi
Outlet Size 4 C-Factor 0.9
Observed Flow 2717 gpm Flow at 20 psi 4456 gpm SELECT
By JM & CM Gage No. Receipt #

Comments
Red curb needed on each side of hydrant.
Flow Hydrant in front of 1336 Elm
Static / Residual taken at 1334 Elm
Reservoir:
- Brand Park 968'
- Level at time of test: 13.0'
- Pumps not running

GLENDALE FIRE PREVENTION BUREAU
(818) 548-4816
APR 27 2018
APPROVED BY:
SUBJECT TO FIELD INSPECTION

FSP 18018720



2 R-6 EXIT ROUTE
Scale: 1" = 20'-0"

LEGEND

- PRIMARY EXIT PATH
- TYP. 150' HOSE LENGTH
- ACCUMULATED OCCUPANT LOAD FROM ROOMS DIRECTLY INTO EXIT
- EXIT FROM ROOMS. NUMBER INDICATES THE CALCULATED ACCUMULATED LOAD AT THAT ROOM OR BUILDING EXIT. ARROW INDICATES EXIT DIRECTION.
- (N) RELOCATABLE BUILDING
- FIRE APPARATUS ACCESS ROUTE WITH NO VERTICAL OVERHEARD OBSTRUCTIONS, SURFACE SHALL SUPPORT A MINIMUM IMPOSED LOAD OF 75,000 LBS.
- FH (E) FIRE HYDRANT
- FIRE DEPARTMENT ACCESS TO SITE

FIRE HOSE LENGTH CALCULATION

R-15 (BUILDING 2) A#68794

ROUTE A: 30'-0" + 63'-6" + 31'-0" + 24'-0" = 148'-6"
ROUTE B: 24'-0" + 79'-6" = 103'-6"

R-6 (BUILDING 1) A#101287

ROUTE C: 27'-0" + 54'-0" + 49'-1" + 20'-0" =150'-0"
ROUTE D: 27'-0" + 78'-4" + 44'-6" = 150'-0"
ROUTE E: 150'-0"

BUILDING INFO

R-6 (BUILDING 1) A#101287

ACTUAL BUILDING AREA: 1440 SF
OCCUPANCY: E-1
TYPE OF CONSTRUCTION: V-B

WIND LOAD (EXP C): 70 MPH
FLOOR LIVE LOAD: 50 PSF
ROOF LIVE LOAD: 20 PSF

ALLOWABLE BUILDING AREA 9500 SF
ACTUAL BUILDING AREA R-6 = 1440 SF < 9500 SF OK

REVISIONS

CONSTRUCTION DOCUMENTS

GLENDALE UNIFIED SCHOOL DISTRICT

BALBOA ELEMENTARY PORTABLES | PHASE 2

Balboa Elementary School
1844 Bel Aire Drive, Glendale, CA 91201

NAC ARCHITECTURE
nacarchitecture.co
837 N SPRING STREET | THIRD FLOOR
LOS ANGELES CA 90012
P.323.475.8075

NAC NO 000-00000
DRAWN Author
CHECKED Checker
DATE 09-30-2014

FIRE ACCESS & EXIT ANALYSIS PLAN

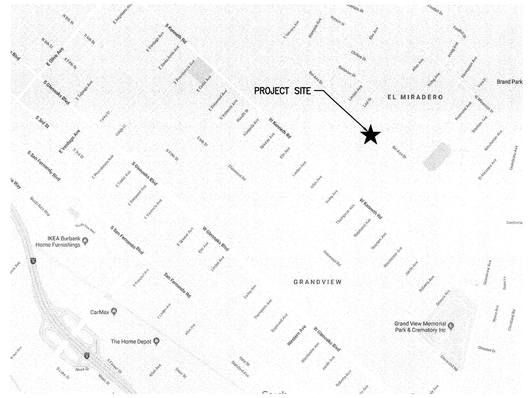
G2.01

GENERAL NOTES:

1. CONSTRUCT OFF SITE WORK TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF GLENDALE. SECURE AND PAY FOR REQUIRED CONSTRUCTION PERMITS.
2. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER.
3. GRADE LAWN, TURF, PLANTING AND AGRICULTURAL AREA 1 ½" BELOW DESIGN GRADES INDICATED.
4. ADJUST TO DESIGN GRADE TOP OF EXISTING VALVE BOXES WITHIN AREAS TO BE REGRADED.
5. MAINTAIN A RECORD OF LOCATION OF UTILITY MARKERS ON THE AS-BUILT PLAN AND REINSTALL THEM AFTER PAVING. REPLACE BENT OR UNUSABLE MARKERS. FOR ALL UTILITY LINES DISCOVERED WITHIN THE WORK AREA, INSTALL BRASS UTILITY MARKERS INDICATING DIRECTIONS OF LINES AT ALL CHANGES IN DIRECTIONS AFTER PAVING. INFORM THE SURVEYOR TO LOCATE AND RECORD ACTUAL LOCATIONS.
6. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
7. ALL EXCAVATIONS, BACKFILLING AND COMPACTION SHALL BE CONTINUOUSLY INSPECTED BY THE GEOTECHNICAL ENGINEER.
8. PROJECT PREPARED BY CONVERSE CONSULTANTS, PROJECT NO. 11-31-329-01, DATED DECEMBER 19, 2011.
9. LIMITS OF SITE – REVIEW ENTIRE SET FOR SCOPES OF WORK BEYOND LIMITS OF SITE, INCLUDING CONSTRUCTION AND PHASING/STAGING. COORDINATE WITH OWNER REPRESENTATIVE FOR SCOPES OF WORK THAT OCCURS OUTSIDE LIMITS OF SITE

ABBREVIATIONS:

AC	ASPHALT CONCRETE
ADDL	ADDITIONAL
AFSR	AUTOMATIC FIRE SPRINKLER RISER
AGG	AGGREGATE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL PLANS
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BLDG	BUILDING
BM	BENCH MARK
BOE	BOTTOM OF EXCAVATION
BW	BACK OF WALK
C	CUT
CA	CABLE
CAB	CRUSHED AGGREGATE BASE
CATV	CABLE TELEVISION
CB	CATCH BASIN
CF	CURB FACE
C&G	CURB AND GUTTER
CI	CAST IRON
CL	CENTERLINE, CHAIN LINK
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT, COUNTY
CONC	CONCRETE
CONN	CONNECTION, CONNECT
CONST	CONSTRUCT
CONT	CONTINUATION
COR	CORNER
CSP	CORRUGATED STEEL PIPE
CY	CUBIC YARDS
D	DEPTH
DET	DETAIL
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DS	DOWN SPOUT
DW	DOMESTIC WATER
DWG(S)	DRAWING(S)
DWY	DRIVEWAY
E	EAST
EX	EXISTING
EA	EACH
ESMT	EASEMENT
EC	END CURVE
ECR	END CURB RETURN
EG	EDGE OF GUTTER
EL, ELEV	ELEVATION
ELEC	ELECTRICAL, ELECTRICAL PLANS
ELY	EASTERLY
EP	EDGE OF PAVING
EQ	EQUAL
EW	EACH WAY
F	FILL
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOWLINE
FS	FINISH SURFACE
FT	FOOT, FEET
FTG	FOOTING
FUT	FUTURE
FW	FIRE WATER
G	GAS
GA	GAUGE
GALV	GALVANIZED
GB	GRADE BREAK
H	HIGH, HEIGHT
HORIZ	HORIZONTAL
HP	HIGH POINT
HPFL	HIGH POINT FLOWLINE
IE	INVERT ELEVATION
INT	INTERSECTION
INV	INVERT
IRR	IRRIGATION
LADWP	LOS ANGELES DEPT. OF WATER AND POWER
L	LENGTH
LF	LINEAR FEET
MAX	MAXIMUM
MB	MAP BOOK
MC	MIDDLE OF CURVE
MIN	MINIMUM
MISC	MISCELLANEOUS
MOD	MODIFIED
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NLY	NORTHERLY
NO	NUMBER, NORTH
NTS	NOT TO SCALE
Ø	DIAMETER
OC	ON CENTER
OPNG	OPENING
PA	PLANTING AREA
PD	PLANTER DRAIN
PCC	PORTLAND CEMENT CONCRETE
	POINT OF COMPOUND CURVE
PKG	PARKING
PM	PARCEL MAP
POC	POINT ON CURVE, POINT OF CONNECTION
PRC	POINT OF REVERSE CURVE
PROD	PRODUCED LINE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
POT	PATH OF TRAVEL
R	RIDGE LINE, RADIUS, RATE
RAD	RADIAL
REINF	REINFORCED
RET	RETAINING
REQD	REQUIRED
REV	REVISED, REVISION
ROW	RIGHT OF WAY
S	SLOPE, SEWER, SOUTH
SD	STORM DRAIN
SDWK	SIDEWALK
SHT	SHEET
SIM	SIMILAR
SLY	SOUTHERLY
SO	SOUTH
SPEC	SPECIFICATIONS
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
STL	STEEL
SYMM	SYMMETRICAL
T	TANGENT
TAD	TOP OF AREA DRAIN
TC	TOP OF CURB
TCB	TOP OF CATCH BASIN
TELE	TELEPHONE, TELECOMMUNICATIONS
TEMP	TEMPORARY
TF	TOP OF FENCE
TFTG	TOP OF FOOTING
TG	TOP OF GRATE
TH	TOP OF HEADER
THK	THICK
TMH	TOP OF MANHOLE
TMS	TOP OF MOW STRIP
TPD	TOP OF PLANTER DRAIN
TR	TRACT
TS	TOP OF SLOPE
TW	TOP OF WALL
TYP	TYPICAL
TTD	TOP OF TRENCH DRAIN
VAR	VARIABLE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
W	WATER, WIDTH, WEST
W/	WITH
WLY	WESTERLY
WM	WATER METER
XING	CROSSING



VICINITY MAP

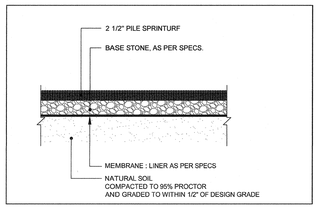
SCALE: N.T.S.

REVISIONS

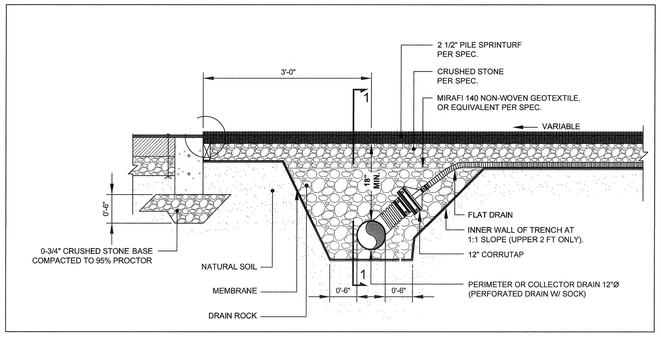
CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER JOSHUA P. SOMA C 82691 Exp. 9/30/20 CIVIL STATE OF CALIFORNIA

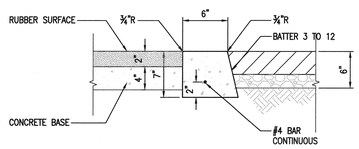
BREEN Engineering Inc
1983 WEST 190TH STREET, SUITE 200
TORRANCE, CA 90504
TEL: (310) 464-8404
FAX: (310) 464-8406
WWW.BREENENG.COM



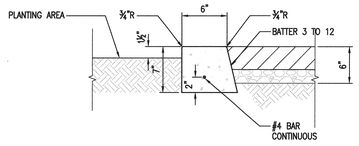
TURF BASE CONSTRUCTION 9



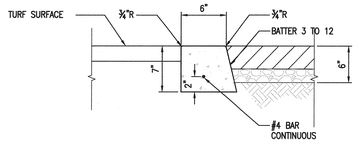
FLAT DRAIN AND PERIMETER CONNECTION 6



1A RUBBERIZED SURFACE

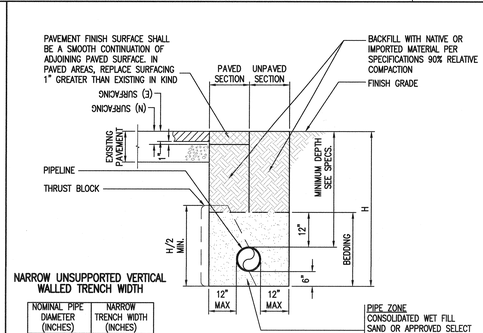


1B PLANTING AREA



1C SYNTHETIC TURF

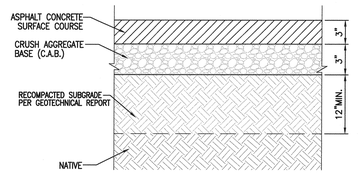
MOWSTRIP 4



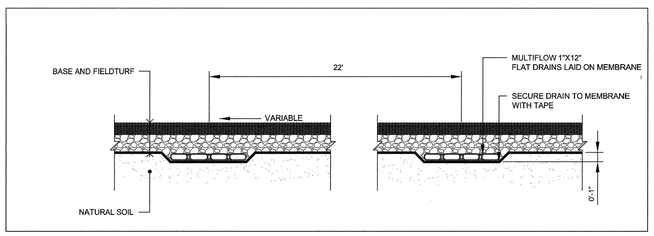
NARROW UNSUPPORTED VERTICAL WALLED TRENCH WIDTH

NOMINAL PIPE DIAMETER (INCHES)	NARROW TRENCH WIDTH (INCHES)
4	18
6	18
8	24
12	30

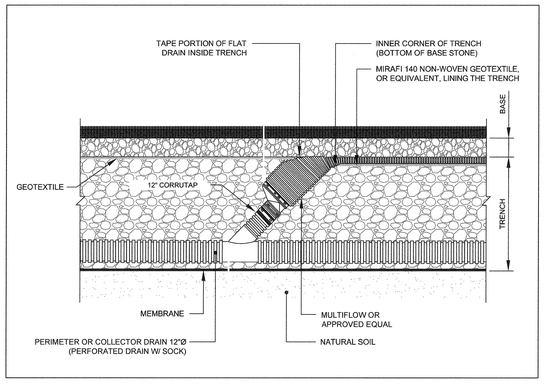
UTILITY IN TRENCH 2



ASPHALT PAVEMENT 1

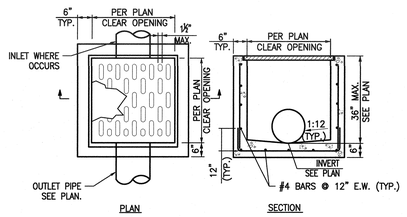


ACO CATCH BASIN 8



FLAT DRAIN AND PERIMETER CONNECTION 6

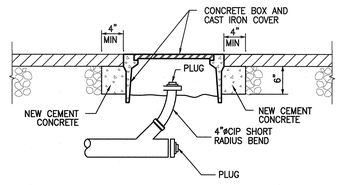
FLAT DRAIN IN BASE 7



NOTES:

1. ALL STEEL PARTS SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION & WELDING, & BEFORE ASSEMBLY.
2. FRAME & GRATE SHALL BE SIMILAR TO ALHAMBRA FOUNDRY CO., LTD. SERIES A-2010 (NON-TRAFFIC APPLICATIONS) OR A-2012 (TRAFFIC RATED) OR EQUAL.
3. GRATE OPENINGS WHEN LOCATED IN HARDSCAPE SHALL NOT EXCEED ½" CLEAR
4. "CLEAR OPENING" AS SPECIFIED BY GRATE MANUFACTURER.

CATCH BASIN 5



NOTES:

1. "BROOKS" YARD BOX OR EQUAL WITH 9¼" x 16" I.D. CONCRETE BOX (NO. 3 BODY) WITH 3-TL CAST IRON TRAFFIC COVER UTILITY NAME (WATER, STORM DRAIN, SANITARY SEWER, POWER, SPRINKLER, ETC.) EMBOSSED ⅛" ABOVE SURFACE, 1" HIGH UPPERCASE.
2. ALL STEEL PARTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.

CLEANOUT 3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP# 118996
AC FLS SS IN
DATE JUN 12 2019

INDEX:

GLENDALE UNIFIED SCHOOL DISTRICT

BALBOA ELEMENTARY PORTABLES PROJECT

Balboa Elementary School
1844 Bel Aire Drive, Glendale, CA 91201

GLENDALE UNIFIED SCHOOL DISTRICT

NAC ARCHITECTURE
nacarchitecture.com
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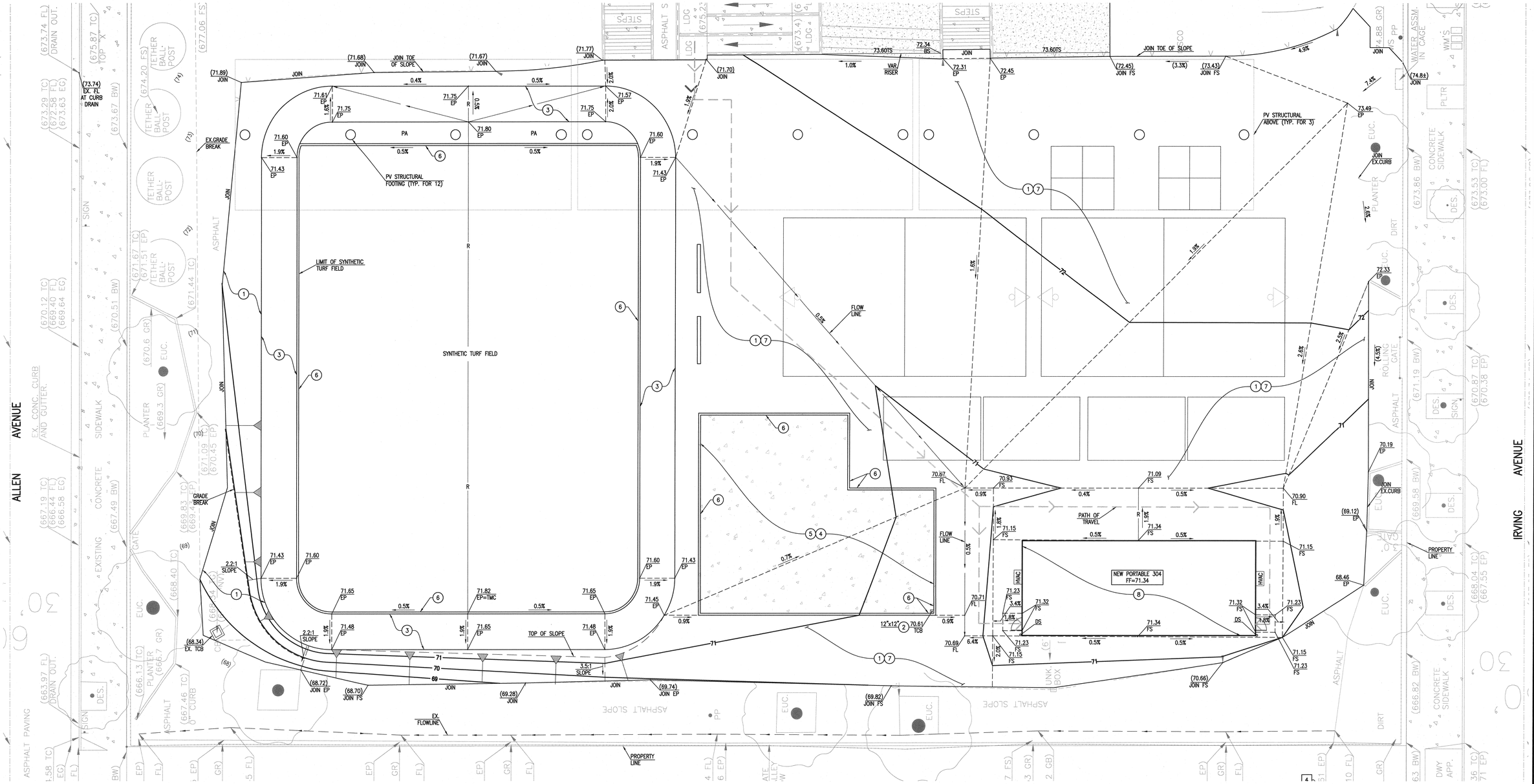
LOS ANGELES CA 90012
P:323.475.8075

NAC NO	161-17067
DRAWN	BEI
CHECKED	JPS
DATE	03-18-2019

TITLE SHEET AND DETAILS

C1.0



CONSTRUCTION NOTES:

1. CONSTRUCT 3" ASPHALT PAVEMENT ON 3" AGGREGATE BASE PER DETAIL 3 ON SHEET C1.1.
2. INSTALL CATCH BASIN BENEATH RUBBER SURFACING. REFER TO DETAIL 4 ON SHEET C1.0.
3. INSTALL ATHLETIC COURT SURFACING PER ARCHITECTURAL SPECIFICATIONS.
4. CONSTRUCT RUBBERIZED MAT SURFACE PER ARCHITECTURAL.
5. CONSTRUCT CONCRETE PAVING BENEATH RUBBERIZED SURFACING, 4" THICK PER DETAIL 8 ON SHEET C1.0.
6. CONSTRUCT CONCRETE MOWSTRIP PER DETAIL 4 ON SHEET C1.0.
7. CONSTRUCT PLAYGROUND STRIPING PER ARCHITECTURAL.
8. CONSTRUCT PORTABLE PER APPROVED PC PLAN.
9. INSTALL CATCH BASIN BENEATH RUBBER SURFACING. REFER TO DETAIL 4 ON SHEET C1.0.

GENERAL NOTES:

1. REFERENCE SHEET C3.1 FOR SYNTHETIC TURF FIELD DRAINAGE LAYOUT.
2. SURVEY PREPARED BY WESTERN STATES SURVEYING, INC. ON NOVEMBER 27, 2011, REFERENCES AN ARBITRARY BASIS OF BEARING POINT. CONTRACTOR TO VERIFY AND CONFIRM BASIS OF BEARING PRIOR TO CONSTRUCTION STAKING. REFER TO WESTERN STATES SURVEY PREPARED ON NOVEMBER 27, 2011.

LEGEND:

- ACCESSIBLE PATH OF TRAVEL
- ASPHALT CONCRETE PAVEMENT
- CONCRETE PAVEMENT
- (790) EXISTING CONTOUR
- FLOW LINE
- R R RIDGE LINE
- GRADE CHANGE
- 150.30 FS SPOT ELEVATION
- (150.30) FS EXISTING SPOT ELEVATION
- CATCH BASIN
- SS PROPOSED SEWER LINE
- W PROPOSED WATER LINE
- SD PROPOSED STORMDRAIN LINE
- (SS) EXISTING SEWER LINE
- (W) EXISTING WATER LINE

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0' 10' 20' 40'
GRAPHIC SCALE:1"=20'

REVISIONS

CONSTRUCTION DOCUMENTS

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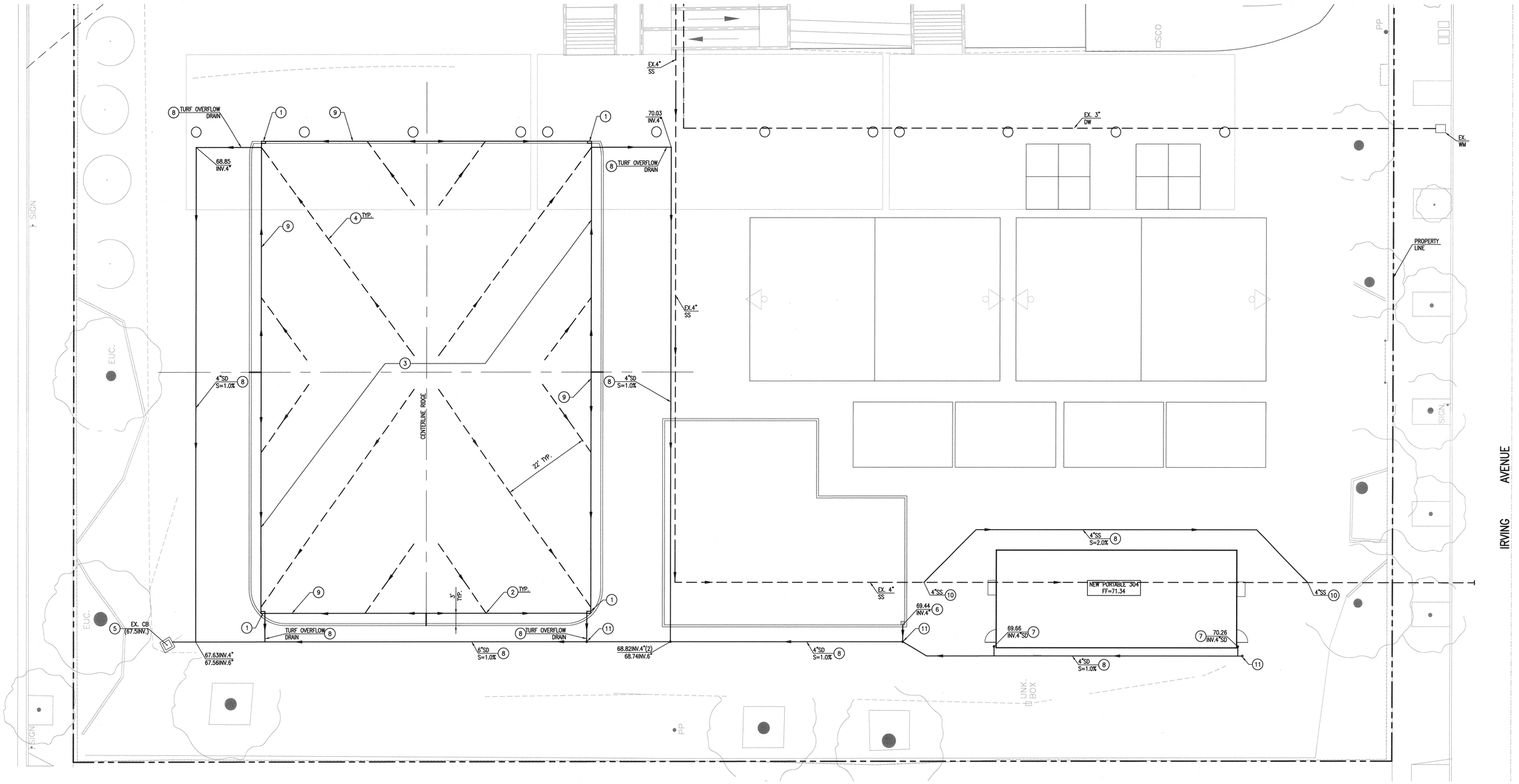
FINISH GRADING PLAN

C2.0



CONSTRUCTION NOTES:

1. CONSTRUCT ACO CATCH BASIN PER DETAIL 8 ON SHEET C1.0.
2. CONSTRUCT CONNECTION BETWEEN FLAT DRAIN AND PERIMETER DRAIN PER DETAIL 6 ON SHEET C1.0.
3. CONSTRUCT TURF BASE PER DETAIL 9 ON SHEET C1.0.
4. CONSTRUCT FLAT DRAIN PER DETAIL 7 ON SHEET C1.0, 1"x12" MULTIFLOW OR APPROVED EQUAL.
5. CONNECT TO EXISTING CATCH BASIN. CONTRACTOR TO VERIFY LOCATION AND INVERT ELEVATIONS PRIOR TO CONSTRUCTION.
6. CONSTRUCT CATCH BASIN PER NOTE 2 ON SHEET C2.0.
7. CONNECT ROOF DRAIN DOWNSPOUT BELOW GRADE. PROVIDE STANDARD FITTING.
8. CONSTRUCT UTILITY IN TRENCH PER DETAIL 2 ON SHEET C1.0. SIZE AND TYPE PER PLAN.
9. CONSTRUCT 12" HDPE, ADS N-12 OR APPROVED EQUAL. PERIMETER DRAIN PER SPECIFICATION. S=0.5%.
10. CONNECT TO EXISTING UTILITY. CONTRACTOR TO VERIFY SIZE AND INVERT PRIOR TO CONSTRUCTION. PROVIDE APPROPRIATE FITTING.
11. CONSTRUCT CLEANOUT PER DETAIL 3 ON SHEET C1.0.

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0' 5' 10' 20'
DRAWING SCALE:1"=10'

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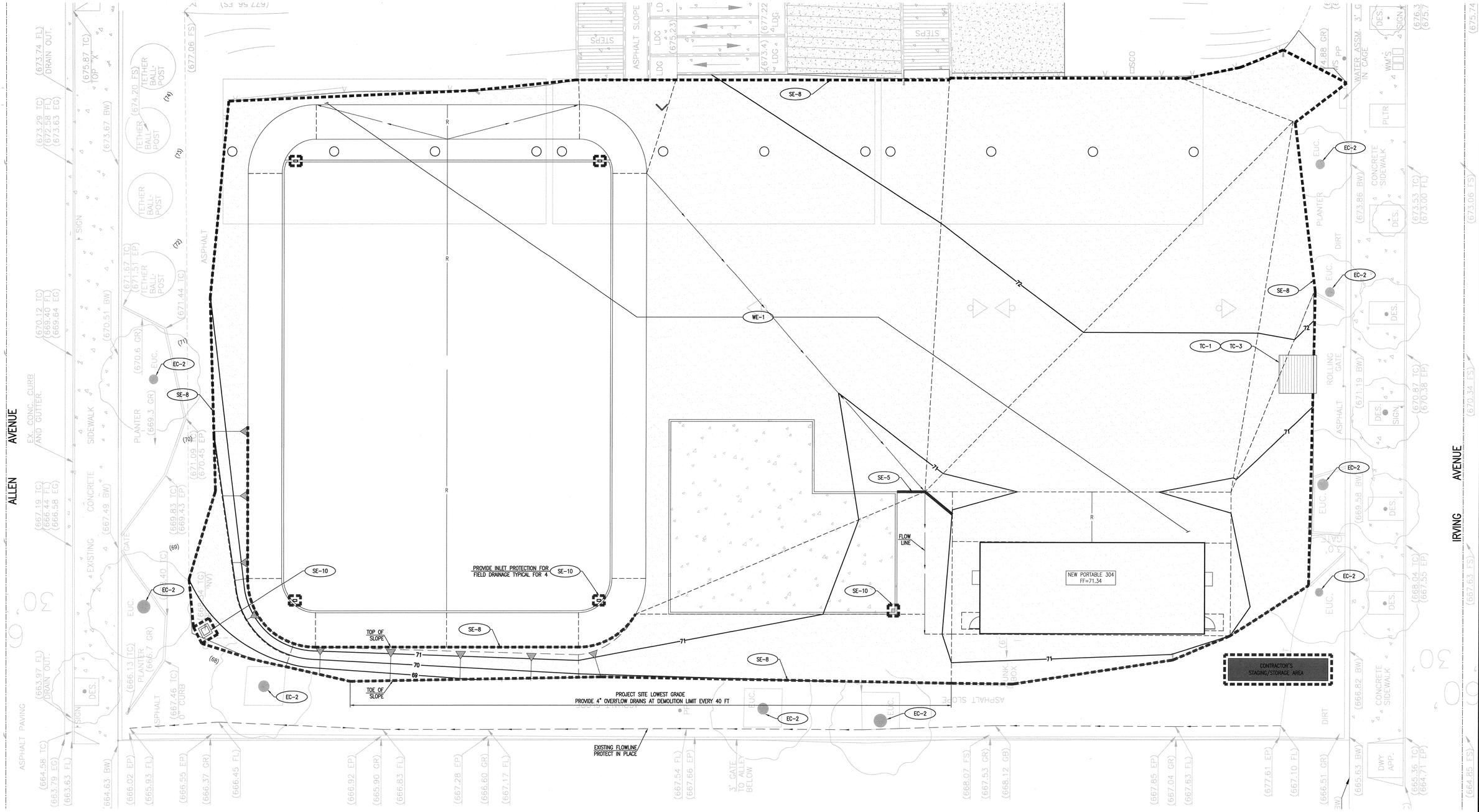
SITE UTILITIES PLAN

C3.0



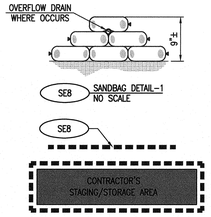
EROSION CONTROL GENERAL NOTES:

1. IN CASE OF EMERGENCY CALL _____
2. A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ONSITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
3. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED IF THE GRADING HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED. FOR FURTHER BMP IMPLEMENTATION DURATION, REFER TO PROVIDED SWPPP REPORT, SECTION 300.4.
4. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
5. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
6. A GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
7. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE CONTRACTOR. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
8. DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR, UNLESS THE GRADING HAS PROGRESSED TO WHERE THEY ARE NO LONGER REQUIRED.
9. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES. THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE CONTRACTOR.
10. EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NONSTORM WATER FROM THE PROJECT SITES AT ALL TIMES.
11. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ONSITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.
12. STOCKPILES OF EARTH AND OTHER POLLUTANTS MUST BE RETAINED ONSITE AND MAY NOT BE TRANSPORTED FROM THE SITE BY THE FORCES OF WIND AND WATER.
13. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
14. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ONSITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
15. THE CONTRACTORS ARE RESPONSIBLE TO INSPECT THAT ALL EROSION CONTROL DEVICE BMP's ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 40% CHANCE OF 0.25 INCHES OR GREATER OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF THE SELF INSPECTION CHECK LIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST).
15. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OR RAINWATER AND DISPERSAL BY WIND.
16. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICULAR TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
17. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED TO INHIBIT EROSION BY WIND AND WATER.
18. THE FOLLOWING BMP's FROM THE "CALIFORNIA STORM WATER BMP CONSTRUCTION HANDBOOK" – 2009, MUST BE IMPLEMENTED FOR ALL CONSTRUCTION ACTIVITIES AS APPLICABLE. BMP's FROM THE "CALIFORNIA STORM WATER BMP HANDBOOK" – JANUARY 2003 MAY BE USED IF DETAIL IS INDICATED.
19. AS THE ARCHITECT/ENGINEER OF RECORD, I HAVE SELECTED APPROPRIATE BMPs TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THE PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPs MUST BE INSTALLED, MONITORED, AND THE MAINTAINED TO ENSURE THEIR EFFECTIVENESS. THE BMPs NOT SELECTED FOR IMPLEMENTATION ARE REDUNDANT OR DEEMED NOT APPLICABLE TO THE PROPOSED CONSTRUCTION ACTIVITY.

_____
CIVIL ENGINEER/ARCHITECTS SIGNITURE

20. PROVIDE INLET CONTROL MEASURES FOR ALL EXISTING AND PROPOSED STORM DRAIN INLETS. GRAVEL BAGS (D1 PROTECTION TYPE 3) SHALL BE USED AS SPECIFIED PER SWPPP FOR INLET PROTECTION MEASURES.

LEGEND:



CONTRACTOR'S STAGING/STORAGE AREA. INCLUDE WM-1 MATERIAL DELIVERY AND STORAGE, WM-3 STOCKPILE MANAGEMENT, WM-5 SOLID WASTE MANAGEMENT, WM-6 HAZARDOUS WASTE MANAGEMENT, WM-8 CONCRETE WASTE MANAGEMENT AND WM-9 SANITARY/SEPTIC WASTE MANAGEMENT IN GIVEN AREA. SANDBAG ENTIRE PERIMETER OF STAGING/STORAGE AREA.

CONTRUCTION BMPs:

EROSION CONTROL

EC1 – SCHEDULING
EC2 – PRESERVATION OF EXISTING VEGETATION
EC3 – HYDRAULIC MULCH
EC4 – HYDROSEEDING
EC5 – SOIL BINDERS
EC6 – STRAW MULCH
EC7 – GEOTEXTILES & MATS
EC8 – WOOD MULCHING
EC9 – EARTH DIKES AND DRAINAGE SWALES
EC10 – VELOCITY DISSIPATION DEVICES
EC11 – SLOPES DRAINS
EC12 – STREAMBANK STABILIZATION
EC13 – RESERVED
EC14 – COMPOST BLANKETS
EC15 – SOIL PREPARATION/ROUGHENING
EC16 – NON-VEGETATED STABILIZATION

TEMPORARY SEDIMENT CONTROL

SE1 – SILT FENCE
SE2 – SEDIMENT BASIN
SE3 – SEDIMENT TRAP
SE4 – CHECK DAM
SE5 – FIBER ROLLS
SE6 – GRAVEL BAG BERM
SE7 – STREET SWEEPING AND VACUUMING
SE8 – SANDBAG BARRIER
SE9 – STRAW BALE BARRIER
SE10 – STORM DRAIN INLET PROTECTION
SE11 – ACTIVE TREATMENT SYSTEMS
SE12 – TEMPORARY SILT DIKE
SE13 – COMPOST SOCKS & BERMS
SE14 – BIOFILTER BAGS

WIND EROSION CONTROL

WE1 – WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

TC1 – STABILIZED CONSTRUCTION ENTRACE/EXIT
TC2 – STABILIZED CONSTRUCTION ROADWAY
TC3 – ENTRANCE/OUTLET TIRE WASH

TEMPORARY SEDIMENT CONTROL

NS1 – WATER CONSERVATION PRACTICES
NS2 – DEWATERING OPERATIONS
NS3 – PAVING AND GRINDING OPERATIONS
NS4 – TEMPORARY STREAM CROSSING
NS5 – CLEAR WATER DIVERSION
NS6 – ILLICIT CONNECTION/DISCHARGE
NS7 – POTABLE WATER/IRRIGATION
NS8 – VEHICLE AND EQUIPMENT CLEANING
NS9 – VEHICLE AND EQUIPMENT FUELING
NS10 – VEHICLE AND EQUIPMENT MAINTENANCE
NS11 – PILE DRIVING OPERATIONS
NS12 – CONCRETE CURING
NS13 – CONCRETE FINISHING
NS14 – MATERIAL AND EQUIPMENT USE
NS15 – DEMOLITION ADJACENT TO WATER
NS16 – TEMPORARY BATCH PLANTS

WATER MANAGEMENT & MATERIAL POLLUTION CONTROL

WM1 – MATERIAL DELIVERY
WM2 – MATERIAL USE
WM3 – STOCKPILE MANAGEMENT
WM4 – SPILL PREVENTION AND CONTROL
WM5 – SOLID WASTE MANAGEMENT
WM6 – HAZARDOUS WASTE MANAGEMENT
WM7 – CONTAMINATION SOIL MANAGEMENT
WM8 – CONCRETE WASTE MANAGEMENT
WM9 – SANITARY/SEPTIC WASTE MANAGEMENT
WM10 – LIQUID WASTE MANAGEMENT

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ACC FLS SS TN
DATE JUN 12 2019

0' 5' 10' 20'
DRAWING SCALE:1"=10'

REVISIONS

CONSTRUCTION DOCUMENTS

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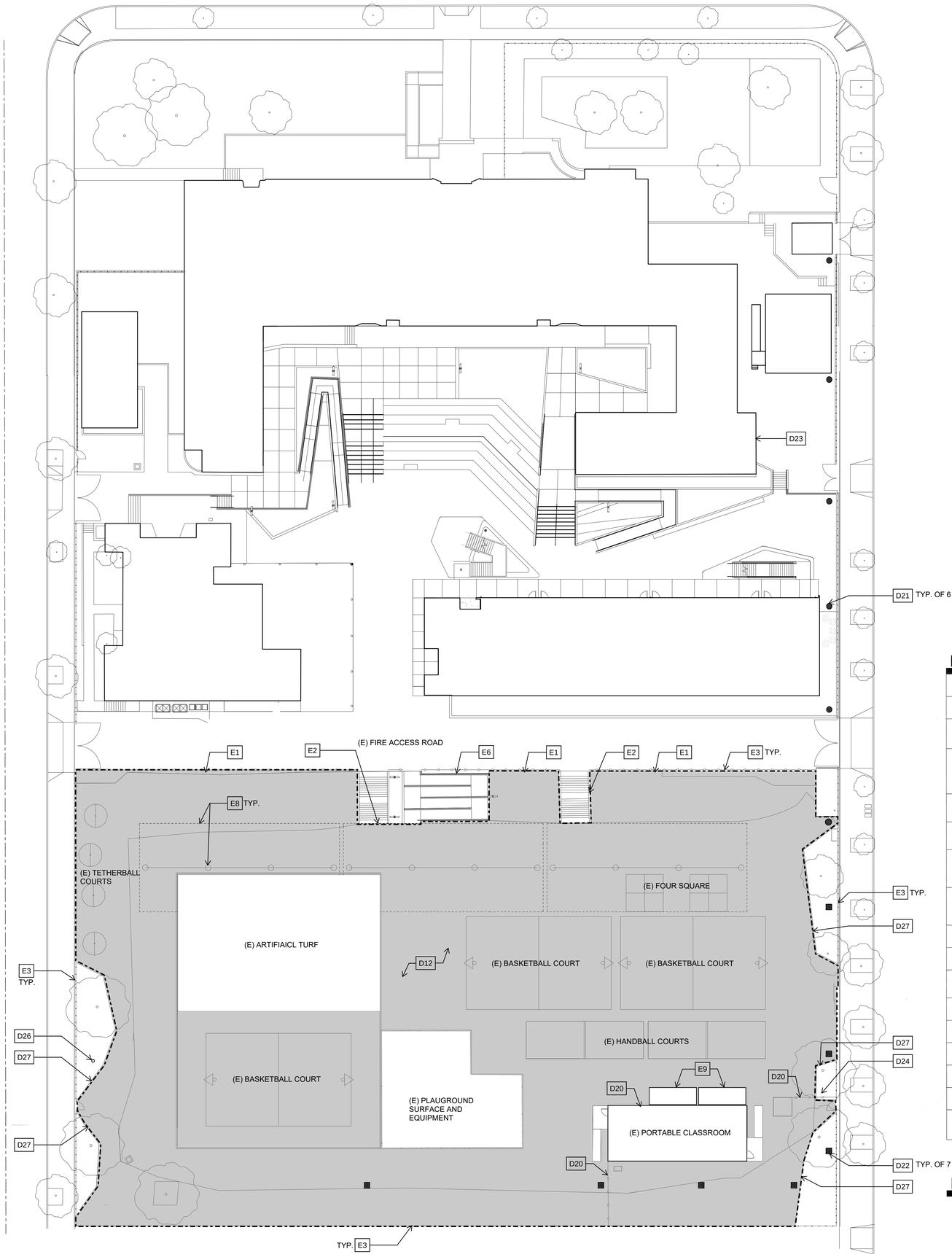
EROSION CONTROL PLAN

C4.0



1 SITE PLAN - DEMOLITION
Scale: 1" = 20'-0"

KEYNOTE LEGEND

D12	EXISTING AC PAVING TO BE REMOVED AND REPLACED
D15	DELETED
D19	DELETED
D20	(E) PORTABLE BLDG. AND ASSOC. RAMPS AND CHAIN-LINK FENCE TO BE REMOVED. PORTABLE BUILDING TO BE RELOCATED PER DISTRICTS DESIGNATED LOCATION A#03-116235
D21	(E) ROUND TEMP. POWER POLES TO BE SAW CUT FLUSH AT GRADE
D22	(E) 6" x 6" TEMP. POWER POLES TO BE REMOVED IN THEIR ENTIRETY
D23	(E) LOW VOLTAGE WIRING AND ASSOC. CONDUIT TO BE REMOVED UP TO (E) BOXES. PROVIDE CAP AT BOXES
D24	(E) TRANSFORMER TO BE REMOVED AND RETURNED TO THE DISTRICT. (E) CONC. PAD TO BE DEMOLISHED
D25	DELETED
D26	GRIND (E) TREE STUMP
D27	(E) CONC. PLANTER CURB AND PLANTER TO BE DEMOLISHED
E1	PROTECT EDGE OF ASPHALT TO REMAIN
E2	PROTECT EDGE OF CONC. PAVING TO REMAIN
E3	PROTECT FENCE TO REMAIN
E6	PROTECT CONC. RETAINING WALL
E8	(E) PV STRUCTURE TO REMAIN - PROTECT IN PLACE
E9	(E) STORAGE CONTAINERS TO BE RELOCATED BY DISTRICT

LEGEND

- (E) TEMPORARY POWER POLE
- (E) 6" x 6" TEMPORARY POWER POLE
- (E) TRANSFORMER

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GLENDALE UNIFIED SCHOOL DISTRICT
BALBOA E.S. PORTABLE | PHASE 2
Balboa Elementary School
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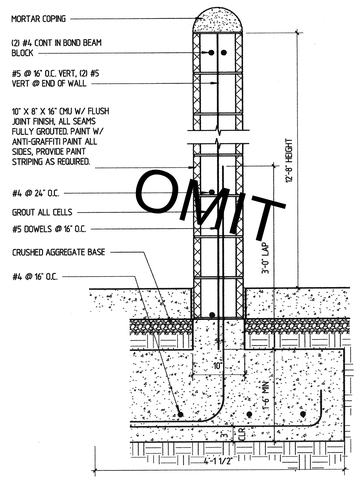
NAC ARCHITECTURE
nacarchitecture.com

NOT FOR CONSTRUCTION PURPOSES

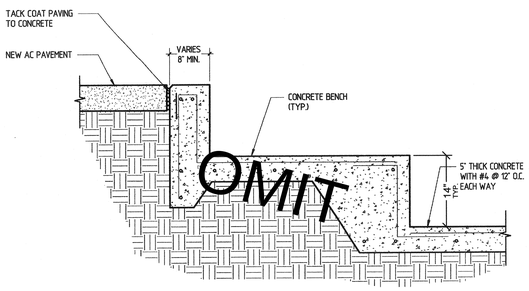
NAC NO	161-17067
DRAWN	Author
CHECKED	Checker
DATE	03-25-2019

SITE PLAN - DEMOLITION

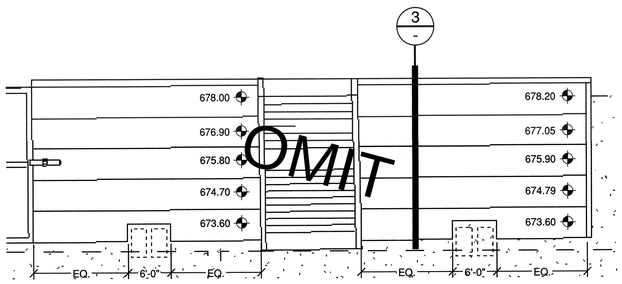
A1.00



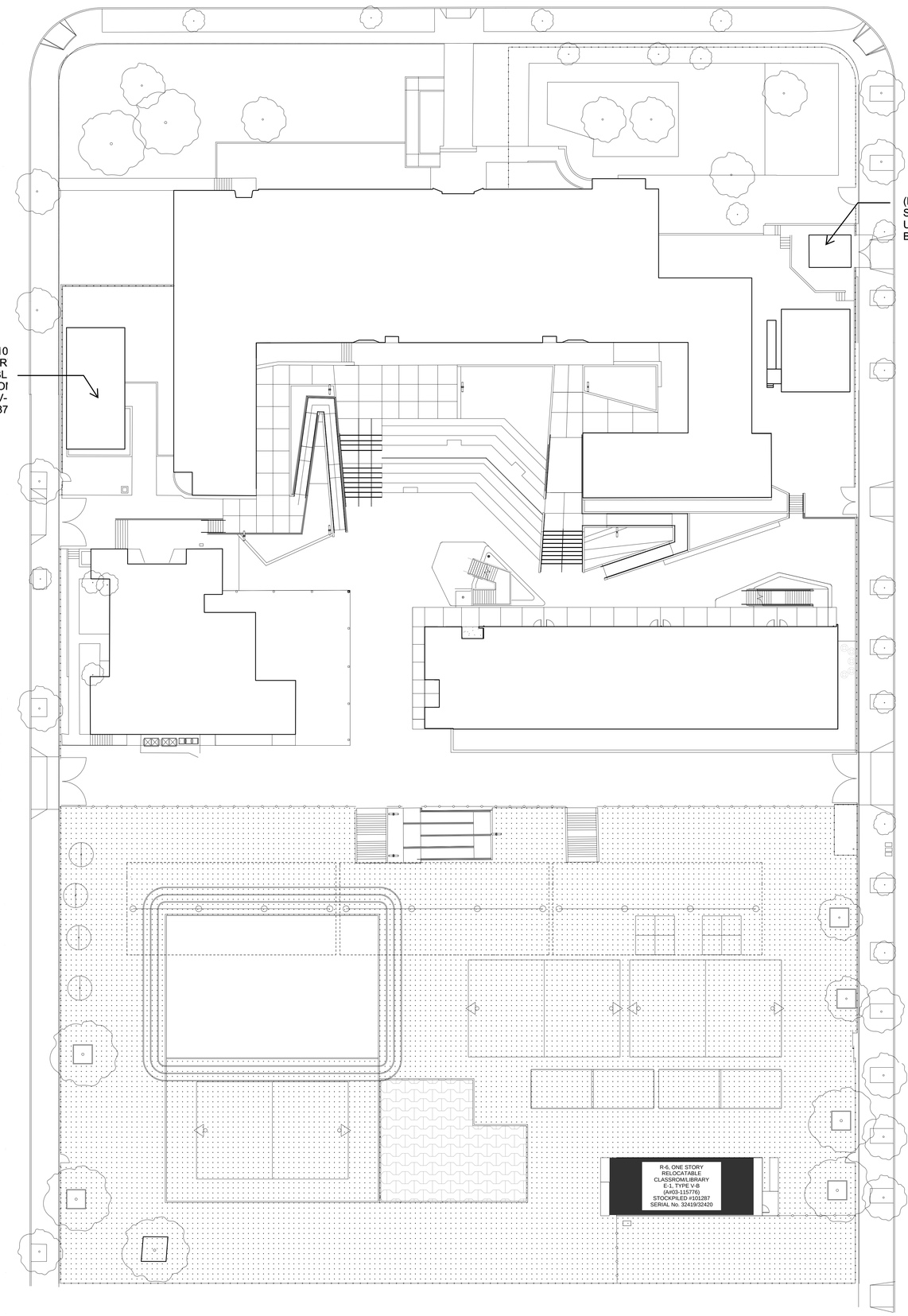
4 HANDBALL WALL DETAIL
SCALE: 1"=1'-0"



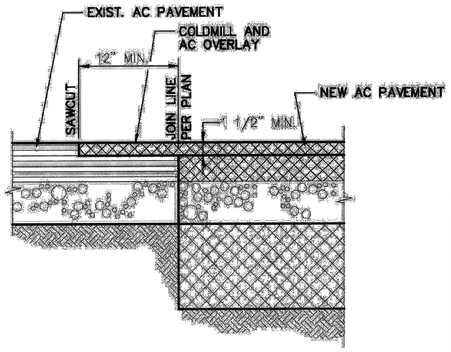
3 STEPPED SEATING - SECTION
SCALE: 1"=1'-0"



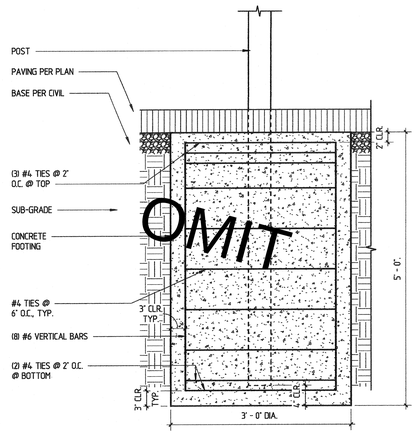
2 STEPPED SEATING - ENLARGED PLAN
N.T.S.



1 SITE PLAN - PROPOSED
Scale: 1" = 20'-0"



6 AC PAVEMENT JOINT
N.T.S.



5 BASKETBALL BACKSTOP POST FOUNDATION
SCALE: 1"=1'-0"

LEGEND

- EXISTING BUILDING
- NEW BUILDING
- A/C PAVING
- ARTIFICIAL TURF FIELD
- ATHLETIC COURT SURFACING
- LIMIT OF WORK

REVISIONS

CONSTRUCTION DOCUMENTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL NO. 118966
CHECKED BY
DATE JUN 12 2019

GLENDALE UNIFIED SCHOOL DISTRICT
BALBOA E.S. PORTABLE | PHASE 2
Balboa Elementary School
1644 Bel Aire Drive, Glendale, CA 91201

NAC ARCHITECTURE
nacarchitecture.co
837 N SPRING STREET | THIRD FLOOR
LOS ANGELES CA 90012
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NAC NO	161-17067
DRAWN	Author
CHECKED	Checker
DATE	03-25-2019

SITE PLAN - PROPOSED

A1.01

WORKMANSHIP NOTES

1. AESTHETICS ARE A VERY IMPORTANT COMPONENT OF THIS PROJECT. INSTALLATION OF ALL ELECTRICAL WORK SHALL BE OF THE HIGHEST QUALITY AND CRAFTSMANSHIP POSSIBLE.
2. THE ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT MANY OFFSETS, BENDS, SPECIAL FITTINGS AND EXACT LOCATIONS ARE NOT INDICATED. THE CONTRACTOR SHALL CAREFULLY STUDY THE DRAWINGS AND PREMISES IN ORDER TO DETERMINE THE BEST METHODS, EXACT LOCATIONS, ROUTES, OBSTRUCTIONS, ETC. WHICH AFFECT HIS INSTALLATION. REFER TO SPECIFICATION SECTION 260000 FOR ADDITIONAL REQUIREMENTS.
3. ALL NEW CONDUIT SHALL BE INSTALLED CONCEALED IN WALLS, CEILINGS OR UNDERGROUND; EXCEPT IN LOCATIONS PRE-APPROVED BY THE ARCHITECT.
4. ARCHITECT'S APPROVAL SHALL BE OBTAINED FOR ANY AND ALL SURFACE MOUNTED/ EXPOSED RACEWAYS AND OUTLETS – EVEN THOSE INDICATED AS SURFACE MOUNTED/ EXPOSED ON THE DRAWINGS.
5. ANY EXPOSED CONDUITS/RACEWAYS THAT ARE ALLOWED SHALL BE INSTALLED IN LOCATIONS THAT ARE AS INCONSPICUOUS AS POSSIBLE, AND SHALL FOLLOW THE LINES OF THE STRUCTURE AS CLOSELY AS POSSIBLE. ALL EXPOSED CONDUITS, BOXES, ETC. SHALL BE PAINTED. REFER TO SPECIFICATION SECTION 09900.

CABLE TYPE

C6	CATEGORY "6" DATA CABLE. (REFER TO SPECIFICATIONS AND RISER DIAGRAMS)
TEL.	CATEGORY "6" TELEPHONE CABLE. (REFER TO SPECIFICATIONS AND RISER DIAGRAMS) SHALL BE DIFFERENT COLOR THAN DATA CABLE.
SP	SPEAKER CABLE. (REFER TO SPECIFICATIONS)
SEC	SECURITY SYSTEM CABLE (REFER TO SPECIFICATIONS)
FA.CA.	FIRE ALARM CABLE (REFER TO SPECIFICATIONS AND FIRE ALARM SCHEDULE).
F.O.	FIBER OPTIC CABLE (REFER TO SPECIFICATIONS)
TVD	CATV DISTRIBUTION CABLE (REFER TO SPECIFICATIONS)

BRANCH CIRCUIT VOLTAGE DROP TABLE

MAXIMUM BRANCH CIRCUIT LENGTH (ONE WAY) FOR VOLTAGE DROP LESS THAN 3%

NORMAL VOLTAGE	CIRCUIT RATING	WIRE SIZE (AWG)	MAX LENGTH (FT)	MAX LOAD (VA)	MAX LOAD (AMPS)	VOLTAGE DROP (%)
120 VOLTS	20 AMPS	12	100	1920	16	2.67
		10	180	1920	16	2.88
		8	275	1920	16	2.86
277 VOLTS	20 AMPS	12	250	4432	16	2.89
		10	400	4432	16	2.77
		8	625	4432	16	2.82

LOW VOLTAGE CABLE SCHEDULE

CIRCUIT RATING	CIRCUIT RATING	SPEC SECTION
C6	DATA/PHONE/VOIP	27 1013
SP	SPEAKERS	27 5116
SEC	SECURITY DEVICES	28 1600
TV	CATV	27 4134

* ALL U.G. CABLE SHALL BE "OUTSIDE PLANT" CABLE.

CONDUIT SIZING SCHEDULE

CONDUIT SIZE	AREA	40% FILL x 75%	ALLOWABLE FILL
3/4" DIAMETER CONDUIT	.53 S.I.	.53 S.I.	.159 S.I.
1" DIAMETER CONDUIT	.86 S.I.	.86 S.I.	.258 S.I.
1 1/4" DIAMETER CONDUIT	1.50 S.I.	1.50 S.I.	.450 S.I.
1 1/2" DIAMETER CONDUIT	2.04 S.I.	2.04 S.I.	.612 S.I.
2" DIAMETER CONDUIT	3.36 S.I.	3.36 S.I.	1.01 S.I.
2 1/2" DIAMETER CONDUIT	5.86 S.I.	5.86 S.I.	1.76 S.I.
3" DIAMETER CONDUIT	8.85 S.I.	8.85 S.I.	2.66 S.I.
3 1/2" DIAMETER CONDUIT	11.5 S.I.	11.5 S.I.	3.45 S.I.
4" DIAMETER CONDUIT	14.75 S.I.	14.75 S.I.	4.43 S.I.

SYMBOL LIST

- 3/4" X 10'-0" ELECTROLYTIC GROUND ROD, U.O.N.
- 3/4" X 10'-0" ELECTROLYTIC GROUND ROD IN A YARD BOX. SEE (F / E-3.1)
- CURRENT TRANSFORMER, RATIO AS INDICATED.
- KWH KILOWATT HOUR DEMAND METER.
- DISCONNECT SWITCH.
- LOW VOLTAGE CIRCUIT BREAKER.
- POWER TRANSFORMER.
- GROUND CONNECTION.
- 100A / 225A / 3P — TRIP SETTING; FRAME SIZE; NO. OF POLES
- (4) ELECTRICAL NOTE REFERENCE
- (C / E-5.0) INDICATES DETAIL "C" ON SHEET 0E-5.0

A, AMP	AMPERE
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
C.O.	CONDUIT ONLY
EA.	EACH
EG	EQUIPMENT GROUND
EX	EXISTING
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FIB. OP.	FIBER OPTIC
GFI	GROUND-FAULT INTERRUPTER
PWP	PASADENA WATER & POWER
IACP	INTRUSION ALARM CONTROL PANEL
IDF	INTERMEDIATE DISTRIBUTION FRAME
MDF	MAIN DISTRIBUTION FRAME
LAN	LOCAL AREA NETWORK
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
SCE	SOUTHERN CALIFORNIA EDISON
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
VVUHSD	VICTOR VALLEY UNION HIGH SCHOOL DISTRICT
WP	WEATHERPROOF
+48"	MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTER OF DEVICE.

- S DASHED SYMBOL INDICATES EXISTING FIXTURE, OUTLET, DEVICE OR EQUIPMENT TO BE REMOVED.
- $ FINE-LINED SYMBOL INDICATES EXISTING FIXTURE, OUTLET, DEVICE OR EQUIPMENT TO REMAIN.
- EX — EXISTING CONDUIT TO BE REUSED.
- R — EXISTING CONDUIT TO BE REMOVED IF IN AN ACCESSIBLE AREA OR TO BE ABANDONED IF IN AN INACCESSIBLE AREA.
- A — FIXTURE TYPE AND WATTAGE PER FIXTURE LIST. TYPICAL FOR ROOM INDICATED UNLESS OTHERWISE NOTED.
- 1L — INDICATES CONTROLLING SWITCH LEG.
- DENOTES BRANCH CIRCUIT NUMBER SUPPLYING FIXTURE.
- RECESSED MOUNTED FLUORESCENT LIGHTING FIXTURE.
- DUPLEX RECEPTACLE, MOUNTED AT +15" U.O.N.
- DUPLEX RECEPTACLE, GFI PROTECTION AT +15" U.O.N.
- DOUBLE DUPLEX GFI RECEPTACLE MOUNTED AT +15" U.O.N.
- DOUBLE DUPLEX RECEPTACLE, MOUNTED AT +15" U.O.N.
- 2 — FLEXIBLE CONDUIT "FISH" DOWN PARTITION WALL FROM ACCESSIBLE CEILING SPACE TO DEVICE AS INDICATED. DEVICE IS AS INDICATED ON THE PLANS.
- FLUSH MOUNTED PANELBOARD.
- SURFACE MOUNTED PANELBOARD.
- SURFACE MOUNTED CABINET, AS NOTED.
- FLUSH MOUNTED CABINET, AS NOTED.
- N NON-FUSED DISCONNECT SWITCH. SIZE AS NOTED. (NFDS)
- FUSED DISCONNECT SWITCH. SIZE AS NOTED. (FDS)
- 3 — CODE SIZE JUNCTION BOX. 5/S OR LARGER IF REQUIRED FOR NUMBER/SIZE OF CONDUCTORS.
- PULL BOX WITH SCREW COVER, SIZE AS NOTED.
- F — 3/4" CONDUIT WITH 1-FIRE ALARM CABLE.
- 1F — 3/4" CONDUIT WITH 1-FIRE ALARM CABLE + 4#12.
- 2F — 3/4" CONDUIT WITH 1-FIRE ALARM CABLE + 6#12.
- 3F — 3/4" CONDUIT WITH 1-FIRE ALARM CABLE + 8#12.
- A-1,3 — HOMERUN TO INDICATED PANELBOARD ("A"). NUMBERS (1,3) INDICATE BRANCH CIRCUIT NUMBERS.
- 3/4"-3#8+1#10 EG — INDICATES 3/4" CONDUIT WITH 3 NUMBER 8 CONDUCTORS + 1 NUMBER 10 EQUIPMENT GROUND.
- 3/4"-3#10+3#10(IN)+1#10 EG — INDICATES 3/4" CONDUIT WITH 3 NUMBER 10 PHASE CONDUCTORS PLUS 3 NUMBER 10 INDIVIDUAL NEUTRAL CONDUCTORS PLUS 1 NUMBER 10 EQUIPMENT GROUND.
- (2) 3" 3-500KCM+1#1/0 EG — INDICATES TWO (2) 3" CONDUITS WITH THREE (3) 500 kcmil CONDUCTORS PLUS ONE (1) NUMBER 1/0 EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT.
- // — 3/4" CONDUIT WITH 2#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- /// — 3/4" CONDUIT WITH 3#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- //// — 3/4" CONDUIT WITH 4#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- ///// — 3/4" CONDUIT WITH 5#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- ////// — 3/4" CONDUIT WITH 6#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- /////// — 3/4" CONDUIT WITH 7#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- //////// — 1" CONDUIT WITH 8#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- /// #10 — THE NUMBER "10" OR "8" ADJACENT TO THE HASH MARK IN ANY CONDUIT RUN INDICATES #10 (OR #8) CONDUCTORS IN LIEU OF #12 CONDUCTORS. INCREASE CONDUIT SIZE TO ACCOMODATE QUANTITY OF #10 (OR #8) CONDUCTORS INDICATED. EQUIPMENT GROUND CONDUCTOR SIZE SHALL ALSO INCREASE TO #10 (FOR #10 OR #8 CIRCUIT CONDUCTORS)
- S — SPEAKER MOUNTED IN CEILING. REFER TO SPEAKER SCHEDULES FOR SPEAKER TYPE.
- S — SPEAKER MOUNTED ON WALL AT HEIGHT INDICATED. REFER TO SPEAKER SCHEDULES FOR SPEAKER TYPE.
- A — SECURITY SYSTEM SENSOR
- WAP — WIRELESS ACCESS POINT.
- COMBINATION VOICE AND DATA OUTLET INSTALLED IN A FLUSH OUTLET BOX.
- 2 — DATA OUTLET INSTALLED IN A FLUSH OUTLET BOX. NUMBER INDICATES QUANTITY OF JACKS
- VOICE OUTLET INSTALLED IN A FLUSH OUTLET BOX. INSTALL VOICE JACK(S) TO MEET THE SPECIFICATIONS AT EACH LOCATION.
- TV — TELEVISION OUTLET – VERIFY EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS
- AC / 2 — MECHANICAL EQUIPMENT REFERENCE.
- CONDUIT CONCEALED IN WALL OR CEILING SPACE.
- CONDUIT CONCEALED UNDERGROUND. SEE (A / E-3.1) (B / E-3.1)
- CONDUIT INSTALLED EXPOSED.
- FLEXIBLE METAL CONDUIT. INSTALL REQUIRED BRANCH CIRCUIT CONDUCTORS AND EQUIPMENT GROUND CONDUCTOR.

ELECTRICAL SHEET INDEX

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NAC NO 161-17067
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DATE 04-30-2020

SYMBOL LIST AND GENERAL NOTES

E-1.1

GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO 2016 CBC STATE ELECTRICAL CODES. CODES ENFORCED BY THE AUTHORITY HAVING JURISDICTION AND DSA REQUIREMENTS. ALL ELECTRICAL MATERIAL AND EQUIPMENT SHALL BE UL LISTED.
2. MINIMUM WIRE SIZE FOR LINE VOLTAGE WIRING SHALL BE #12 AWG, 600 VOLT "THHW" OR "THHN" INSULATION, COPPER CONDUCTORS. WIRING FOR SIGNAL AND FIRE ALARM SYSTEMS SHALL BE AS NOTED ON THE DRAWINGS.
3. ALL CONDUIT SIZES SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE FOR CONDUIT FILL.
4. THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO CCR, TITLE 24, 2016 CBC SECTION 1632A AND TABLE 16A-0.
5. ALL CONDUIT, WIRE, DEVICES, AND BOXES ARE NEW UNLESS NOTED OTHERWISE.
6. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AT THE JOB SITE PRIOR TO SUBMITTING BID.
7. CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE SYSTEMS AT THE SITE. THE SYSTEMS SHALL INCLUDE; ALL EQUIPMENT, CONDUIT CABLE, WIRE AND ALL NECESSARY ITEMS FOR THE SYSTEM TO BE OPERABLE.
8. PATCH ALL EXISTING WALLS AS NECESSARY. MATERIAL, WORKMANSHIP AND FINISH SHALL MATCH EXISTING.
9. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS WHICH ARE REQUIRED FOR THE ELECTRICAL WORK BY LEGALLY CONSTITUTED AUTHORITIES, AND SHALL DELIVER ALL CERTIFICATES TO THE DISTRICTS FACILITIES BRANCH BEFORE THE WORK IS STARTED.
10. ALL RUNS OF CONDUIT ONLY SHALL HAVE AN IDEAL CAT. #31-343 "POWER-FISH" PULL LINE INSTALLED.
11. THE DRAWINGS INDICATE THE ELECTRICAL WORK WHICH IS TO BE IN PLACE WHEN THE WORK IS COMPLETE.
12. NO CABLE SHALL BE INSTALLED PRIOR TO THE INSPECTION AND ACCEPTANCE OF A COMPLETED CONDUIT SYSTEM.
13. EXISTING CIRCUITS, CONDUIT RUNS AND OUTLET LOCATION HAVE BEEN DEVELOPED FROM THE BEST INFORMATION AVAILABLE TO THE DISTRICT AT THE TIME THE DRAWINGS WERE PREPARED. THE DISTRICT PROVIDES THIS ONLY AS A GENERAL GUIDELINE FOR THE CONVENIENCE OF BUILDERS/CONTRACTORS AND DOES NOT GUARANTEE OR WARRANT IN ANY WAY EXPRESSLY OR IMPLIED THE ACCURACY OF THESE REPRESENTATIONS. NOTHING IN THE DISCLAIMER AFFECTS THE CONTRACTORS RESPONSIBILITY TO PROVIDE ACCURATE "AS-BUILT" DRAWINGS AFTER THE COMPLETION OF THE CONTRACT.
14. AT NO TIME DURING CONSTRUCTION AND INSTALLATION MODIFICATION OF THE FIRE ALARM SYSTEM SHALL THE SCHOOL BE WITHOUT AN OPERATIONAL FIRE ALARM SYSTEM WHEN CHILDREN ARE ON CAMPUS. CHANGE OVERS MUST BE DONE AFTER SCHOOL OR ON THE WEEKENDS. THE CONTRACTOR SHALL NOTIFY THE SCHOOL SITE PERSONAL AND THE MAINTENANCE OFFICE 48 HOURS PRIOR TO ANY DISCONNECTION OR CHANGE OVER OF THE FIRE ALARM SYSTEM, OR A FIRE WATCH WILL BE REQUIRED. CBC CHAPTER 34 AND CHAPTER 14 CFC.
15. THE TERM "PULL" USED ON THE DRAWINGS SHALL BE CONSIDERED TO MEAN "FURNISH, INSTALL AND CONNECT".
16. ALL EQUIPMENT SHALL BE LISTED BY AN APPROVED TESTING AGENCY PER SPECIFICATIONS. IN ADDITION, ALL FIRE ALARM AND DETECTION EQUIPMENT SHALL BE LISTED BY THE CALIFORNIA STATE FIRE MARSHAL (CSFM).
17. ALL NEW CONDUITS INSTALLED UNDER THIS SECTION OF WORK SHALL BE 3/4 INCH MINIMUM SIZE, EXCEPT "WHIPS" TO FLUORESCENT FIXTURES IN SUSPENDED CEILING. FIXTURE "WHIPS" MAY BE 1/2" CONDUIT TO FLUORESCENT FIXTURES IN SUSPENDED CEILING.
18. PATCH ALL EXISTING WALLS AND CEILINGS AS NECESSARY. MATERIAL, WORKMANSHIP AND FINISH SHALL MATCH EXISTING.
19. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PATCH AND REPAIR ALL DAMAGE TO EXISTING FINISHES. THE AREAS OF WORK SHALL BE REPAIRED TO THE FINISH EXISTING PRIOR TO THE COMMENCEMENT OF WORK.
20. THE CONTRACTOR SHALL REPLACE ALL EXISTING DEVICES AND DEVICE COVER PLATES WITH NEW DEVICES AND PLATES. DEVICES AND PLATES SHALL COMPLY WITH THE SPECIFICATIONS.
21. EACH PANEL SHALL HAVE SIX (6) 3/4" C.O. PLUS THREE (3) 1" C.O. STUBBED UP FROM EACH PANEL INTO ACCESSIBLE CEILING SPACE, IN ADDITION TO WORK INDICATED ON THE FLOOR PLANS.
22. CONTRACTOR SHALL INSTALL NEW BLANK PLATES ON ALL EXISTING FLUSH OUTLETS THAT ARE ABANDONED IN PLACE. CONTRACTOR SHALL VERIFY LOCATION OF ALL ABANDONED OUTLETS AND SHALL INSTALL NEW PLATES ON ALL – EVEN THOSE NOT INDICATED OR NOTED SPECIFICALLY ON THE DRAWINGS.
23. ALL NEW OUTLETS (FOR RECEPTACLES, SWITCHES, J-BOXES, ETC.) INSTALLED IN EXISTING WALLS SHALL BE "CUT-IN" TYPE BOXES WITH FLEXIBLE CONDUIT "FISHED" INTO WALL CAVITY FROM CEILING SPACE ABOVE. ON EXISTING MASONRY WALLS (OR OTHER INACCESSIBLE TYPE WALLS) NEW OUTLETS SHALL BE SURFACE RACEWAY TYPE WITH EXPOSED SURFACE RACEWAY (WIREMOLD) OF APPROPRIATE SIZE. OBTAIN ARCHITECTS APPROVAL FOR ALL SURFACE RACEWAY LOCATIONS.
24. PLUG ALL KNOCK-OUTS WHERE CONDUITS ARE REMOVED FROM EXISTING BOXES, PANELS, SWITCHBOARDS, ENCLOSURES, ETC.
25. PROVIDE CONCRETE MOUNTING PADS FOR ALL NEW FLOOR MOUNTED ELECTRICAL EQUIPMENT. REFER TO SPECIFICATIONS – SECTION 16400.
26. WHERE HVAC AND PLUMBING EQUIPMENT IS SHOWN ON ELECTRICAL DRAWINGS, IT IS FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR EXACT SIZE, LOCATION, CONNECTIONS, ETC. OF ALL EQUIPMENT. ALL WORK DESIGNATED AS "ELECTRICAL" ON MECHANICAL/ PLUMBING DRAWINGS SHALL BE DONE AS IF SHOWN ON THESE PLANS. VERIFY ALL LOCATIONS OF MECHANICAL EQUIPMENT WITH APPROPIATE CONTRACTORS.
27. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL TELEVISION OUTLETS AND RELATED RECEPTACLES WITH THE ACTUAL LOCATION OF THE TV MOUNTING HARDWARE. COORDINATE EXACT LOCATION WITH ARCHITECT.
28. THE CONTRACTOR IS RESPONSIBLE FOR SEALING ALL FIRE RATED PENETRATIONS WHETHER INDICATED OR NOT.
29. IF THE CONTRACTOR BELIEVES THAT THERE ARE CONFLICTS WITHIN THESE ELECTRICAL DRAWINGS OR BETWEEN THE ELECTRICAL DRAWINGS AND THE SPECIFICATIONS, OR BETWEEN THE ELECTRICAL DRAWINGS AND ANY MECHANICAL, ARCHITECTURAL, PLUMBING OR STRUCTURAL DRAWING, BID THE MORE EXPENSIVE OR ELABORATE PROCESS OR PROCEDURE SHOWN AND CALL THE DISCREPANCY TO THE ARCHITECT'S ATTENTION. SHOULD THE DISTRICT, IN ITS DISCRETION, CHOOSE TO IMPLEMENT THE CHEAPER OR SIMPLER PROCEDURE AFTER BID OPENING, A CREDIT CHANGE ORDER WILL BE ISSUED TO THE CONTRACTOR.
30. INSTALL ALL CONDUIT BUSHINGS PRIOR TO INSTALLATION OF ANY CONDUCTORS, SEE NOTE #12.
31. THE CONTRACTOR SHALL CAREFULLY REVIEW THE SPECIFICATIONS AS THEY PERTAIN TO RIGID CONDUIT. THE SPECIFICATION REQUIREMENTS ARE VERY STRINGENT AND SUBSTANTIALLY EXCEED MINIMUM CODE REQUIREMENTS. NO DEVIATIONS WILL BE ALLOWED WHERE RIGID CONDUIT IS CALLED FOR.
32. "AS PART OF THE BASIC CONTRACT WORK UNDER THIS PROJECT, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LABEL ALL CONDUCTORS WHICH WILL REMAIN AS EXISTING SERVICE AND TO IDENTIFY THESE CIRCUITS ON THE PANEL SCHEDULES PREPARED FOR THE NEW AND EXPANDED PANEL BOXES. THE CONTRACTOR SHALL ALSO, AT NO ADDITIONAL CHARGE, TEST ALL EXISTING CONDUCTORS TO REMAIN TO VERIFY THAT THEY ARE OPERATIONAL AND CONDUCTING THE SPECIFIED VOLTAGE. FOLLOWING THE TESTING PROCEDURE, IDENTIFY ALL NOTED DISCREPANCIES TO THE ATTENTION OF THE ELECTRICAL ENGINEER FOR RESOLUTION."
33. UPON COMPLETION OF THE ELECTRICAL INSTALLATION, PATCH AND PAINT AS REQUIRED TO RESTORE WALLS AND SURFACES TO NEW CONDITION.
34. ALL EXPOSED CONDUIT, PULLBOXES, OUTLET BOXES, ETC. SHALL BE PAINTED TO MATCH SURROUNDING SURFACE. COORDINATE WITH ARCHITECT. REFER TO SPECIFICATION SECTION 09900.
35. THE CONTRACTOR SHALL COORDINATE THE LOCATION REQUIREMENTS OF ALL DATA, IC/PA, AND PHONE OUTLETS WITH THE ARCHITECT AND THE PROJECT MANAGEMENT STAFF.
36. ALL DEMOLITION SHALL COMPLY WITH CH. 34 CBC AND CHAPTER 14 CFC.

MEP COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2010 CBC, SECTIONS 1615A.1.12 AND ASCE 7-05 CHAPTER 6 AND 13.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHE (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 LBS. ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THE PROJECT INSPECTOR WILL VERIFY THAT THESE ITEMS HAVE BEEN POSITIVELY ATTACHED. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 LBS. AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 LBS. OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 LBS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THESE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER.

EQUIPMENT ANCHORAGE NOTES

1. ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE BRACED OF ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA PER 2010 CBC, 1632A.2:

   $$F_p = \frac{a_p C_a I_p}{1.4 R_p}\left(1+2\frac{h_x}{h_r}\right)W_p$$

   WHERE:
   - F_p = HORIZONTAL SEISMIC FORCE AT SERVICE LOAD LEVEL ($\frac{E}{1.4}$)
   - a_p = 1.0 FOR RIGID EQUIPMENT; 2.5 FOR FLEXIBLE EQUIPMENT, INCLUDING EQUIP. ON VIBRATION ISOLATORS; 1.3 FOR EMERGENCY POWER EQUIPMENT
   - C_a = 0.57
   - I_p = 1.15
   - R_p = 3.0 EXCEPT AS NOTED BELOW; 1.5 FOR SHALLOW ANCHORS AND EQUIP. ON VIBRATION ISOLATORS; 1.0 FOR ADHESIVE ANCHORS
   - h_x = HEIGHT OF EQUIPMENT ATTACHMENT ABOVE GRADE
   - h_r = HEIGHT OF ROOF ABOVE GRADE
   - W_p = WEIGHT OF EQUIPMENT
2. F_p SHALL NOT BE LESS THAN $\frac{0.7 C_a I_p W_p}{1.4}$ =1.15I_p, AND

   F_p NEED NOT EXCEED $\frac{4.0 C_a I_p W_p}{1.4}$ =1.15I_p
3. THE DESIGN FORCES FOR SHALLOW OR EXPANSION ANCHORS FOR EQUIPMENT ON VIBRATION ISOLATORS SHALL BE MULTIPLIED BY AN ADDITIONAL FACTOR OF 2.0.
4. FOR LOAD COMBINATIONS, SEE 2010 CBC, 1612A.3. WELDED, BOLTED, OR OTHER INTERMITTENT CONNECTIONS SUCH AS INSERTS SHALL NOT BE ALLOWED THE 1/3 STRESS INCREASE PERMITTED IN 2010 CBC, 1612.A.3.2.
5. ALL EQUIPMENT SHALL BE DESIGNED FOR A SIMULTANEOUS VERTICAL SEISMIC FORCE EQUAL TO Ev = 0.25 CaI_pW$_p$
6. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS IN ASCE 7-05 SECTION 13.3 AS DEFINED IN ASCE 7-05 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND CBC, SECTIONS 1615A.1.20, 1615A.1.21, AND 1615A.1.22.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS WITH AN OPA#, AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL (PROJECT MANUAL) SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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REGISTERED PROFESSIONAL ENGINEER
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GLENDALE UNIFIED SCHOOL DISTRICT
BALBOA ELEMENTARY SCHOOL
NEW RELOCATABLE - PHASE 2

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GENERAL ELECTRICAL NOTES

E-1.2

FIRE ALARM WIRING SCHEDULE

DESIG.	DESCRIPTION
A	AUDIO CIRCUIT, 1#18 TSP
V	VISUAL CIRCUIT, 2#12 THHN
Z	ADDRESSABLE LOOP, 1 PR, #18 TSP
X	ADDRESSABLE LOOP, 1 PR, #16 TSP WET LOCATION
P	POWER 24VDC 2#14 THHN

* ALL FIRE ALARM WIRING SHALL BE ROUTED IN 3/4"C EMT (MINIMUM) BUT NOT LESS THAN INDICATED ON FLOOR PLANS
TP = TWISTED PAIR
TSP = TWISTED SHIELDED PAIR

FIRE ALARM EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER & CAT #	CSFML NUMBER
FACP (MAIN) (EXISTING)	FIRE ALARM CONTROL PANEL	NOTIFIER # NFS2-3030	7165-0028:0224
S	INTELLIGENT PHOTOELECTRIC SMOKE DETECTOR (CEILING)	NOTIFIER # FSP-851	7272-0028:0206
H	INTELLIGENT HEAT DETECTOR (CEILING OR ATTIC)	NOTIFIER # FST-851	7270-0028:0196
	DETECTOR BASE (SMOKE & HEAT)	NOTIFIER # B710LP	7300-0028:0123
F	ADDRESSABLE MANUAL PULL STATION (+48")	NOTIFIER # NBG-12LX	7150-0028:0199
F	CEILING MOUNTED AUDIBLE/VISUAL COMBINATION DEVICE	NOTIFIER # SPCRL(A)	7320-1653:0505
F WP	ELECTRONIC SPEAKER (WEATHER PROOF)	NOTIFIER # SPRK(A)	7320-1653:0201
FA.CA.	FIRE ALARM CABLE (INDOOR)	WEST PENN # D975 (FPL)	7161-0859:0101
UG FA.CA.	FIRE ALARM CABLE (UNDERGROUND)	WEST PENN # AQC226	7161-0859:0101
FCPS	FIRE ALARM POWER SUPPLY	NOTIFIER #FCPS-24FS8	7315-0028:0225
V-EVAL	VOICE EVAC & COMM. SYSTEM	NOTIFIER #NFC-50/100	6911-0028:0265

NOTE: ALL BATTERIES SHALL BE LABELED WITH MONTH & YEAR OF INSTALLATION.

FIRE ALARM SEQUENCE OF OPERATION

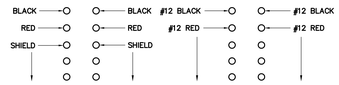
ACTION \ DEVICE	MANUAL PULL STATION	AREA SMOKE DETECTOR	ATTIC/AREA HEAT DETECTOR	SPRINKLER: WATER HEAT SWITCH	SPRINKLER: VALVE TAMPER SWITCH	SPRINKLER: KITCHEN SUPPRESSION SYSTEM	NOTES
ANNUNCIATE ALARM AT FACP & REMOTE ANNUNCIATOR	YES	YES	YES	YES	YES	YES	
ANNUNCIATE SUPERVISORY CONDITION AT FACP & REMOTE ANNUNCIATOR	NO	NO	NO	NO	YES	NO	
ANNUNCIATE TROUBLE AT FACP & REMOTE ANNUNCIATOR	YES	YES	YES	YES	YES	YES	1
ACTIVATE AUDIBLE/VISUAL SIGNAL THROUGHOUT SCHOOL (ALARM)	YES	YES	YES	YES	NO	YES	
CONTACT CENTRAL STATION(UDACT)	YES	YES	YES	YES	YES	YES	
SHUT DOWN AIR HANDLING EQUIPMENT (CONTROL MODULES)	NO	YES	YES	YES	NO	YES	2
SOUND SPRINKLER BELL	NO	NO	NO	YES	NO	NO	

NOTES:

1. INDICATE TROUBLE ON WIRING FAULT OR DEVICE AS REQUIRED.
2. SHUT DOWN ONLY AIR HANDLER EQUIPMENT IN THE BUILDING OR AREAS WHERE ALARM CONDITION OCCURS.

FIRE ALARM TERMINAL CABINET WIRING DIAGRAM

ALL FIELD WIRING SHALL BE LANDED ON SCREW TERMINAL STRIPS AT THE FIRE ALARM TERMINAL CABINET. WIRING FROM "FACP" TO LAND ON CORRESPONDING POINTS ON THE TERMINAL STRIPS. ALL CABLES SHALL BE LABELED WITH "EZ CODE" TAPE AND THE TERMINAL STRIPS SHALL ALSO BE LABELED.



SEQUENCE OF OPERATIONS

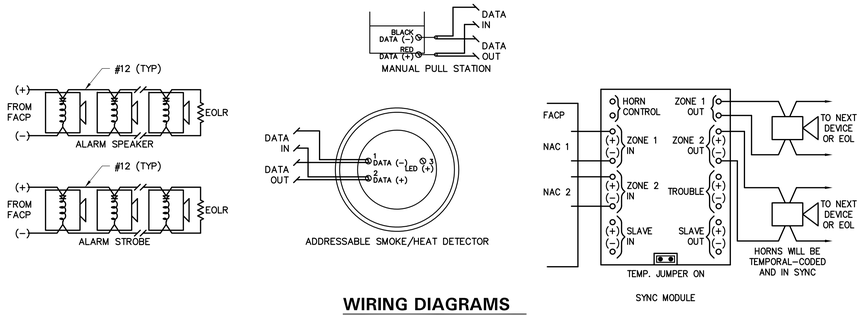
ACTUATION OF ANY MANUAL STATION, SMOKE DETECTOR, OR WATER FLOW SWITCH SHALL CAUSE THE FOLLOWING TO OCCUR:

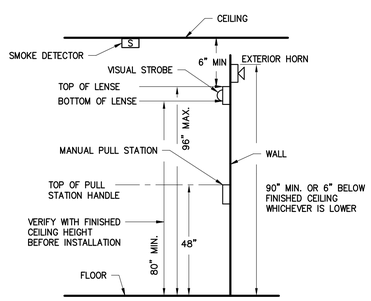
1. ACTIVATE ALL AUDIBLE CIRCUITS THROUGH OUT THE BUILDING IN 3-PULSE TEMPORAL PATTERN UNTIL THE CONTROL PANEL IS SILENCED AND THEN RESET.
2. ACTIVATE ALL VISUAL CIRCUITS THROUGHOUT THE BUILDING UNTIL THE CONTROL PANEL IS RESET.
3. ANNUNCIATE THE INDIVIDUAL ACTIVATED INITIATING DEVICE AT THE LCD DISPLAY ON THE CONTROL PANEL AND THE REMOTE LCD ANNUNCIATOR.
4. VISUALLY ANNUNCIATE ON THE GRAPHIC ANNUNCIATOR.
5. AUTOMATICALLY SHUT DOWN ALL MAJOR HVAC SYSTEMS AS SHOWN ON THE PLANS.
6. ACTIVATION OF ANY SPRINKLER SYSTEM LOW PRESSURE SWITCH, VALVE TAMPER SWITCH, GENERATOR RELATED STATUS, OR FIRE PUMP RELATED STATUS SHALL CAUSE A SYSTEM SUPERVISORY ALARM INDICATION.
7. NOTIFY CENTRAL STATION.
8. REFER TO LAUSD STANDARD "SYSTEM FUNCTIONAL OPERATION", SPECIFICATION SECTION 28 3180, 1.05 FOR ADDITIONAL REQUIREMENTS.
9. CSFD ACTIVATION SHALL SHUT DOWN HVAC UNIT IT SERVES PER CMC 605.

* SEE MATRIX IN SUBMITTAL BOOKLET.

WIRING DIAGRAMS

NO SCALE

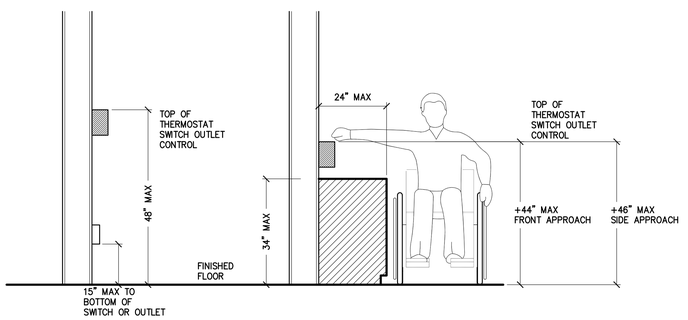




TYPICAL ELEVATION

A E-1.1

NO SCALE



MOUNTING HEIGHT OVER OBSTRUCTION

B E-1.1

NO SCALE

FIRE ALARM SYSTEM NOTES

1. THE FIRE ALARM SYSTEM SHOWN ON THESE DRAWINGS SHALL BE USED FOR CONSTRUCTION.
2. APPLICABLE CODE FOR FIRE ALARM:
   REFER TO CURRENTLY ENFORCED CODES FOR APPLICABLE EDITIONS OF THE FOLLOWING CODES:
   2016 CALIFORNIA FIRE CODE
   2016 CALIFORNIA ELECTRICAL CODE, TITLE 24 PART 2
   2016 CALIFORNIA BUILDING CODE, TITLE 24 PART 2
   2016 NFPA 72 WITH CALIFORNIA AMENDMENTS
3. AUDIBILITY SHALL BE A MINIMUM OF 15 DB ABOVE AMBIENT NOISE, BUT NOT LESS THAN 75 DB AT 10'-0"
4. THESE DRAWINGS SHALL SERVE AS SHOP DRAWINGS OF THE FIRE ALARM SYSTEM. THE DSA-ORS FOR REVIEW AND APPROVAL. THE FACILITY STAFF AND THE ARCHITECT AND ENGINEER HAVE WORKED CLOSELY WITH THE LOCAL FIRE MARSHAL TO INSURE THAT THE PROPOSED SYSTEM IS SUITABLE FOR THE FACILITY.
5. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR CONSTRUCTION.
6. THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF CALIFORNIA ELECTRICAL CODE. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM WILL BE APPROVED BY DSA-ORS. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE FIRE AUTHORITY HAVING JURISDICTION.
7. THE FOLLOWING INFORMATION IS INCLUDED IN THESE PLANS.
   a. IDENTIFICATION OF TYPE OF WIRING USED
   b. FLOOR PLAN SHOWING NEW FIRE ALARM DEVICES.
   c. RISER DIAGRAM AND POINT TO POINT DIAGRAM
   d. CSFM LISTING SHEET SHOWING EXP. DATE FOR ALL COMPONENTS
   e. MFG'S SPEC SHEET ON ALL FIRE ALARM EQUIPMENT
   f. BATTERY AND VOLTAGE DROP CALCULATIONS
   g. SYMBOLS OF ALL FIRE ALARM DEVICES INSTALLED
8. A SYSTEM OPERATION MATRIX. SHOW EFFECT OF THE OPERATION OF THE FIRE ALARM DEVICE IS SHOWN IN THESE PLANS.
9. THE ARCHITECT OF RECORD HAS STAMPED AND SIGNED THIS APPROVAL SUBMITTAL.
   (T-24. CCR. PART 1. SEC. 4-317 (9) 3).
10. REFERENCE CODE SECTION FOR NFPA STANDARDS – 2010 CBC(SFM) 3504.1.3
11. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY. TEST SHALL INCLUDE INFOR PER NFPA 72 FIGURE 10.6.2.3, READOUT VERIFICATION FORM FROM CENTRAL STATION.
12. UPON THE CERTIFICATION OF COMPLIANCE THE MANUFACTURER AND OR INSTALLER SHALL SUPPLY THE OWNER WITH A; WRITTEN OPERATING, TESTING, AND MAINTENANCE INSTRUCTIONS; POINT TO POINT AS BUILT DRAWINGS; AND EQUIPMENT SPECIFICATIONS.
13. THE CONTRACTOR SHALL LABEL ALL DEVICES (WHETHER NEW OR EXISTING) WITH "LOOP" NUMBER AND "DEVICE" NUMBER. DEVICE NUMBERS SHALL BE INDICATED ON THE AS-BUILT DRAWINGS.
14. ALL DEVCES SHALL ACCURATELY ANNUNCIATE THEIR ACTUAL LOCATION, ROOM NUMBER, ETC.
15. THE FIRE ALARM SYSTEM SHALL BE COMPLETELY TESTED AND ACCEPTED BY THE DISTRICT INSPECTOR PRIOR TO THE DISTRICT TESTING. DISTRICT TESTING, RE-TESTING, AND ACCEPTANCE TESTING SHALL BE PERFORMED BY THE CONTRACTOR AT THE CONTRACTOR EXPENSE.
16. THE SYSTEM IS A NEW "FULL" AUTOMATIC SYSTEM WITH MANUAL STATION(S) IN REQUIRED AREA(S).
17. VISUAL AND AUDIBLE DEVICES SHALL BE SYNCHRONIZED AS REQUIRED.

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FIRE ALARM INFORMATION

E-2.1

FIRE ALARM SYSTEM BATTERY STANDBY CALCULATIONS - EXISTING FACP

	SYMBOL	MODEL	DESCRIPTION	POWER FAILURE – STAND-BY CONDITION FOR 24 HOURS			POWER FAILURE – ALARM CONDITION FOR 15 MINUTES		
				QUANTITY	STAND-BY CURRENT		QUANTITY	STAND-BY CURRENT	
					EACH	TOTAL		EACH	TOTAL
(EXIST.)	FACP (EXIST)	NFS2-3030	NSF2-3030 (EXIST)	1	0.385	0.385	1	0.714	0.714
	ANN (EXIST)	LCD-80TM	REMOTE ANNUNCIATOR, TERMINAL MODE	1	0.100	0.100	1	0.100	0.100
	F (EXIST)	NBG-12LX	ADDRESSABLE PULLSTATION	5	0.0003	0.0015	5	0.005	0.025
	(EXIST)	FSP-751	PHOTOELECTRIC SMOKE DETECTOR	110	0.00015	0.165	110	0.005	0.550
	H (EXIST)	FST-751	HEAT DETECTOR	76	0.0002	0.1672	76	0.005	0.380
	M (EXIST)	FCM-1	CONTROL RELAY MODULE	9	0.0004	0.0036	9	0.005	0.045
	M (EXIST)	FMM-1	MONITOR MODULE	1	0.0004	0.0004	1	0.005	0.005
	15 F (EXIST)	P2415	STROBE – 15cd	43	–	–	43	0.053	2.279
	30 F (EXIST)	P2430	STROBE – 30cd	2	–	–	2	0.067	0.134
	75 F (EXIST)	P2475	STROBE – 75cd	30	–	–	30	0.123	3.190
	110 F (EXIST)	P24110	STROBE – 110cd	11	–	–	11	0.142	1.562
	F (EXIST)	H12/24	HORN	72	–	–	72	0.044	3.168
(NEW)	H (NEW)	FST-851	HEAT DETECTOR	4	0.0002	0.0008	4	0.0005	0.0020
	(NEW)	FSP-851	SMOKE DETECTOR	4	0.0002	0.0008	4	0.0005	0.0020
	M (NEW)	FCM-1	CONTROL RELAY MODULE	2	0.0004	0.0008	2	0.0005	0.0010
					TOTAL	0.8251		TOTAL	12.145
					TOTAL X 24 HRS	19.8024		TOTAL X 0.25 (15MIN)	3.036

TOTAL STAND-BY + ALARM 22.2384 AH
(TOTAL STAND-BY + ALARM) X 1.25 28.5480 AH
SELECT (2) BATTERIES PS-24180 OF 18AH EACH 36.0000 AH
SPARE CAPACITY 7.45 AH
– INSTALL NEW BATTERIES – INDICATE MANUFACTURE DATE ON INSTALLED BATTERIES

BATTERY CALCULATIONS - FACP-24

FCPS-1

	STANDBY EACH	STANDBY TOTAL	ALARM EACH	ALARM TOTAL
(2) 75cd STROBES	–	–	0.111	0.222
(1) POWER SUPPLY	0.071	0.071	0.107	0.107

STANDBY x 24 HRS
(.071) x (24) = 0.1704 HRS.

ALARM x 15 MIN. (.25 HRS.)
(0.329 x (.25 HRS.) = 0.0823A HRS.

STANDBY + ALARM
(0.1704) + (0.0823) = 0.2527 HRS.

0.2527A HR x 1.25(DERATING) = 0.3159 HR
MINIMUM BATT. SIZE = 0.3159A HRS

– INSTALL NOTIFIER PS-12558 10AH BATTERIES
– INDICATE DATE OF MANUFACTURE ON BATTERIES

WORST CASE VOLTAGE DROP

V-1 = 75' X 0.222 x 21.6 ÷ 6530 x 100 ÷ 24 = 0.23% VD (NEW)

A-1 = 115' X 0.167 x 21.6 ÷ 2580 x 100 ÷ 24 = 0.02% VD (NEW)

BATTERY CALCULATIONS - NFC 50/100

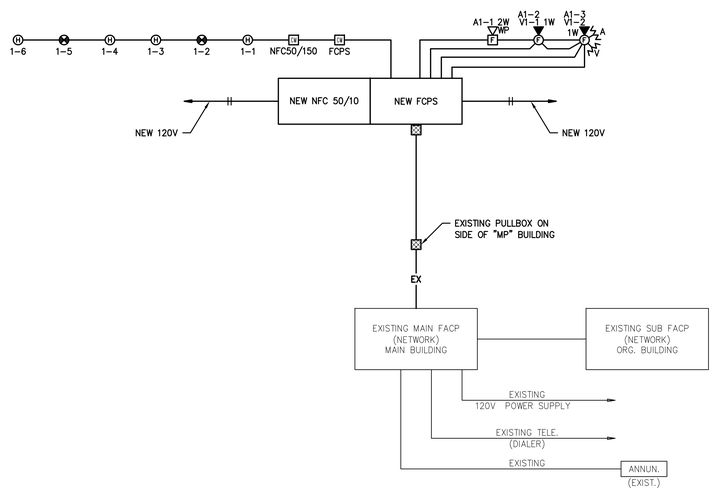
	STANDBY EACH	STANDBY TOTAL	ALARM EACH	ALARM TOTAL
(1) POWER SUPPLY	.014	.014	10.4	10.4
(3) SPEAKERS	0	0	(VARIES BY WATTAGE)	0.167 (4W @ 24VDC)

STANDBY x 24 HRS
(.014) x (24) = 0.336 HRS.

ALARM x 15 MIN. (.25 HRS.)
(10.567 x (.25 HRS.) = 2.642 HRS.

STANDBY + ALARM
0.336 + 2.642 = 2.978 HRS.

– INSTALL NOTIFIER PS-17558 10AH BATTERY
– INDICATE DATE OF MANUFACTURE ON BATTERY



FIRE ALARM RISER DIAGRAM

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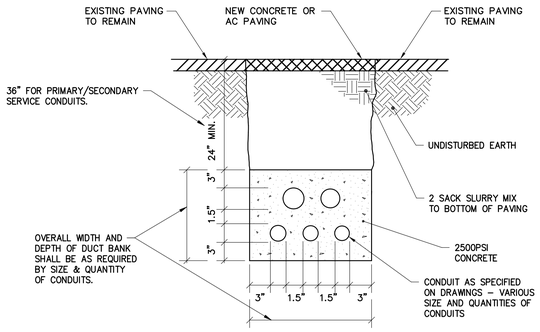
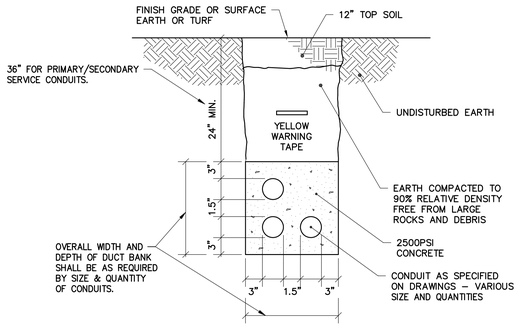
FIRE ALARM RISER DIAGRAM & CALCULATIONS

E-2.2



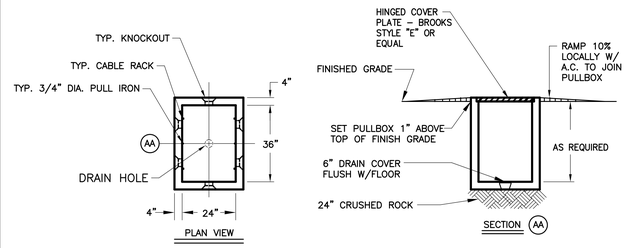
UNDERGROUND CONDUIT DETAIL AT PAVED AREAS (A / E-3.1)

NO SCALE



UNDERGROUND CONDUIT DETAIL AT UNPAVED AREAS (B / E-3.1)

NO SCALE



NOTES:

1. PRECAST CONCRETE PULLBOX SHALL BE BROOKS 100FPB(2'x3') SERIES AND 400DPB (3'x5') SERIES OR EQUAL BY QUICKSET. PULLBOX SHALL BE COMPLETE WITH STAINLESS STEEL FLATHEAD SCREWS AND SELF CLEANING HOLES. PROVIDE CABLE RACKS ON WALLS INDICATED. EACH RACK SHALL BE EQUIPPED WITH THREE (3) PORCELAIN CABLE HOLDERS ON VERTICAL STEEL MOUNTING BAR. STEEL COVER PLATES SHALL BE "ALGRID" AS MANUFACTURED BY "SAFE–WALK INC." AND SHALL CONFORM TO ASTMA–36 AND BE GALVANIZED. COVER SHALL BE RATED FOR HEAVY VEHICULAR TRAFFIC.
2. 2'x3' PULLBOX SHOWN – 3'x5' PULLBOX IS SIMILAR.

UNDERGROUND PULLBOX DETAIL (C / E-3.1)

NO SCALE

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ELECTRICAL DETAILS

E-3.1

GROUNDING OF BUILDINGS FABRICATED OFF SITE — IR E-1

References:
California Code of Regulations (CCR), Title 24
Part 3: California Electrical Code (CEC)
Discipline: Structural

Revised 01-12-11
Revised 11-03-10
Revised 10-03-07
Revised 04-21-05
Issued 09-01-99 as IR M-5

This Interpretation of Regulations (IR) is intended for use by the Division of the State Architect (DSA) staff, and as a resource for design professionals, to promote more uniform statewide criteria for plan review and construction inspection of projects within the jurisdiction of DSA which includes State of California public elementary and secondary schools (grades K-12), community colleges and state-owned or state-leased essential services buildings. This IR indicates an acceptable method for achieving compliance with applicable codes and regulations, although other methods proposed by design professionals may be considered by DSA.

This IR is reviewed on a regular basis and is subject to revision at any time. Please check the DSA web site for currently effective IRs. Only IRs listed in the document at http://www.dgs.ca.gov/dsa/Resources/IRManual.aspx at the time of plan submittal to DSA are considered applicable.

Purpose: The purpose of this Interpretation of Regulations (IR) is to provide guidelines for the proper grounding/bonding of modular buildings.

1. Metal Modular Buildings: When metal buildings are made of components, each building component, including steel ramps, must be electrically bonded together in a manner acceptable to the Division of the State Architect (DSA). Paint on the surface of steel will inhibit passage of electrical current; therefore, bolted connections of component parts are not an acceptable electrical bond.

2. Wood Modular Buildings: In wood frame modular buildings, the electrical system must be grounded as required in the California Electrical Code (CEC).

3. Grounding: The electrical circuits are usually properly grounded. However, it is also necessary to independently ground the steel frames. This is particularly important when the building is supported on a foundation made of wood. An acceptable detail is shown on the attached drawing.

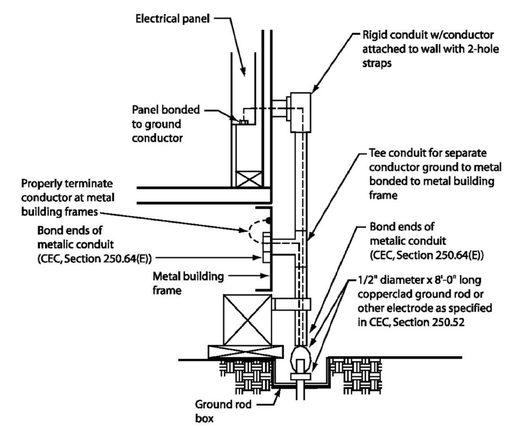
All metal building components must be electrically bonded together, and each building must be independently grounded. Multiple buildings are not to be grounded through the electrical system. All grounding systems are to be tested with a Megger unit, or in an otherwise acceptable manner. Refer to the 2007 or the 2010 CEC, Section 250.52 for specific grounding requirements.

Grounding tests are to be observed and reported by the Inspector of Record.

Attachment

Figure 1

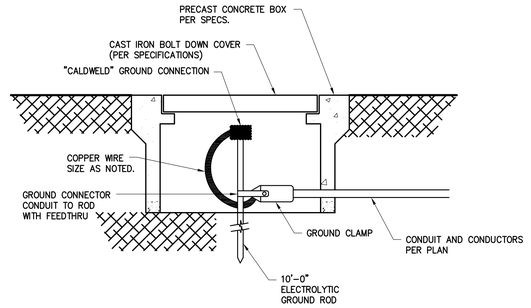
Figure 1



1. Size of conductors shall comply with CEC Table 250.66
2. Bond separate conductors from ground rod to electrical panel and to metal building frame (CEC 250.52). In addition to the detail shown above, bond the electrical ground to metal underground water pipe in direct contact with the earth for 10 ft. or more, if available (CEC 250.52).
3. All modules of metal frame buildings shall be electrically bonded together. (Bolting only is not acceptable bonding.)
4. Check resistance to ground. If resistance exceeds 25 ohms, install additional ground rod greater than six feet away (CEC 250.56). Once the second ground rod is installed, additional ground resistance testing is not required.
5. Where modular buildings are grouped together, a ground rod may be installed at the end buildings and a ground ring may be installed between them. Each intermediate modular building may be bonded to that ground ring. Where this method is used, ground resistance testing shall not be required.
6. Where modular buildings are installed on concrete foundations, a UFER ground shall be installed in the footing per [CEC 250.52 (A)(3)].
7. Other grounding methods identified in CEC 250 shall be acceptable means to achieve adequate grounding of metal buildings in compliance with the above.

SERVICE GROUND AND BOND DETAIL (E / E3.1)

NO SCALE

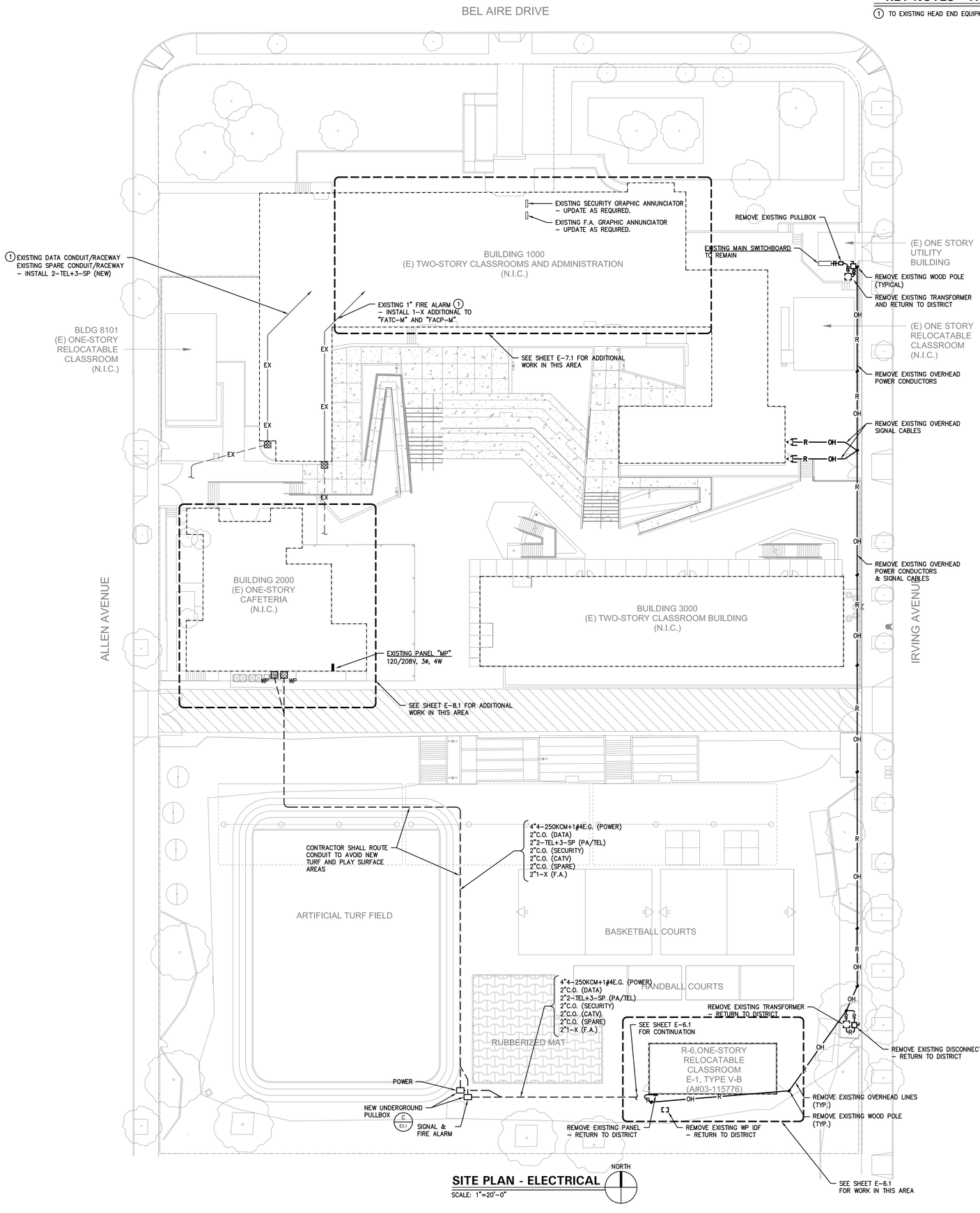


GROUND ROD DETAIL (F / E–3.1)

NO SCALE

KEY NOTES - THIS SHEET ONLY

1. TO EXISTING HEAD END EQUIPMENT.



SITE PLAN - ELECTRICAL

SCALE: 1"=20'–0"

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CHECKED	
DATE	04-30-2020

SITE PLAN - ELECTRICAL

E-5.1

MOUNTING: SURFACE
ENTER CABINET AT: BOTTOM
VOLTAGE: 208Y/120V 3ø 4W

NEW W.P. PANEL "R6"

MAIN: 125A
TYPE: –
BUSSING: 200A

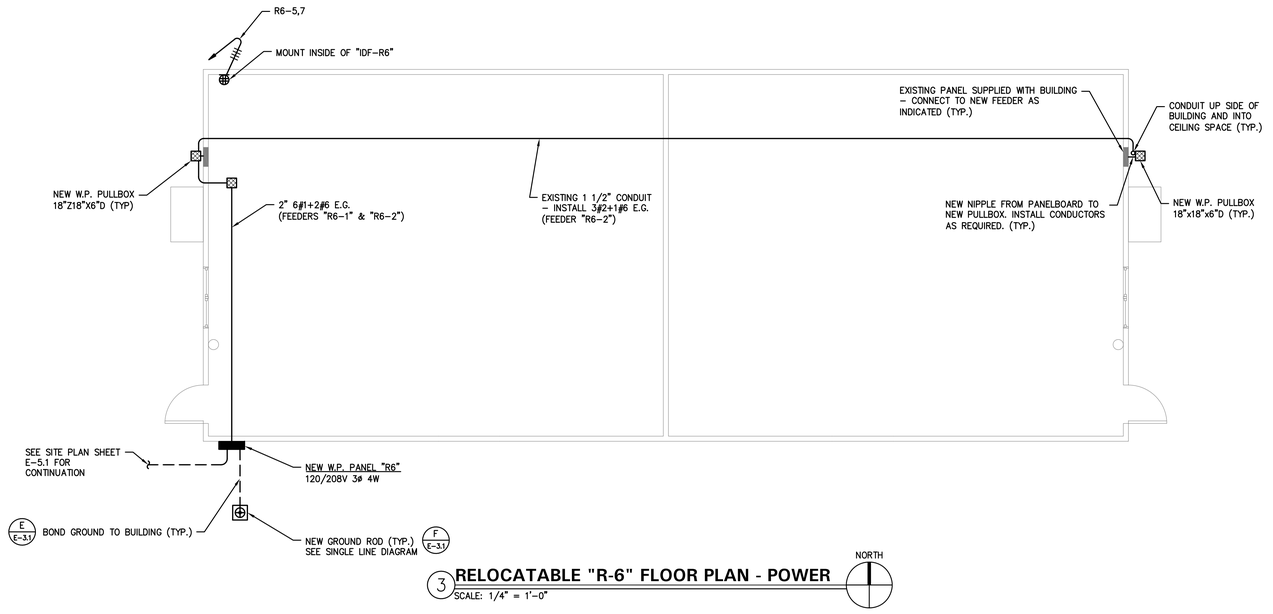
LOCATION	VOLT–AMPERES øA	øB	øC	LTG	REC	MIS	BKR. AMP	BKR. POLE	ABC		BKR. AMP	BKR. POLE	MIS	REC	LTG	VOLT–AMPERES øA	øB	øC	LOCATION
PANEL R–6A	4440			–	–	–	–	–	1	2	–	–	–	–	–	–			SPACE
		4440		–	–	–	–	–	3	4	–	–	–	–	–		4440		PANEL R–6B
IDF–R6			360	–	–	–	–	–	5	6	–	–	–	–	–			4440	
IDF–R6	360			–	–	–	–	–	7	8	–	–	–	–	–	–			SPACE
SPACE		–		–	–	–	–	–	9	10	–	–	–	–	–		–		
			–	–	–	–	–	–	11	12	–	–	–	–	–			–	
	–			–	–	–	–	–	13	14	–	–	–	–	–	–			
		–		–	–	–	–	–	15	16	–	–	–	–	–		–		
			–	–	–	–	–	–	17	18	–	–	–	–	–			–	
	–			–	–	–	–	–	19	20	–	–	–	–	–	–			
		–		–	–	–	–	–	21	22	–	–	–	–	–		–		
			–	–	–	–	–	–	23	24	–	–	–	–	–			–	
	–			–	–	–	–	–	25	26	–	–	–	–	–	–			
		–		–	–	–	–	–	27	28	–	–	–	–	–		–		
			–	–	–	–	–	–	29	30	–	–	–	–	–			–	
	–			–	–	–	–	–	31	32	–	–	–	–	–	–			
		–		–	–	–	–	–	33	34	–	–	–	–	–		–		
			–	–	–	–	–	–	35	36	–	–	–	–	–			–	
	–			–	–	–	–	–	37	38	–	–	–	–	–	–			
		–		–	–	–	–	–	39	40	–	–	–	–	–		–		
			–	–	–	–	–	–	41	42	–	–	–	–	–			–	
SUBTOTAL	4800	4440	360													0	4440	4440	SUBTOTAL

TOTAL VOLT–AMPERES/PHASE: øA= 4800 VA øB= 8880 VA øC= 4800 VA

TOTAL PANEL VOLT–AMPERES: 18480 VA + LCL 4620 VA= 23100 VA AMPS= 64.2A

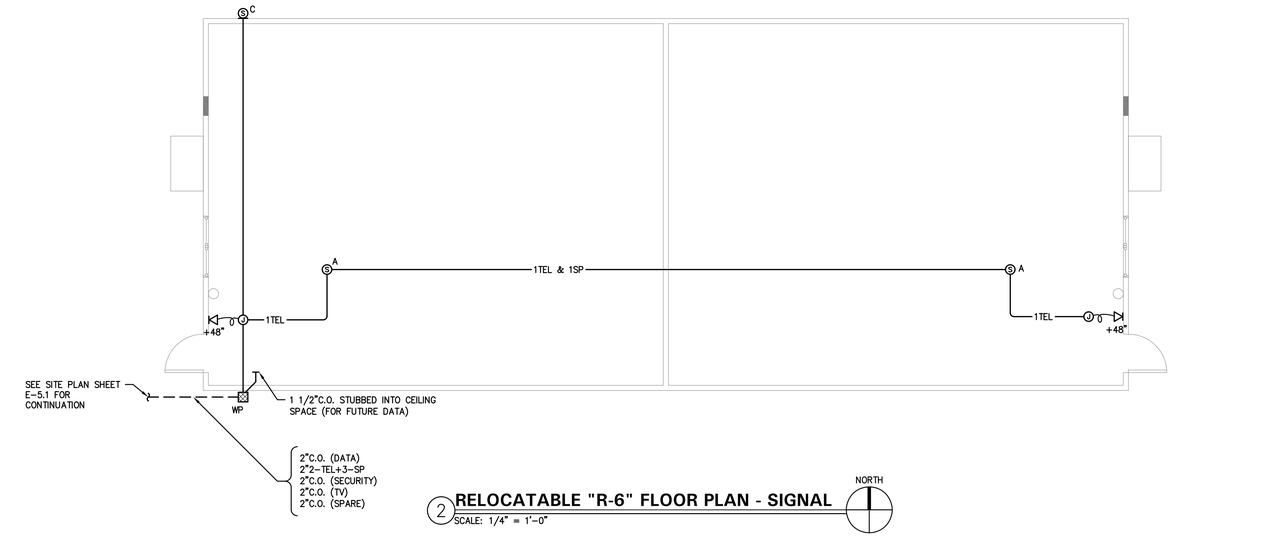
KEY NOTES - THIS SHEET ONLY

(1) INCLUDING CONTROL MODULE



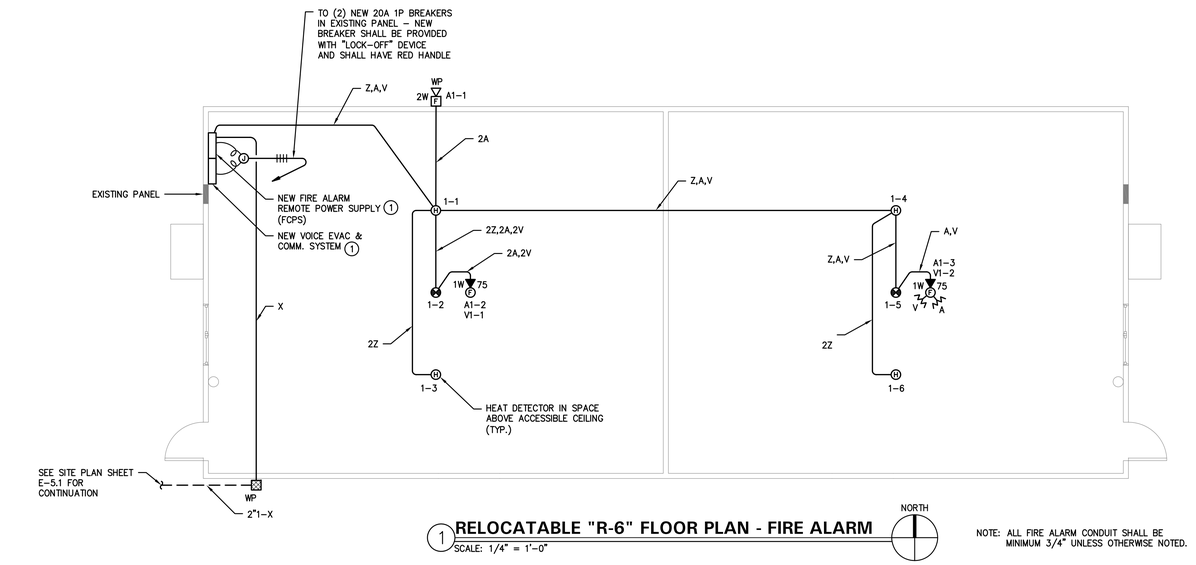
3 RELOCATABLE "R-6" FLOOR PLAN - POWER

SCALE: 1/4" = 1'–0"



2 RELOCATABLE "R-6" FLOOR PLAN - SIGNAL

SCALE: 1/4" = 1'–0"



1 RELOCATABLE "R-6" FLOOR PLAN - FIRE ALARM

SCALE: 1/4" = 1'–0"

NOTE: ALL FIRE ALARM CONDUIT SHALL BE MINIMUM 3/4" UNLESS OTHERWISE NOTED.

REVISIONS

BID DOCUMENTS

IDENTIFICATION STAMP
DIVISION OF STATE ARCHITECT
OFFICE OF REGULATION SERVICES
FILE NO.
APPL NO.
AC FLS SS
DATE

TURPIN & RATTAN
Engineering, Inc.
Consulting Engineers
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020
818 249 0444 FX 249 1467

REGISTERED PROFESSIONAL ENGINEER
No. E013986
ELECTRICAL
STATE OF CALIFORNIA

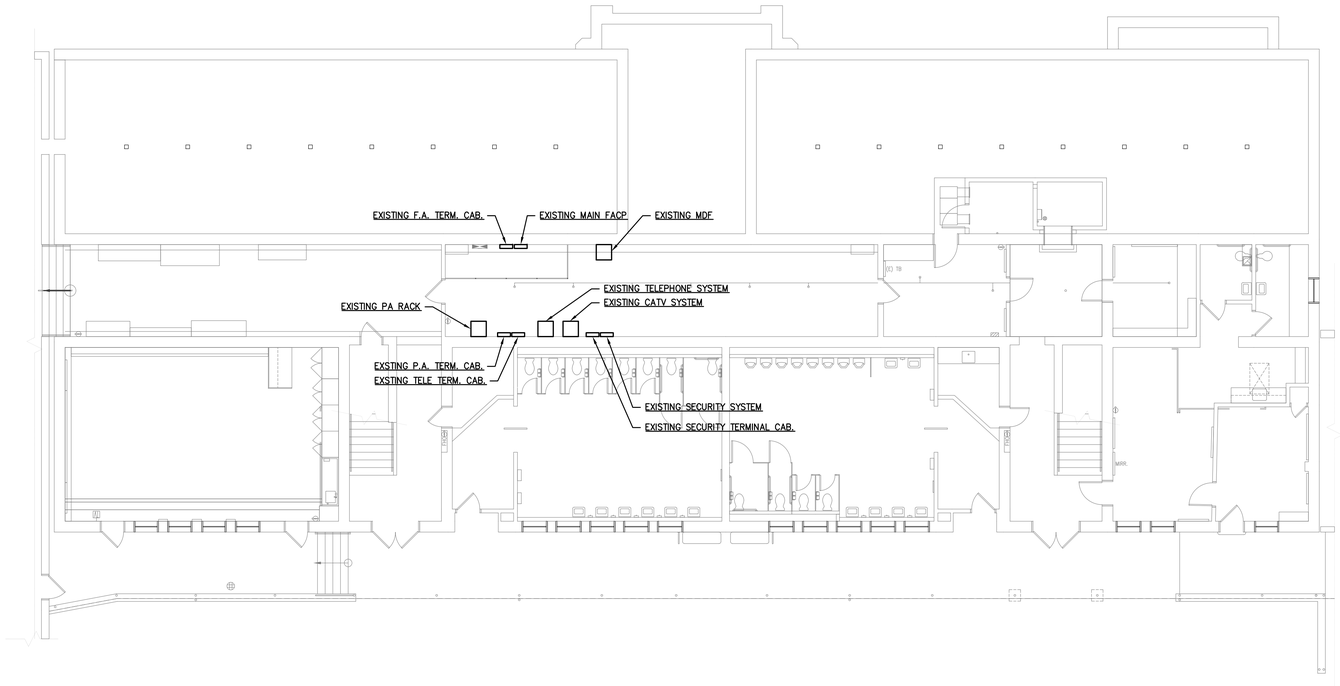
GLENDALE UNIFIED SCHOOL DISTRICT
BALBOA ELEMENTARY SCHOOL
NEW RELOCATABLE - PHASE 2
1844 BELMAR DRIVE, GLENDALE, CA. 91201

NAC ARCHITECTURE
nacarchitecture.com
837 NORTH SPRING STREET,
THIRD FLOOR
LOS ANGELES CA 90012
P 323.475.8075

NAC NO 161-17067
DRAWN RK
CHECKED
DATE 04-30-2020

PARTIAL SITE PLANS - POWER, SIGNAL, & FIRE ALARM

E-6.1



MAIN BUILDING LOWER LEVEL PLAN - ELECTRICAL

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

NORTH

REVISIONS

BID DOCUMENTS

IDENTIFICATION STAMP
DIVISION OF STATE ARCHITECT
OFFICE OF REGULATION SERVICES
FILE NO.
APPL NO.

AC____ FLS____ SS____

DATE_____

18073.M00
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020
818 249 0444 FAX 249 1467

REGISTERED PROFESSIONAL ENGINEER
MAY TAN TURPIN
No. E021990
RENEWAL 08/31/21
STATE OF CALIFORNIA

GLENDALE UNIFIED SCHOOL DISTRICT

BALBOA ELEMENTARY SCHOOL
NEW RELOCATABLE - PHASE 2

1844 BEL AIRE DRIVE, GLENDALE, CA, 91201

NAC
ARCHITECTURE
nacarchitecture.com
837 NORTH SPRING STREET,
THIRD FLOOR
LOS ANGELES CA 90012
P 323.475.8075

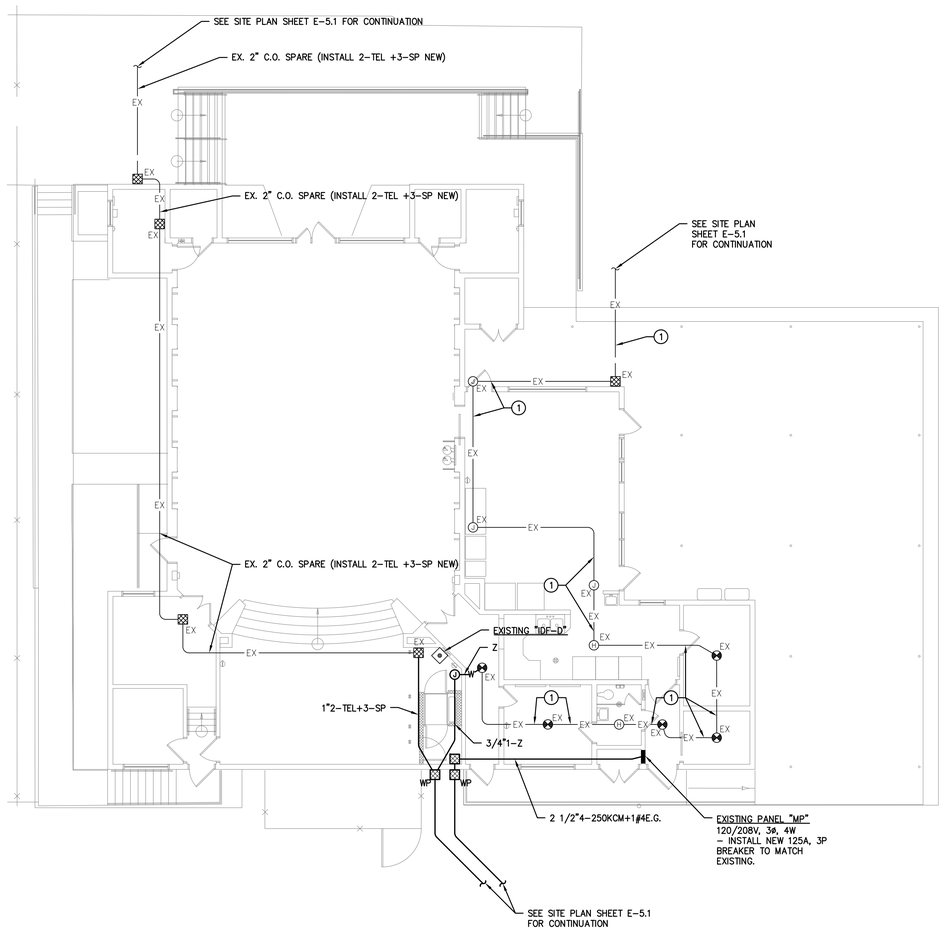
NAC NO	161-17067
DRAWN	RK
CHECKED	
DATE	04-30-2020

MAIN BUILDING LOWER LEVEL PLAN - ELECTRICAL

E-7.1

KEY NOTES - THIS SHEET ONLY

1. EXISTING CONDUIT OR WIREMOLD – INSTALL 1–Z ADDITIONAL



MULTI-PURPOSE BUILDING FLOOR PLAN - ELECTRICAL

SCALE: 1/8" = 1'–0"

NORTH

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BID DOCUMENTS

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OFFICE OF REGULATION SERVICES
FILE NO.
APPL NO.

AC____ FLS____ SS____

DATE_____

18073.MOD
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020
818 249 0444 FAX 249 1467

REGISTERED PROFESSIONAL ENGINEER
RAY TARTANIAN
No. E023990
ELECTRICAL
STATE OF CALIFORNIA

GLENDALE UNIFIED SCHOOL DISTRICT

BALBOA ELEMENTARY SCHOOL
NEW RELOCATABLE - PHASE 2

1844 BEL AIRE DRIVE, GLENDALE, CA, 91201

NAC
ARCHITECTURE
nacarchitecture.com
837 NORTH SPRING STREET,
THIRD FLOOR
LOS ANGELES CA 90012
P 323.475.8075

NAC NO	161-17067
DRAWN	RK
CHECKED	
DATE	04-30-2020

MULT-PURPOSE BLDG. FLOOR PLAN - ELECTRICAL

E-8.1

RELOCATABLE BUILDING(S)

FOR

JOB#2703 -G

GLENDALE UNIFIED SCHOOL DISTRICT

24 x 60

PC 304

BUILDING DATA

24 x 60 BUILDING

OCCUPANCY	E - 1
TYPE OF CONSTRUCTION	V - N
WIND LOAD	70 MPH. EXPOSURE "C"
FLOOR LIVE LOAD	50 PSF
PARTITION LOAD	20 PSF
ROOF LIVE LOAD	20 PSF
BUILDING AREA	1440 SF
STRUCTURAL DESIGN	RIGID FRAME

APPLICABLE CODES

TITLE 24, CCR, PART 2, 1995 CBC (94 UBC W/95 CA AMENDMENTS)
1994 UBC & 1995 CA AMENDMENTS (95 CBC - PART 2, TITLE 24, CCR)
1993 NEC & 1995 CA AMENDMENTS (95 CEC - PART 3, TITLE 24, CCR)
1994 UMC & 1995 CA AMENDMENTS (95 CMC - PART 4, TITLE 24, CCR)
1994 UPC & 1995 CA AMENDMENTS (95 CPC - PART 5 TITLE 24, CCR)
1994 UNIFORM FIRE CODE W/ STATE AMENDMENTS (CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR)
1994 BUILDING STANDARDS CODE (95 STATE REFERENCED STANDARDS CODE - PART 12, TITLE 24, CCR)
TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

LEGEND

TYPE	SYMBOL	DESCRIPTION
DETAIL	1/1	DETAIL ON SAME SHEET AS SYMBOL
DETAIL	1/2	DETAIL NUMBER (1) ON SHEET NUMBER (2)
NOTE	1	NOTE NUMBER 1. ON SAME SHEET AS SYMBOL
NOTE	* 5	NOTE NUMBER 4. ON SHEET NUMBER (5)
WALL PANEL	A 1	WALL PANEL TYPE "A" ON SHEET (1)
SECTION	A 2	SECTION "A" ON SHEET (2)
REFERENCE	1	REVISION / CHANGE IN DRAWING NO 1 IS FIRST REVISION
REFERENCE	CLOUD	HIGHLIGHTS CHANGED AREA
REFERENCE	1	DOOR NUMBER
REFERENCE	A	WINDOW NUMBER
REFERENCE	EL	SEE ELECTRICAL DWG.
REFERENCE	MV	SEE MECHANICAL DWG.
REFERENCE	STR	SEE STRUCTURAL DWG.
REFERENCE	PLG	SEE PLUMBING DWG.

SHEET INDEX

SCHOOL DISTRICT

THESE DRAWINGS, PRIOR SPECIFICATIONS AND/OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS WHO ARE LICENSED AND AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.
THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN OVERALL RESPONSIBLE CHARGE (OR I AM WHO I HAVE DELEGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).
LIST ITEMS REVIEWED AND ACCEPTED, OR DRAWINGS, A LISTING OF ALL ACCEPTED DRAWINGS IS TO BE ATTACHED.

Signature
Name
HMC Group
License No.
Exp. Date

WITH THE SIGNING OF THESE DRAWINGS, WE ACKNOWLEDGE THAT WE HAVE REVIEWED THESE PLANS AND SPECIFICATIONS AND HAVE FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE BID DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDA. WHEN THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT, THEY SHALL PREVAIL OVER CONFLICTING AREAS IN THE BID DRAWINGS AND SPECIFICATIONS, AND ANY ADDENDA THERETO.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 118996
AC FLS SS TN
DATE JUN 1 2 2019

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP03 11 76~~
~~AC FLS SS TN~~
~~DATE AUG 05 2014~~

REVISIONS

1			
2			
3			
4			
5			
6			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
JAMES K. SIMPSON, No. 3602, REGISTERED PROFESSIONAL ENGINEER, STRUCTURAL, STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2009

Architects Seal
LICENSED ARCHITECT, TROY JAY ROBERTS, No. C23, STATE OF CALIFORNIA

Division of the State Architect
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 304
AC FLS SS TN
DATE 7-1-1997

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

Job Number: 2703 - G
GLENDALE USD

TITLE SHEET

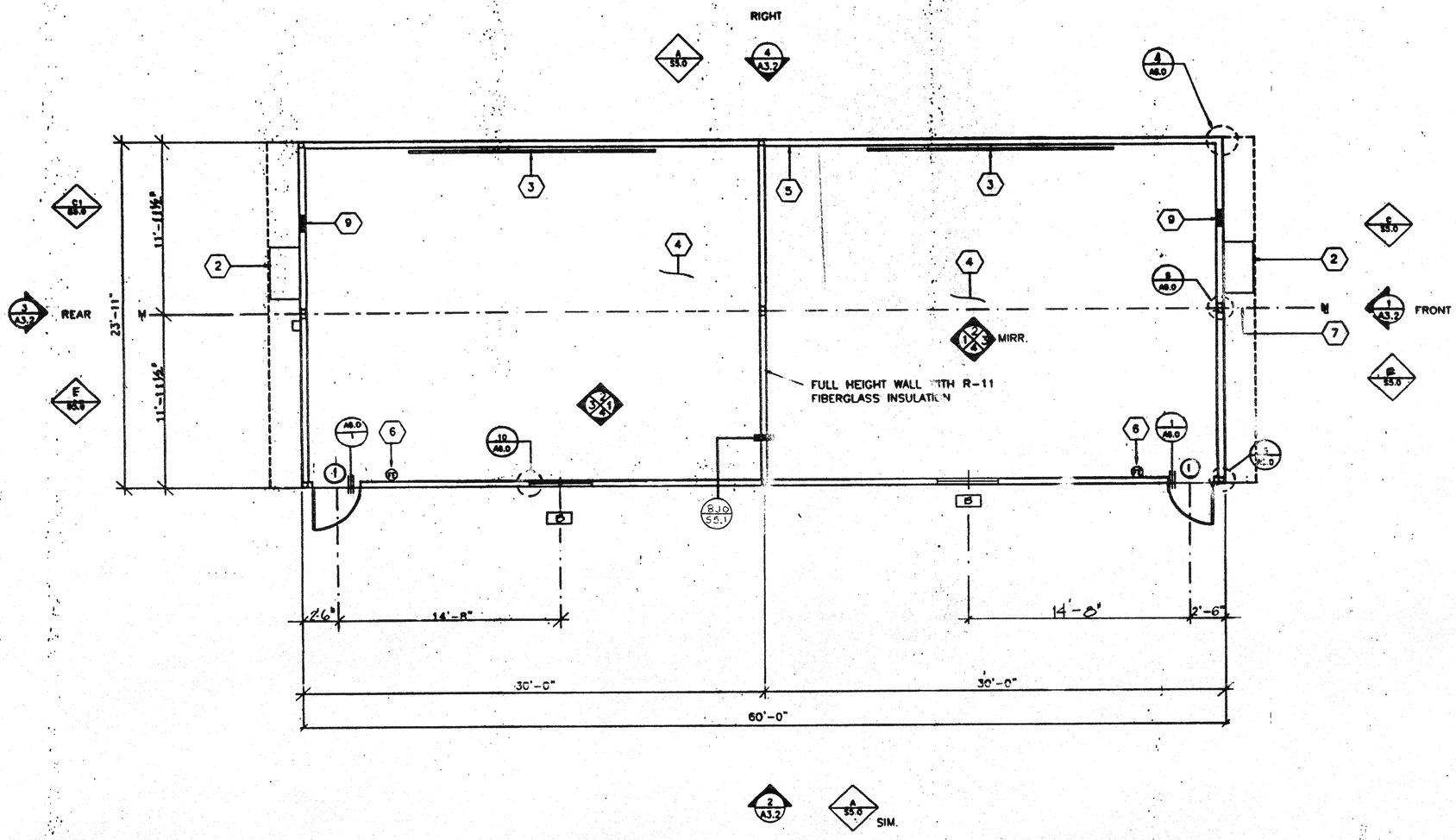
drawn by: PVH
date 10-3-98
checked by:
date:
Modtech project no.

MODTECH Index No.

A0.0

P304A0.DWG

PROJECT NO: 24x60 - G
PC 304



KEY NOTES

1. NOT USED
2. HVAC UNIT (HV)
3. 2- 8'X4' MARKER BOARDS (SEE SPEC'S. FOR TYPE)
4. FINISH FLOORING: (SEE FINISH SCHED.) A5.0
5. TYPICAL INTERIOR FINISH (SEE FINISH SCHEDULE) A5.0
6. FIRE EXTINGUISHER - 5 LBS. DRY CHEMICAL WITH 2A-10BC U.L. RATING ON WALL MTD. FIRE EXTINGUISHER HANDLE AT 48" A.F.F.
7. MODLINE (N TYPICAL)
8. OPTIONAL SIDEWALL OVERHANG
9. ELECTRICAL PANEL (EP)
10. NOT USED

NOTES

1. METAL TAG ON ALL MODULES, MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING SHOW D.S.A. APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER, ROOF AND FLOOR DESIGN LOADS, AND DESIGN WIND LOAD.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 118996
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DATE JUN 12 2019

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~~APP03 118976~~
~~AC FLS SS TN~~
~~DATE AUG 05 2014~~

FLOOR PLAN

BLDG TYPE 3

SCALE 1/4"=1'-0"

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT

DIVISION OF THE STATE ARCHITECT
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC304
AC FLS SS TN
DATE JUN 27 1997

MODTECH INC.

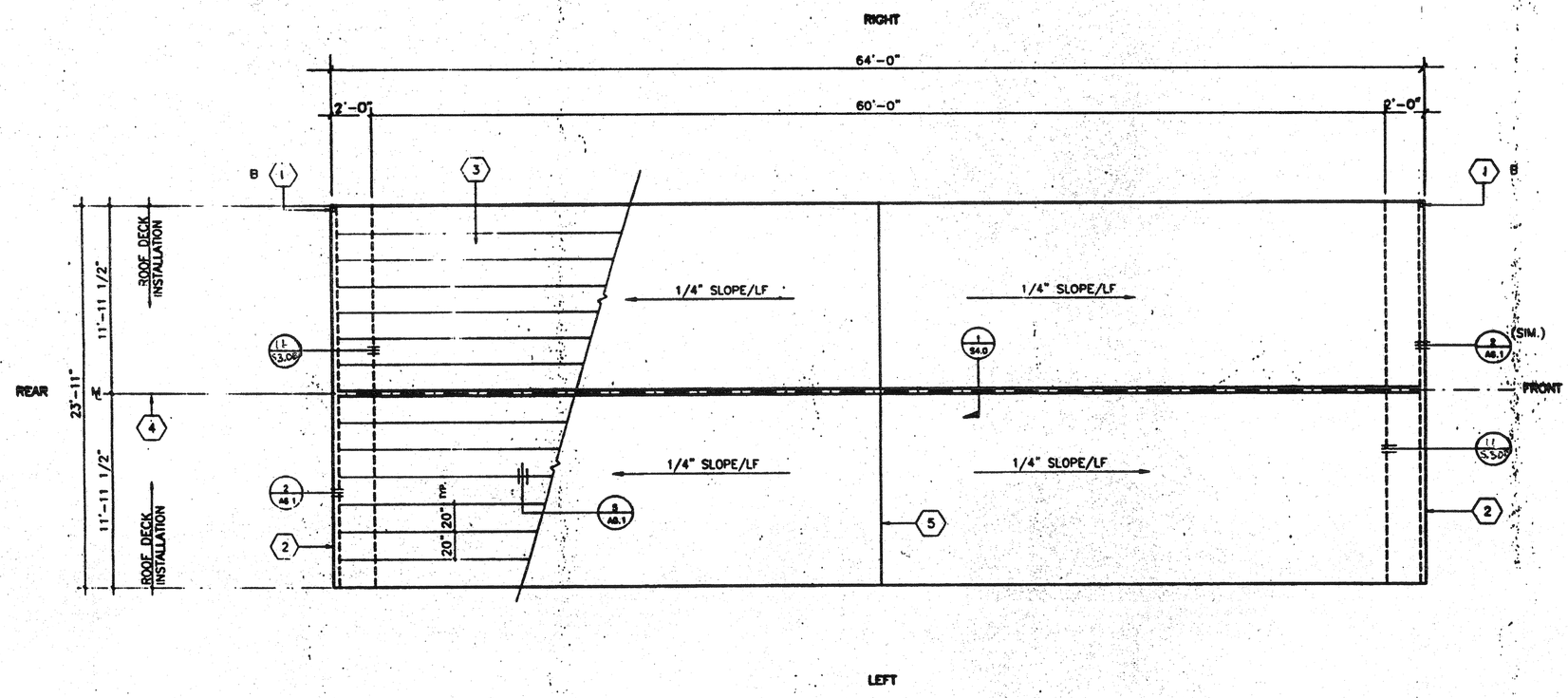
MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
FX. (909) 940-0427

JOB NO: 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

FLOOR PLAN

DRAWN BY RS
DATE 8-10-98
CHECKED BY
DATE

A1.2



KEY NOTES

1. DOWNSPOUT (TYPICAL FOR TWO) SEE 8/A6.1
2. CONTINUOUS GUTTER SEE 9/A6.1
3. 26 GA. MIN. INTERLOCKING ROOF PANELS OVER 3/4" CDX PLYWOOD OVER AQUA BAR 15 (MIN) ROOFING UNDERLAYMENT RADCO LISTING #1109
4. MODLINE
5. RIDGE LINE

KEY NOTES

1. BUILDINGS, HOUSING, GROUP E OCCUPANCIES SHALL HAVE ROOF COVERINGS AS SPECIFIED IN TABLE 15A. C.B.C., CLASS "A".

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APP# 101287
FLS SS TN
DATE MAY 2 1 1996

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DIV. OF THE STATE ARCHITECT
APP03 11 76
AC FLS SS TN
DATE AUG 0 5 2014

5/1/98

ROOF PLAN

BLDG TYPE 3

SCALE 1/4"=1'-0"

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
△			JAMES T. BUSH, No. 5008, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA, LICENSE EXPIRES 6-30-2020	LICENSED ARCHITECT TROY JAY ABBOTT, No. C-23975, STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC364 AC FLS SS DATE JAN 21 1997
△					
△					
△					
△					
△					

MODTECH INC.

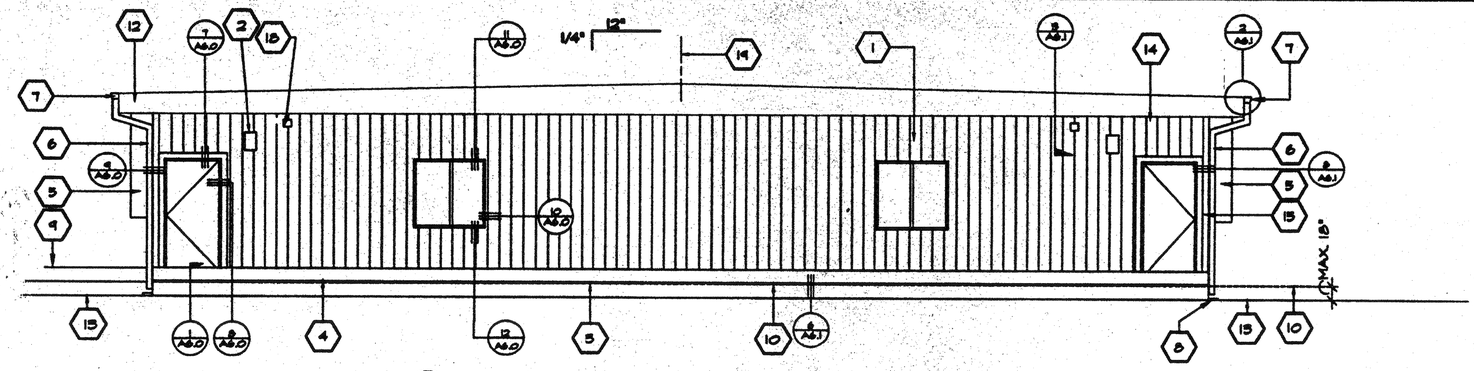
MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
FX. (909) 940-0427

JOB NO 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

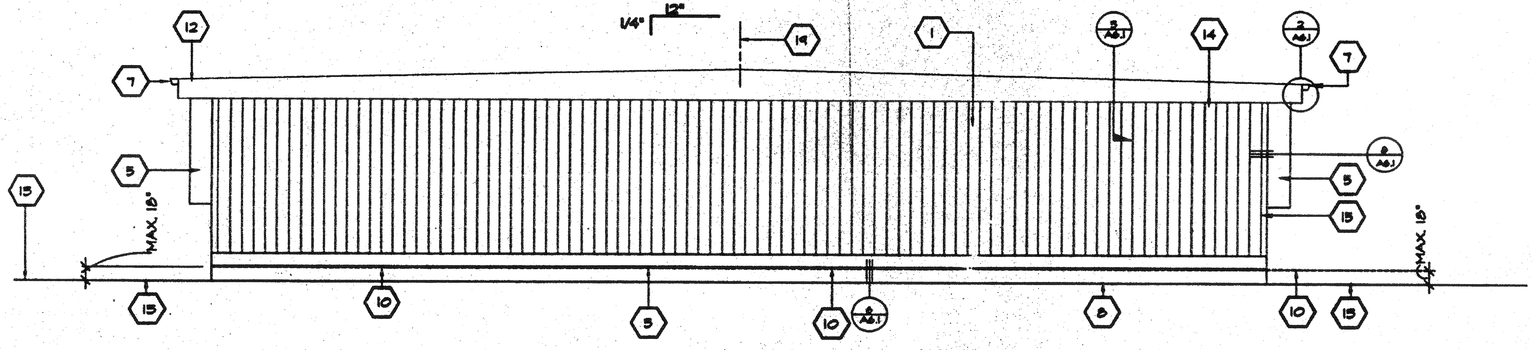
ROOF PLAN

DRAWN BY
DATE 8 10 01
CHECKED BY
DATE

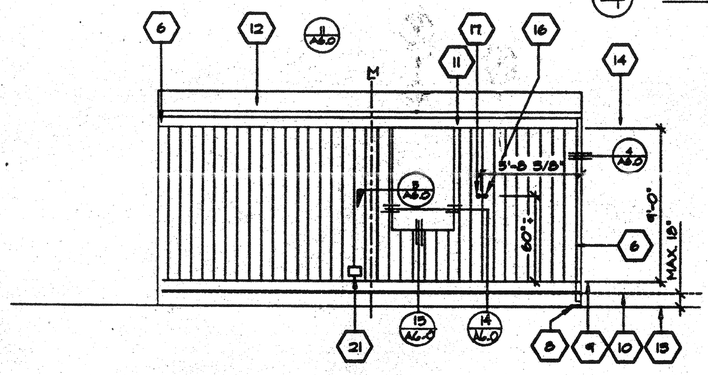
A2.2



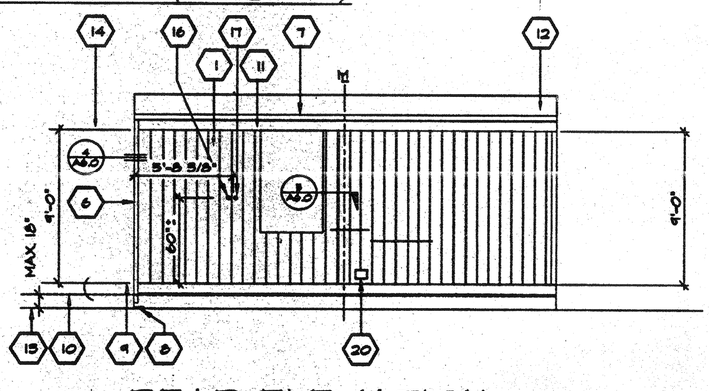
② SIDE ELEVATION (LEFT)



④ SIDE ELEVATION (RIGHT)



① FRONT ELEVATION



③ REAR ELEVATION

KEY NOTES

1. TYPICAL EXTERIOR SIDING (SEE SPECIFICATIONS)
2. EXTERIOR LIGHT FIXTURE (SEE SPECIFICATIONS)
3. TOP OF SKIRTING
4. RAMP AND LANDING SEE SHT. R-1
5. HVAC UNIT SEE SHT. MI-2
6. DOWNSPOUT (TYP.TWO) FASTEN EACH DOWNSPOUT TO BLDG. TYP. 2 PLACES (SEE 8/A6.1)
7. CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN) SEE 9/A6.1
8. SPLASH BLOCK - BY OTHERS
9. FINISH FLOOR LINE
10. BOTTOM FLANGE OF FLOOR BEAM
11. ROOF HEADER
12. ROOF OVERHANG
13. FINISH GRADE
14. ROOF BEAM (SEE STRUCTURAL)
15. COLUMN (SEE STRUCTURAL)
16. ELECTRICAL STUB-OUT 1 1/4"Ø (TYPICAL)
17. GROUND STUB-OUT 5/4"Ø (TYPICAL)
18. FIRE ALARM HORN. SEE ELEC. SHEET
19. RIDGE
20. 4/SDP WEATHER PROOF ELEC. GUTTER BOX
21. FIRE ALARM J-BOX @ 18" ABOVE FIN. FLOOR

IDENTIFICATION STAMP
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DATE MAY 11 1995

EXTERIOR ELEVATIONS

BLDG TYPE 3

SCALE 1/4"=1'-0"

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
△				LICENSED ARCHITECT TROY JAY KEY NO. C-23 STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL AC FLS SS DATE

MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
FX. (909) 940-0427

JOB NO 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

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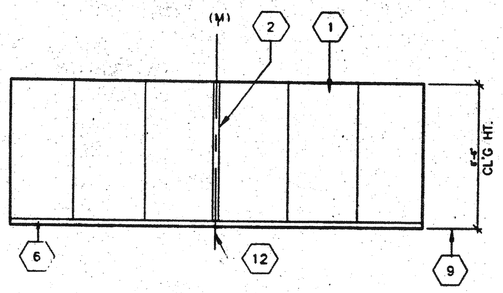
DATE AUG 05 2014

EXTERIOR ELEVATIONS

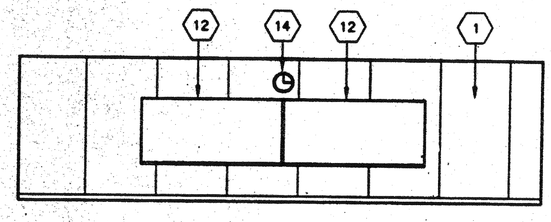
DRAWN BY RS
DATE 8-10-96
CHECKED BY
DATE

A3.2

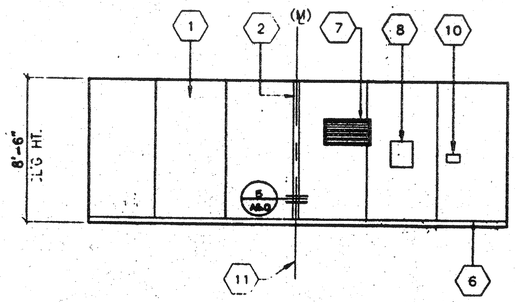
JOB NO PL-304



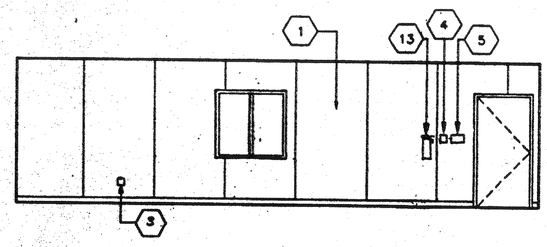
1



2



3



4

KEY NOTES

1. TYPICAL INTERIOR FINISH (SEE FINISH SCHEDULE SHT.A5.0)
2. CLOSURE AT MODULAR JOINT
3. DUPLEX WALL RECEPTACLE (EL) TYP
4. FIRE ALARM PULL STATION (EL)
5. LIGHT SWITCH (EL)
6. TOP SET BASE (TYPICAL) SEE FINISH SCHED.
7. RETURN AIR GRILL (RAG.)
8. ELECTRICAL PANEL (EL)
9. FINISH FLOOR
10. THERMOSTAT (SEE MECH. DRAWG'S)
11. MODULAR JOINT
12. 8040 MARKBOARD
13. FIRE EXTINGUISHER: 5LBS. DRY CHEMICAL WITH 2A -10BC U.L. RATING ON WALL MTD FIRE EXTINGUISHER HANDLES AT 48" A.F.F.
14. 12" DIA. ELECTRIC CLOCK (EL)

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DATE MAY 1 1997

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APP03 118996
AC FLS TN
DATE AUG 05 2014

INTERIOR ELEVATIONS

BLDG. TYPE 3

SCALE 1/4"=1'-0"

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
			JAMES T. KNOX No. 5005 REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA LICENSE EXPIRES 9-30-2000	LICENSED ARCHITECT TROY JAY AUNE No. C-23975 STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PG304 AC FLS SS DATE JAN 2 1997

MODTECH INC.

MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
FX. (909) 940-0427

JOB NO: 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

INTERIOR ELEVATIONS

DRAWN BY RS
DATE 8-10-96
CHECKED BY
DATE

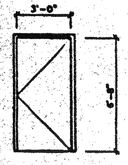
A4.2

DOOR SCHEDULE

DOORS							FRAMES					
DOOR NUMBER	FRAME OPENING SIZE	MATERIAL	TYPE	FIRE RATING	HARDWARE SET NO.	QUANTITY	MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	JAMB THROAT	NOTE NO.
1	3'-0" X 6'-8"	HM	A	NA	1		HM	7/A6.0	8/A6.0	1/A6.0	5-1/8"	

HM – HOLLOW METAL
AL – ALUMINUM
SST – STAINLESS STEEL
STL – STEEL FRAME, 16ga, FULLY WELDED, GALV @ EXTERIOR, REPUBLIC "ME" SERIES. PAINT TO
WWF – WINDOW WALL FRAME
SC – SOLID CORE WOOD
HC – HOLLOW CORE WOOD
SCL – SOLID CORE WOOD W/LAMINATED PLASTIC FACES.

DOOR ELEVATIONS



TYPE A

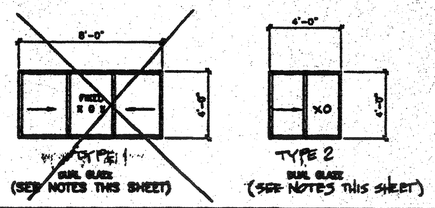
DOOR NOTES

1. DOOR HANDLES FOR LOCKSETS TO BE CENTERED @ 38" AFF & DEADBOLTS @ 44" AFF. HARDWARE TO BE OPERABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
2. ALL DOORS SHALL BE 1-3/4" THICK UNO
3. DOUBLE LETTERS IN SCHEDULE, INDICATES A PAIR OF DOORS.
4. CLOSURE SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 8.5 LBS @ EXTERIOR DOORS AND 5.0 LBS @ INTERIOR DOORS.
5. PLACE SIGN OVER EXIT DOORS: "THESE DOORS TO REMAIN UNLOCKED DURING BUSINESS HOURS"
6. SIGNAGE IS NOT IN MODTECH CONTRACT

WINDOW SCHEDULE

WIN. NO.	AMT.	TYPE	WIDTH	HEIGHT	FINISH	GLASS TYPE
A	2	B	3'-0"	3'-0"	ANODIZED	7/32" MIN, SOLAR GRAY 46%, DUAL GLAZE
B	2	2	4'-0"	4'-0"	ANODIZED	7/32" MIN, SOLAR GRAY 46%, DUAL GLAZE
C	2	B	3'-0"	3'-0"	ANODIZED	7/32" MIN, SOLAR GRAY 46%, DUAL GLAZE

WINDOW ELEVATIONS



~~WINDOW TYPE 1~~
~~DUAL GLAZE~~
~~(SEE NOTES THIS SHEET)~~

TYPE 2
DUAL GLAZE
(SEE NOTES THIS SHEET)

WINDOW NOTES

1. 4040 XO: ANODIZED ALUMINUM, DUAL GLAZING, 7/32" MIN, TEMPERED GLASS OF SOLAR GRAY WITH A LIGHT TRANSMISSION FACTOR OF 40%, ALL OPERABLE SASH SHALL HAVE SCREENS.

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FINISHES								REMARKS
		FLOOR	BASE	WALLS				CEILING	CEILING HEIGHT	
				NORTH	EAST	SOUTH	WEST			
1	CLASSROOM	C	D	F	F	F	F	L	8'-0"	

A – CARPET PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN WITH 4" TOPSET BASE.
B – RESILIENT OR EQUAL
C – VCT, ARMSTRONG STANDARD OR EXCELON
D – TOP SET BASE, 4" BURKE
E – TOP SET BASE, 6" BRIGANTINE OR SANDOVAL
F – WALL FINISH, 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING
G – 4/2" W.R. GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
H – 5/8" W.R. GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
I – 1/2" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
J – 5/8" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
K – 1/8" MARLITE OVER 1/2" W.R. GYP BOARD
L – ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)

FINISH NOTES

ALL FINISHES SHALL COMPLY W/ C.B.C. CHAPTERS 3-8 & 10, CA. FIRE CODE & TITLE 19 C.C.R.

HARDWARE SCHEDULE

HARDWARE SET #1
LOCKSET – SCHLAGE D70PD, RHODES LEVER, OR EQUAL
BUTTS – 1-1/2 PAIR HAGER 1279 BB 4-1/2 x 4-1/2 NRP 26D OR EQUAL.
CLOSER – NORTON 8501 BFDP / 900 BFDP CAL ROYAL OR EQUAL.
THRESHOLD – PEMCO 271A OR EQUAL.
DOOR BOTTOM – PEMCO 216AV OR EQUAL.
WEATHERSTRIP – PEMCO 298AV OR EQUAL.

HARDWARE SET #2 (INTERIOR PASSAGE)
LOCKSET – SCHLAGE D10S WITH RHODES LEVER, OR EQUAL
BUTTS – 1-1/2 PAIR HAGER 1279 4-1/2 x 4-1/2 OR EQUAL

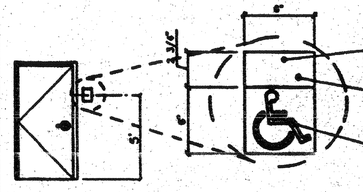
HARDWARE SET #3 (INTERIOR / OFFICE LOCKABLE)
LOCKSET – SCHLAGE D50PD, WITH RHODES LEVER OR EQUAL
BUTTS – 1-1/2 PAIR HAGER 1279 4-1/2 x 4-1/2 26D

HARDWARE SET #4 (INTERIOR TOILET ROOM / PRIVACY)
LOCKSET – SCHLAGE D40S OR EQUAL
BUTTS – 1-1/2 PAIR HAGER 1279 4-1/2 x 4-1/2 26D

HARDWARE SET #5 (INTERIOR STOREROOM)
LOCKSET – SCHLAGE D80PD WITH RHODES LEVER OR EQUAL
BUTTS – 1-1/2 PAIR HAGER 1279 4-1/2 x 4-1/2 26D

HARDWARE SET #6 (PANIC)
LOCKSET – VON DUPRIN 99L PANIC HARDWARE OR EQUAL
BUTTS – 1-1/2 PAIR HAGER 1279 BB 4-1/2 x 4-1/2 NRP 26D OR EQUAL.
CLOSER – NORTON 8501 BFDP / 900 BFDP CAL ROYAL OR EQUAL.
THRESHOLD – PEMCO 271A OR EQUAL.
DOOR BOTTOM – PEMCO 216AV OR EQUAL.
WEATHERSTRIP – PEMCO 298AV OR EQUAL.

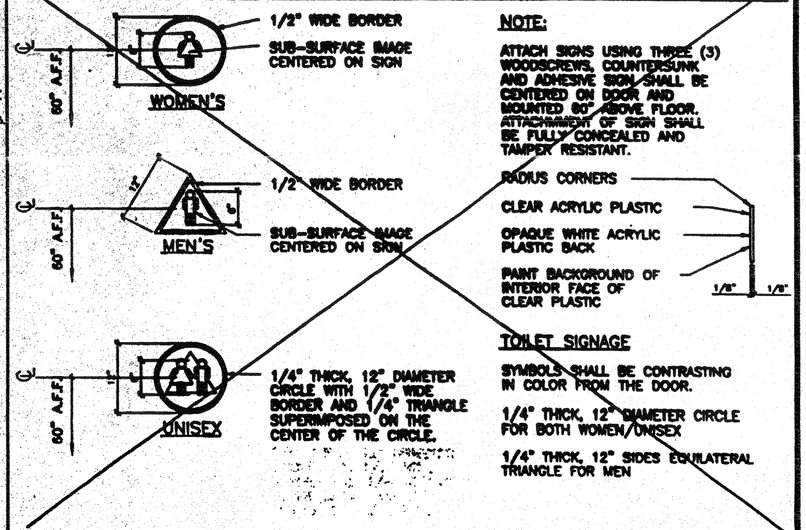
ACCESSIBILITY SIGNAGE (BY DISTRICT)



ROOM ID SIGN 1" WHITE LETTERING (HELVITICA)
CONTRACTED GRADE 2 BRAILLE DOTS 1/10" DC 2/10" BTTN CELLS 1/10" RAISED DOT
INTERNATIONAL SYMBOL OF ACCESSIBILITY

ENTRY DOOR FROM EXTERIOR VIEW

ACCESSIBILITY SIGNAGE (AS REQUIRED – BY MODTECH)



NOTE:

ATTACH SIGNS USING THREE (3) WOODSCREWS, COUNTERSUNK AND ADHESIVE SIGN SHALL BE CENTERED ON DOOR AND MOUNTED 60" ABOVE FLOOR. ATTACHMENT OF SIGN SHALL BE FULLY CONCEALED AND TAMPER RESISTANT.

RADIUS CORNERS
CLEAR ACRYLIC PLASTIC
OPAQUE WHITE ACRYLIC PLASTIC BACK
PAINT BACKGROUND OF INTERIOR FACE OF CLEAR PLASTIC
1/8" 1/8"

TOILET SIGNAGE

SYMBOLS SHALL BE CONTRASTING IN COLOR FROM THE DOOR.

1/4" THICK, 12" DIAMETER CIRCLE FOR BOTH WOMEN/UNISEX

1/4" THICK, 12" SIDES EQUILATERAL TRIANGLE FOR MEN

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 118996 AC FLS SS TN DATE JUN 12 2019

~~IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 11 76 AC FLS SS TN DATE AUG 05 2014~~

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APPL 119287 AC FLS SS DATE MAY 17

5/1/98

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER JAMES L. BIRD III No. 3686 Structural CIVIL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2000

Architects Seal
LICENSED ARCHITECT TROY JAY ADAM No. C-23971 REGISTERED ARCHITECT STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC304 AC FLS SS DATE JAN 27 97

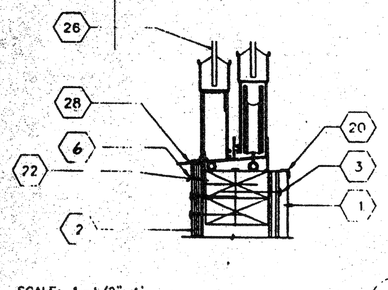
PROJECT NO: 2703-5
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

drawn by: PN date 10/96
checked by: date
filename/ project no:

MODTECH Job No. File

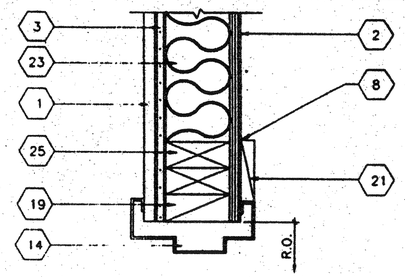
SCHEDULES

A5.0



SCALE: 1-1/2"=1'

SILL PLATE (12)



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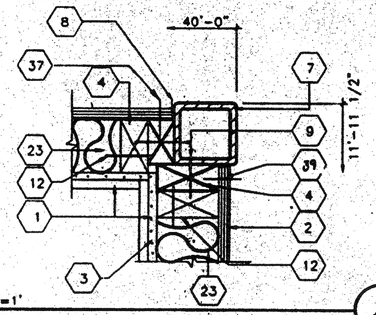
DOOR JAMB (8)



SCALE:3"=1'

CORNER COLUMN (4)

36	11GA. X 24" STEEL SUPPORT BRACKET BY HVAC MFG.
37	6-3/8" ϕ X 2" GALV. LAG SCREWS
38	2 X 6 LET IN (SEE WALL FRAMING SHT. S5.0)
39	E.N. 8d BOX ELEGRO GAL @ 6"O.C. MAX. F.N. @ 12" O.C. MAX.
40	CLOSURE SCREEN

NOTES

1. EN 8d ELECTRO GALV. @ 6" O.C.
2. FN 8d ELECTRO GALV. @ 12" O.C.

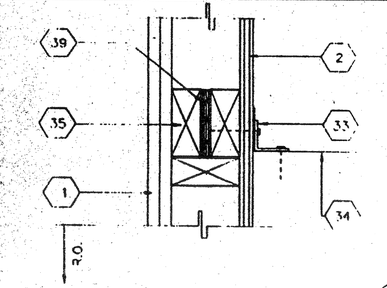
KEY NOTES

1	TYP. INTERIOR FINISH (SEE FINISH SCHED.)
2	TYP. EXTERIOR FINISH
3	1/2" GYPSUM BOARD BACKING W/ 7d COOLER NAILS @ MAX 7" O.C. TYP. @ EA. STUD
4	2X4 STUD TYP. @ 16" O.C. MAX.
5	16d @ 16" O.C. MAX.
6	J FLASHING
7	TUBE STEEL COLUMN (SEE STRUCTURAL)
8	SEALANT TYP. (SEE SPECS.)
9	ϕ10 S.T.S.M.S. @ MAX. 24" O.C. (ALT. HILTI 0.145 SHOT PIN) 2X FILLER TO COLUMN
10	VINYL CLOSURE
11	MODULE JOINT
12	16d @ 24" O.C. FACE NAIL OR 16d @ 12" O.C. TOE NAIL (SEE SHT. S5.2 NOTE 12)
13	FLOOR BEAM (SEE STRUCTURAL)
14	PRESSED STEEL FRAME (K.D. TYPE SEE A5.0)
15	ALUMINUM THRESHOLD (SEE HARDWARE SCHEDULE)
16	FINISH LANDING SEE FLOOR PLAN & FOUNDATION FOR TYPE AND FINISH
17	DOOR BOTTOM (SEE HARDWARE SCHEDULE)
18	(2) 2X4 KING STUD (SEE SHT. S5.1 TABLE 25Q FOR NAILING)
19	2X4 TRIMMER (SEE SHT. S5.1 TABLE 25Q FOR NAILING)
20	CORNER MOLDING
21	1X4 WOOD TRIM W/ 8d ELECTRO GALV. @ 12" O.C.
22	2-2X4 SILL PLATE W/ 16d @ 16" O.C.
23	INSULATION (SEE SPECS. FOR SIZE AND TYPE)
24	FINISH FLOORING (SEE FINISH SCHEDULE SHT. A5.0)
25	2X4 JAMB STUDS (SEE SHT. S5.1 DETAILS FOR NUMBER OF STUDS REQUIRED AND TABLE 25Q FOR NAILING)
26	WINDOW GLAZING (SEE WINDOW SCHEDULE SHEET A5.0)
27	DRIP FLASHING
28	ALUMINUM WINDOW FRAME WITH NAIL-ON FINISH. INSTALL W/MIN. 3" BLDG. PAPER BTWN. FIN. AND FRAMING. INSTALL WITH 8d @ MAX 24" O.C.
29	16d BOX STAGGERED @ MAX 24" O.C.
30	HEADER (SEE SHT. S5.1 WALL FRAMING DETAILS)
31	DOOR (SEE DOOR SCHED.)
32	SEE SHEET S5.1 FOR TYPICAL WALL FRAMING NAILING
33	L 1 1/2"x1 1/2"x1/8"x18" LONG ATTACHED TO A/C w/4-ϕ10 SELF TAPPING SHEET METAL SCREWS & ATTACH TO WALL
34	HVAC UNIT (SEE MECHANICAL SHEETS)
35	(3) 2X4 W/ PLYWOOD SPACER- BUILT- UP POST 4X4 ALT. POST

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APP# 101287
FLS SS
DATE MAY 4 1998

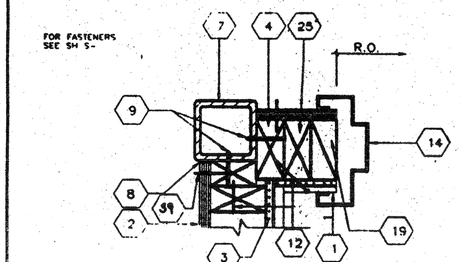
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP03 118996
AC FLS SS TN
DATE JUN 12 2019

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP03 11[illegible]76
AC FLS SS TN
DATE AUG 05 2019



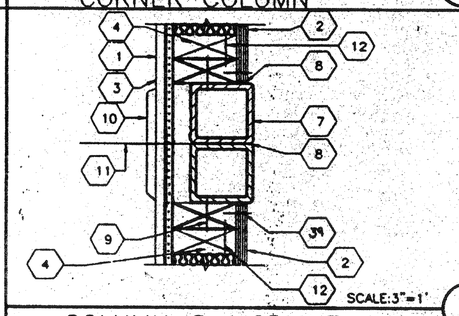
SCALE: NTS

UNIT ATTACHMENT (13)



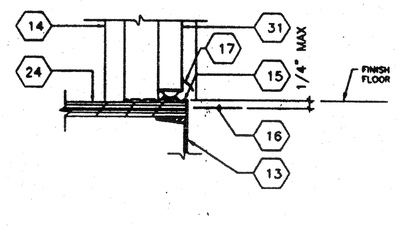
SCALE:3"=1'

DOOR JAMB (9)



SCALE:3"=1'

COLUMN @ MODLINE (5)



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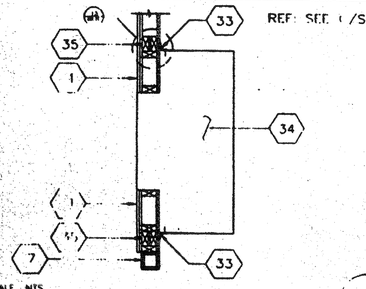
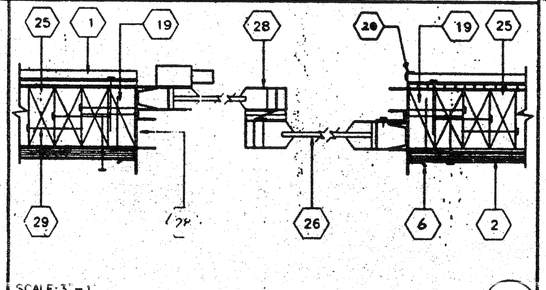
THRESHOLD (1)



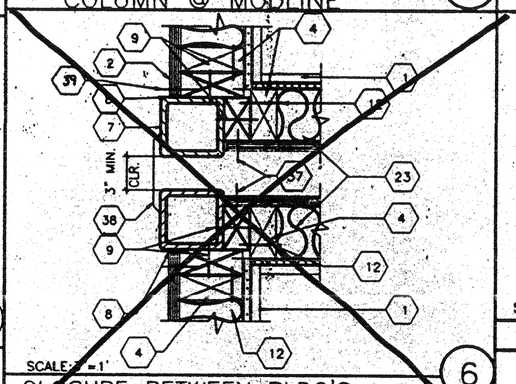
SCALE: NTS

A.C. UNIT (14)



SCALE:3"=1'

WINDOWS SECTION @ JAMBS (10)



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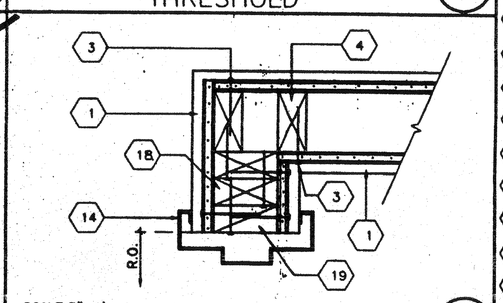
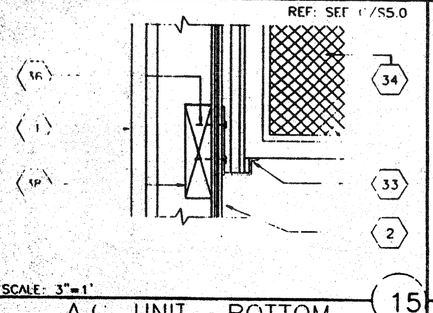
CLOSURE BETWEEN BLDG'S (OPTIONAL)



SCALE:3"=1'

INTERIOR DOOR JAMBS (2)



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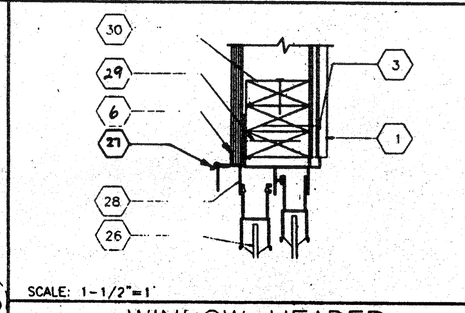
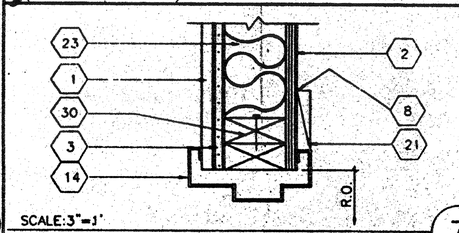
A.C. UNIT -BOTTOM (15)



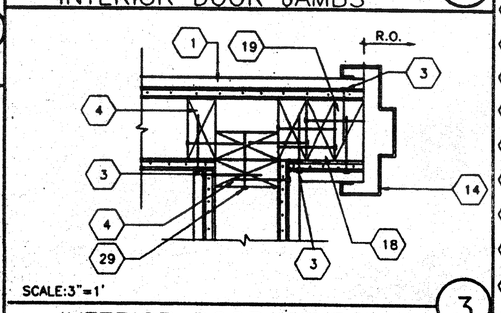
SCALE: 1-1/2"=1'

WINDOW HEADER (11)



SCALE:3"=1'

DOOR HEADER (7)



SCALE:3"=1'

INTERIOR DOOR JAMBS (3)

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
△			REGISTERED PROFESSIONAL ENGINEER JAMES T. BUSH No. S6026 STRUCTURAL STATE OF CALIFORNIA LICENSE EXPIRES 6-30-2000	LICENSED ARCHITECT TROY W. ADDY No. C22[illegible] STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC304 AC FLS SS DATE MAR 2 1997

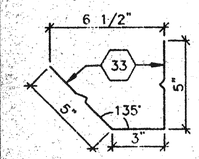
MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
FX. (909) 940-0427

JOB NO. 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

DRAWN BY RS
DATE 8-10-96
CHECKED BY
DATE

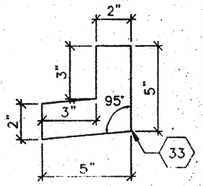
ARCHITECTURAL DETAILS

A6.0



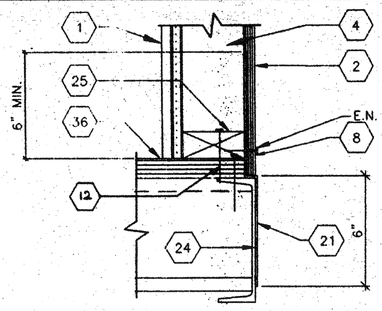
SCALE: 3"=1'

CONTINUOUS GUTTER



SCALE: 3"=1'

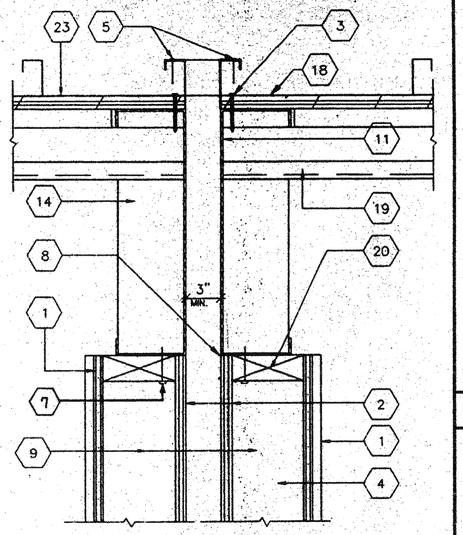
GUTTER @ BEND 9



NOTE: FLASHING AS SHOWN SUPPLIED BY MODTECH. SEE NOTE #21 ANY OTHER FLASHING OR EXTENSION IS THE RESPONSIBILITY OF THE SITE CONTRACTOR OR SCHOOL DISTRICT

SCALE: 3"=1'

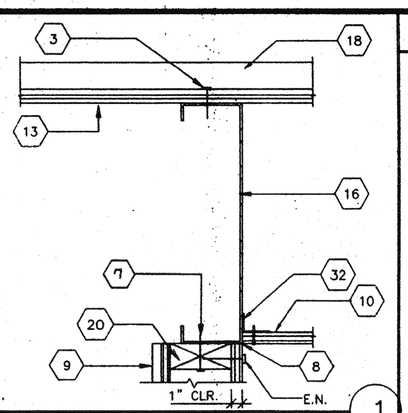
TYPICAL SILL @ FLOOR 6



"OPTIONAL"

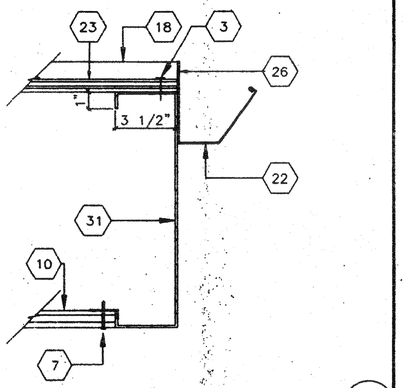
SCALE: 3"=1'

ROOF CAP @ SEP. 4



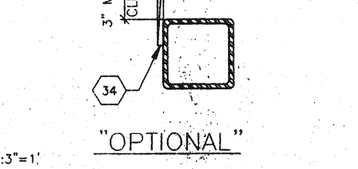
SCALE: 3"=1'

END WALL @ ROOF 1



SCALE: 3"=1'

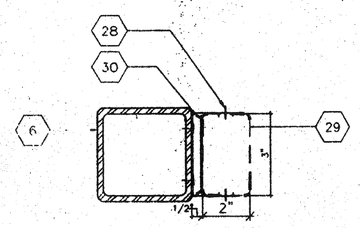
GUTTER @ ROOF FACIA BEAM 2



"OPTIONAL"

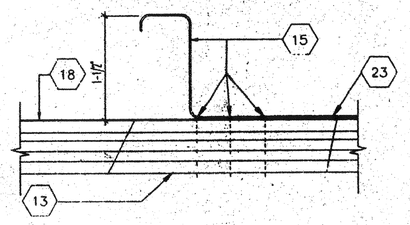
SCALE:3"=1'

SEPARATION @ COLUMNS 7



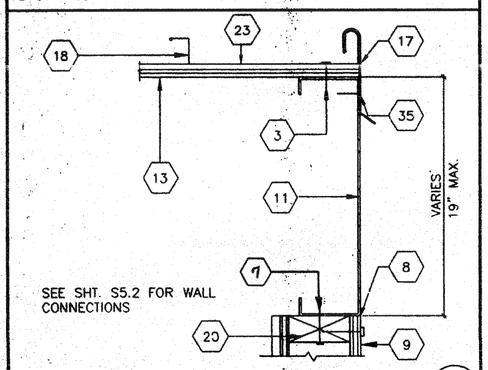
SCALE: 4"=1'

DOWNSPOUT ATTACHMENT 8



SCALE: FULL

ROOF CLIP 5



SEE SHT. S5.2 FOR WALL CONNECTIONS

SCALE: 3"=1'

ROOF FLASHING @ ROOF BEAM 3

KEY NOTES

1. TYP. INTERIOR FINISH
2. TYP. EXTERIOR FINISH
3. E.N. RF: PLYWOOD TO BEAM (SEE STRUCTURAL)
4. 2X4 STUD TYP.
5. CAP CLOSURE @ RIDGE 30GA. GALV. W/#10 STSMS @12" O.C. STAGGER W/NEOPRENE WASHERS TO RIB BOTH SIDES OF MODLINE SET CAP IN SEALANT. SEE 2.0 FOR GA.
6. TUBE STEEL (SEE STRUCTURAL)
7. #10 S.T.S.M.S. @ 6" O.C.EN & 12" O.C. FN / ALT. USE AEROSMITH AKN 144.0175 DRIVE PIN.
8. SEALANT TYP. (SEE SPECIFICATIONS)
9. EXTERIOR WALL (SEE S5.2 FOR CONNECTIONS)
10. SOFFIT (SEE SPECIFICATIONS)
11. ROOF BEAM (SEE STRUCTURAL)
12. 16d @ 8" O.C.
13. PLYWOOD ROOF SHEATHING (SEE STRUCTURAL)
14. FULL DEPTH STIFFENER PLATE (SEE STRUCTURAL FOR LOCATION)
15. ANCHOR CLIPS @ 24" O.C. & WITHIN 6" @ END OF ROOF DECKING. 3-.080X1½"SCREW SHANK NAILS EA.
16. ROOF HEADER (SEE STRUCTURAL)
17. G.I. FLASHING SEE 2.0 FOR GA.
18. STANDING SEAM MT'L ROOF DECKING (SEE A2.0 FOR GA.)
19. ROOF PURLIN (SEE STRUCTURAL)
20. CONTINUOUS 2X4 TOP PLATE
21. GALV. FLASHING (ONLY AT CONCRETE SUB-TERRAIN FOUNDATION)
22. CONTINUOUS GUTTER
23. WEATHERPROOF MEMBRANE
24. FLOOR BEAM (SEE STRUCTURAL)
25. 2X4 SILL PLATE ATTATCHED PER 4/S5.2
26. SEALANT @ END OF SEAM
27. ATTACHMENT BRACKET (TYP. 3-PLACES, TOP,BTM., & MIDSPAN W/2-#10STSMS BRACKET TO COLUMN)
28. POP RIVETS 29 TO 30 MIN. 1/8"ø
29. DOWNSPOUT 26 GA.
30. ATTACHMENT BRACKET w/2-#10 S.T.S.M.S. TO COLUMN (TYP. 3-PLACES TOP, BOTTOM & MIDSPAN)
31. ROOF FASCIA HEADER (SEE STRUCTURAL)
32. 1/2"X1 1/2"X20GA.< TACK WELD IN PLANT
33. 26GA. S.M.
34. 1 X 6 RS-WOOD TRIM ATTACH TO COLUMN ONE SIDE ONLY W/#10 STSMS @ 18" O.C.
35. #10 STSMS @ MAX. 24" O.C.
36. PLYWOOD FLOOR SHEATHING

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 118996 AC FLS SS TN DATE JUN 1 2 2019

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 11 76 AC FLS SS TN DATE AUG 05 2019

GLENDALE UNIFIED

ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY
LICENSED ARCHITECT RAVI JAY KUMAR NO. C23375 STATE OF CALIFORNIA		REGISTERED PROFESSIONAL ENGINEER JAMES T. WARD No. 34252 CIVIL STRUCTURAL MECHANICAL ELECTRICAL LICENSE EXPIRES 6-30-2000				PC304 PLS SS JUN 2 1997

MODTECH INC,

JOB # 2703-G
GLENDALE USD
FRANKLIN ELEM. SCHOOL

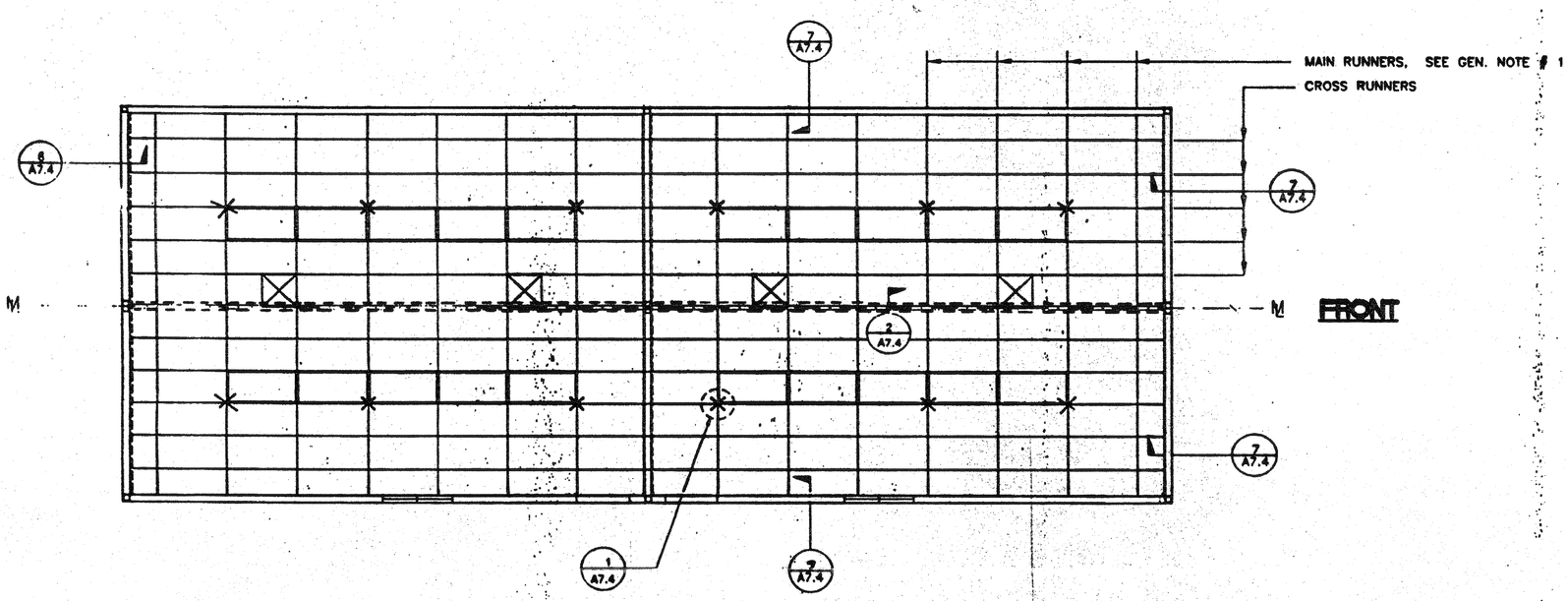
APP03 101287 AC FLS SS DATE MAY 11 1995

DRAWN BY RS
DATE 8-10-96
CHECKED BY
DATE

TYPICAL DETAILS

A6.1

JOB NO: PC-304



NOTES

1. MAIN RUNNERS @ 4'-0" W/12GA. HANGER WIRES @ END OF EACH RUNNER.
2. AT THE END OF ROWS OF RUNNERS A 12GA. HANGER WIRE SHALL BE ATTACHED WITHIN 8" OF WALL OR SOFFIT
3. VERTICAL WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTERBRACING WIRES.
4. PROVIDE 2-12GA. SLACK WIRES TO HOUSING OF ALL LIGHT FIXTURES AT DIAGONAL CORNERS. WIRES SHALL BE ATTACHED TO STRUCTURE OF LIGHT FIXTURES: 2 X 4 RECESSED, ATTACHED TO GRID W/1-#8 SHEET METAL SCREW AT EACH CORNER.
5. RUNNERS MAY BE ATTACHED TO WALLS OR MOLD AT 2-ADJACENT WALLS, OTHER WALLS NO ATTACHMENT, CLEARANCE OF 1/2" BETWEEN END OF RUNNERS AND FACE OF WALL.
6. CEILING AREAS SHALL HAVE 4-WAY SPLAYS PER DETAIL 1 ON SHEET A7.4 IN LOCATIONS INDICATED ON DRAWINGS. WIRES TAUT BUT NOT TO DISTORT GRID.
7. ARMSTRONG HEAVY DUTY PER PA-041
   - MAIN RUNNER #7301
   - 4' CROSS TEE #XL-7342
   - 2' CROSS TEE #XL-7328
   - WALL ANGLE #7800
   - STABILIZER BAR #7445-ST
8. DUCT WORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 8" TO HANGER WIRES.
9. REGISTERS SHALL BE POSITIVELY ATTACHED W/4-10GA. SHEET METAL SCREWS.
10. CEILING PANELS: 2 X 4 LAY-IN PANELS. ASTM FLAME SPREAD CLASS 1 (0-25). FLAME SPREAD SMOKE DEVELOPMENT DENSITY LESS THAN 450 (TYP.)

LEGEND

- T & T BAR CEILING
- 2'X4' ELEC. FIXTURE RECESSED
- SUPPLY AIR DIFFUSER
- SPLAY WIRE
- INDICATES FIXED SIDE (SEE DETAIL 7/A7.4)
- INDICATES FREE SIDE (SEE DETAIL 6/A7.4)

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP03 118996
AC FLS SS TN
DATE JUN 17 2019

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP. 101287
AC FLS SS TN/LA
DATE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP03 11 -6
AC FLS SS TN
DATE AUG 07 2014

REFLECTED CEILING PLAN

BLDG. TYPE 1 & 3

SCALE 1/4"=1'-0"

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
1			LICENSED PROFESSIONAL ENGINEER TROY T. BROWN No. 5611 STATE OF CALIFORNIA LICENSE EXPIRES 9-30-2020	LICENSED ARCHITECT TROY TAY ABBO NO. C-23975 STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PG 304 AC FLS DATE
2					
3					
4					
5					
6					

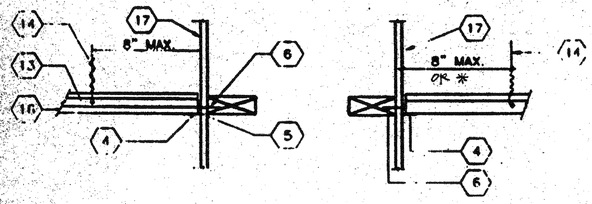
MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
FX. (909) 940-0427

JOB NO: 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

DRAWN BY: RS
DATE: 8-10-96
CHECKED BY:
DATE:

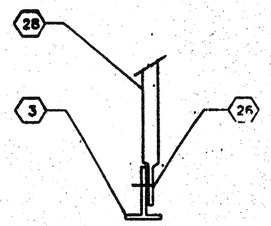
REFLECTED CEILING

A7.2



ALTERNATE

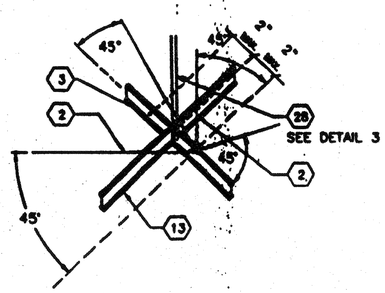
TYPICAL FIXED SIDE — 7



NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR, DEPENDING UPON CONDITION & LOCATION
5'-1" MAX LENGTH

ALT. CONN. @ BOTTOM

4



SIESMIC SPLAY - 4 WAY

1

KEY NOTES

1. 12GA. HANGER WIRE @ 4'-0" O.C. IN PINCHED OR DRILLED HOLE
2. 12GA. WIRE WITH 4 WRAPS IN 1 1/2" (TYP.)WIRE TO RUN PERPENDICULAR TO MAIN TEE
3. MAIN RUNNER
4. 1/8"ø POP RIVET TO EACH T-BAR
5. WALL ANGLE
6. 8d 16" @ FRAMING TO WALL STUD
7. ANGLE WITH 1/8"ø POP RIVET TO EACH T-BAR NO CONNECTION TO WALL ANGLE
8. TOP PLATE
9. #10 S.T.S.M.S. @ 4' O.C.
10. 3"X1/4" EYED SCREW W/2" EMBEDMENT
11. HANGER TO WALL WHERE NO RAFTER ABOVE MAX SLOPE 1" IN 6"
12. 26 GA. REFLECTED CEILING MOUNT X 2" ⊏
13. CROSS TEE
14. 12GA. HANGER WIRE AT THE END ON EACH RUNNER MIN. 4 WRAPS IN MAX 1 1/2"
15. MAIN RUNNERS OR CROSS TEES
16. ACOUSTICAL BOARD
17. FINISH WALL
18. STABILIZER BAR CONTINUOUS AT FREE SIDE TAB CLIPS ON TO MAIN BEAMS ARMSTRONG #7425 (24") #7445 (48")
19. ½" GYPBOARD FOR FIRE BLOCKING
20. NO POP RIVETS
21. PROVIDE SPACE AT ALL MEMBERS AT OPPOSITE WALL
22. #8 TEK SCREW @ MAX 24" O.C.
23. ROOF BEAM (SEE STRUCTURAL)
24. NOT USED
25. ROOF PURLIN (SEE STRUCTURAL)
26. CRIMP CONDUIT AND ATTACH TO T-BAR GRID W/#8 TEKSCREWS
27. CRIMP CONDUIT TO RAFTER W/2-#8 TEKSCREW
28. 3/4" E.M.T. CONDUIT
29. #8 TEKSCREW

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
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AC FLS SS TN
DATE JUN 7 2 2019

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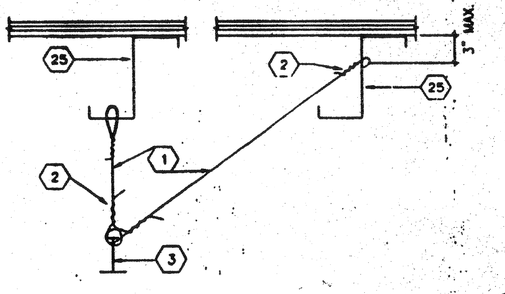
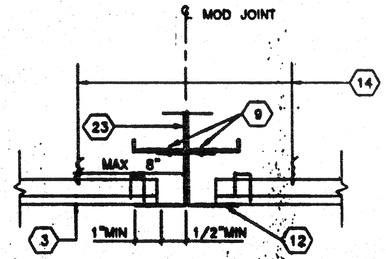
AC FLS SS TN/LA
DATE MAY 1 1 1998

* 1/4 OF THE LENGTH OF THE END RUNNER WHICHEVER IS LEAST



5

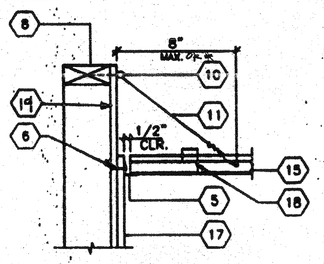


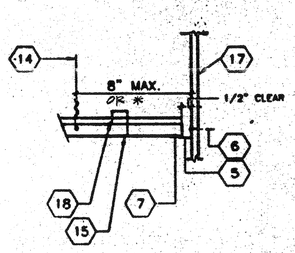
NOTE: LAY-IN CEILING TILE NOT SHOWN FOR CLARITY.

GRID AT MOD LINE
FREE SIDE

SCALE 3"=1'

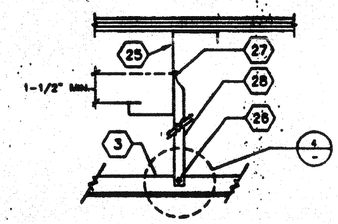
2





ALTERNATE

TYPICAL FREE SIDE — 6



NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR DEPENDING UPON CONDITION & LOCATION

3

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
△			LICENSED PROFESSIONAL ENGINEER — LICENSE EXPIRES 6-30-2020	LICENSED ARCHITECT TROY JAY ROSS — REG. NO. C-23075 — STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 304 AC FLS SS DATE 3/12/2020

MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
FX. (909) 940-0427

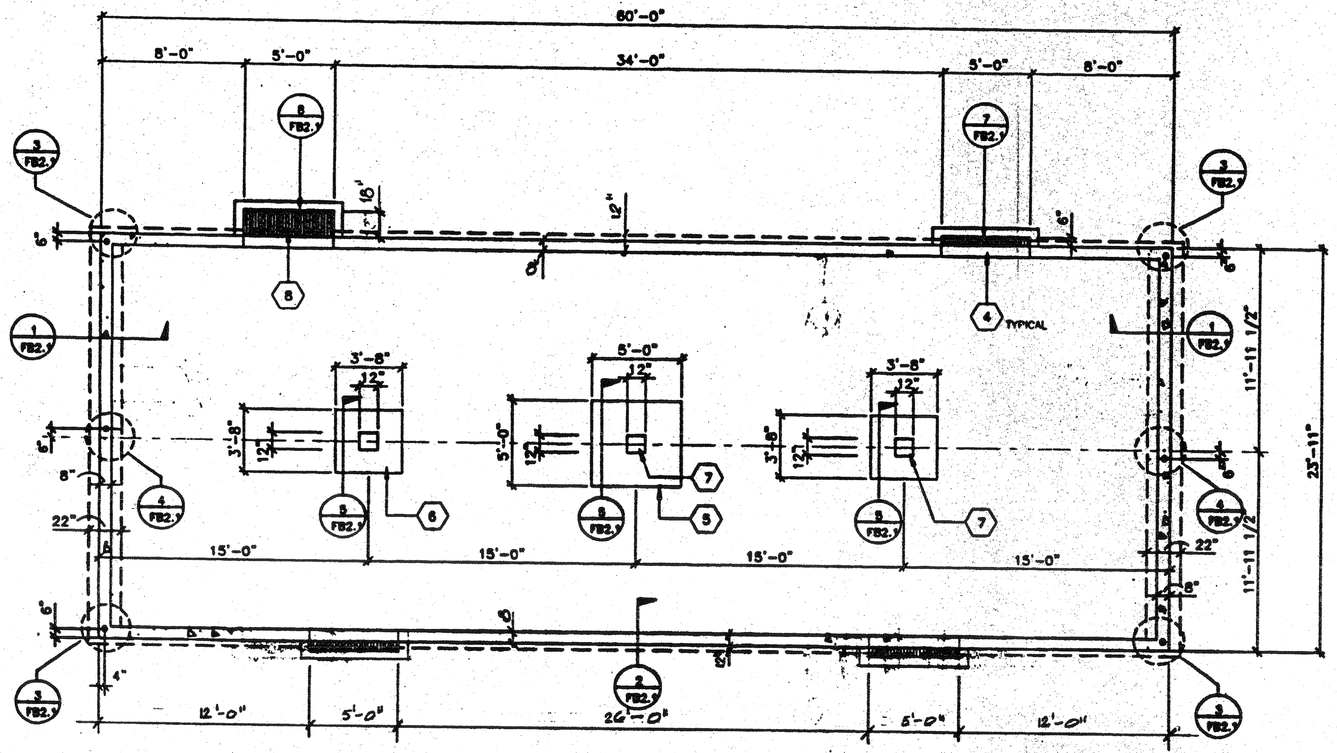
JOB NO 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP03 118996
AC FLS SS TN
DATE AUG 05 2019

DRAWN BY RS
DATE 8-10-20
CHECKED BY
DATE

REFLECTED CEILING DETAILS

A7.4



FRONT

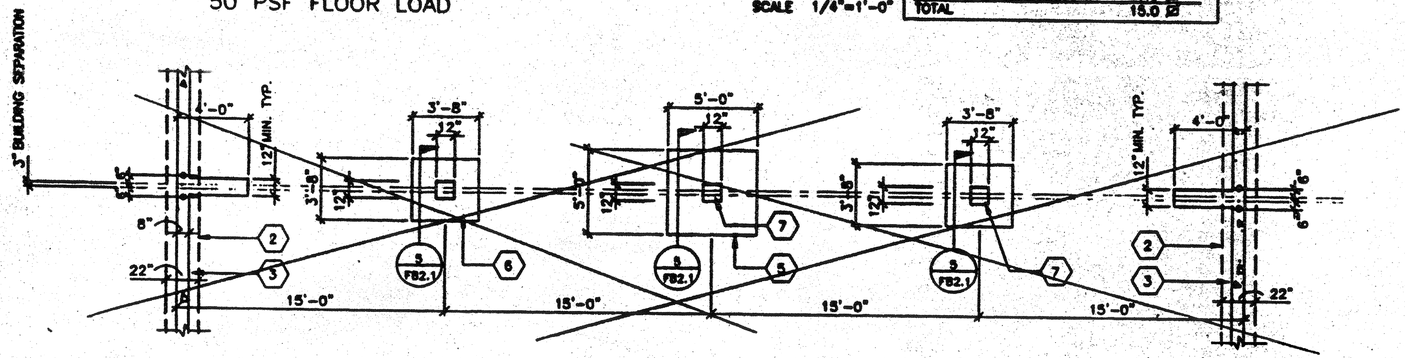
BELOW GRADE

FOUNDATION (CONCRETE)

50 PSF FLOOR LOAD

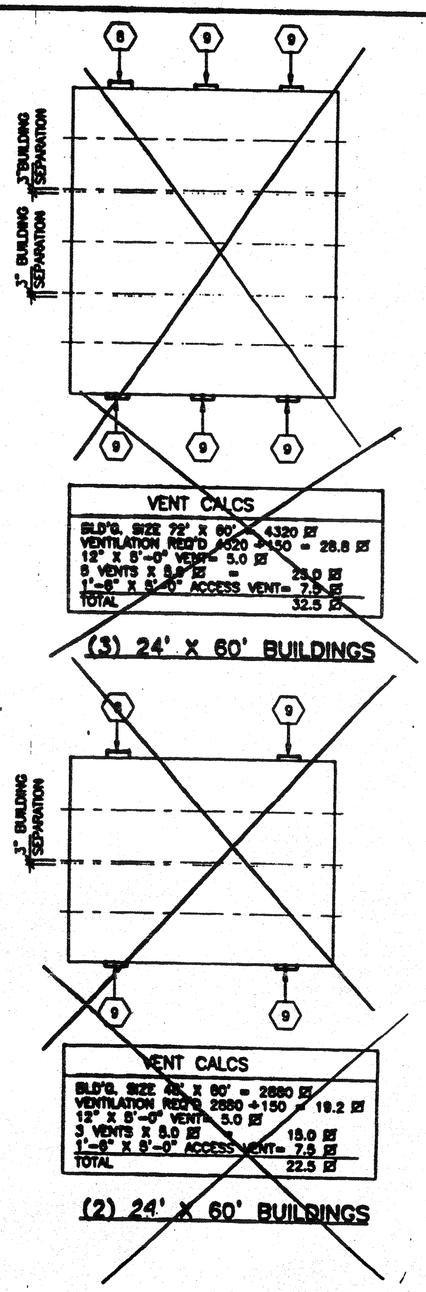
SCALE 1/4"=1'-0"

VENT CALCS
BLD'G. SIZE 24' X 60' = 1440 ☐
VENTILATION REQ'D 1440 ÷ 150 = 9.6 ☐
6" X 5'-0" VENT= 2.5 ☐
3 VENTS X 2.5 ☐ = 7.5 ☐
1'-6" X 5'-0" ACCESS VENT= 7.5 ☐
TOTAL 15.0 ☐



FOOTING AT 3" SEPARATION

REVISED
FEB 13 1997



VENT CALCS
BLD'G. SIZE 72' X 60' = 4320 ☐
VENTILATION REQ'D 4320 ÷ 150 = 28.8 ☐
12" X 5'-0" VENT= 5.0 ☐
8 VENTS X 5.0 ☐ = 25.0 ☐
1'-6" X 5'-0" ACCESS VENT= 7.5 ☐
TOTAL 32.5 ☐

(3) 24' X 60' BUILDINGS

VENT CALCS
BLD'G. SIZE 48' X 60' = 2880 ☐
VENTILATION REQ'D 2880 ÷ 150 = 19.2 ☐
12" X 5'-0" VENT= 5.0 ☐
3 VENTS X 5.0 ☐ = 15.0 ☐
1'-6" X 5'-0" ACCESS VENT= 7.5 ☐
TOTAL 22.5 ☐

(2) 24' X 60' BUILDINGS

KEY NOTES

1. NOT USED
2. NOT USED
3. NOT USED
4. 6"x5' VENT (TYPICAL)
5. 5'-0" SQ. PAD FOOTING W/ 5 - #5 EA. WAY
6. 3'-8" SQ. PAD FOOTING W/ 4 - #5 EA. WAY
7. 12" ⌀ OR ☐ PIER
8. 5'-0" X 1'-8" ACCESS VENT GRATE
9. NOT USED

THE ABOVE FOUNDATION PLAN WAS ALTERED AS SHOWN RED LINES AND DESCRIBED ON THIS FLOOR PLAN. THESE ARE CONSIDERED NON-CRITICAL CHANGES WHEN DESIGNING MULTIPLE MODULE BUILDINGS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 118996
AC — FLS — SS TN
DATE JUN 12 2019

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 101287
AC — FLS — SS TN
DATE MAY 11 1998

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 117676
AC — FLS — SS TN
DATE AUG 05 2014

FOUNDATION DESIGNED FOR 1000 PSF SOIL BEARING PRESSURE

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	Division of the State Architect
1			LICENSE EXPIRES 6-30-2000	LICENSED ARCHITECT TROY JAY HAY NO. C-23795 EXP. 12-31-98 STATE OF CALIFORNIA	CONCURRENCE STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION NO. 2003 PC 304 AC — FLS — SS TN DATE MAR 2 1 1997

MODTECH INC.
2830 BARRETT AVENUE
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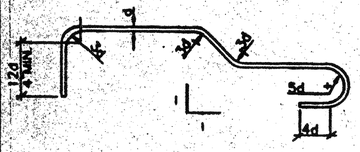
JOB# 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

FOUNDATION PLAN

FB1.1

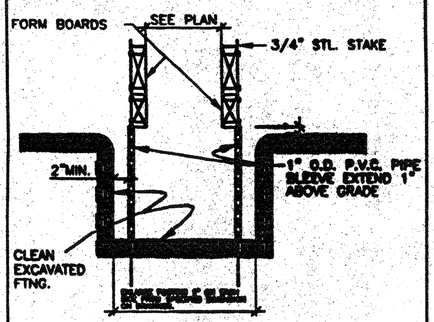
PROJECT NO. PC-304



TYPICAL REINF. BENDING DETAIL
(FOR #7 BARS OR SMALLER)

SCALE: NTS

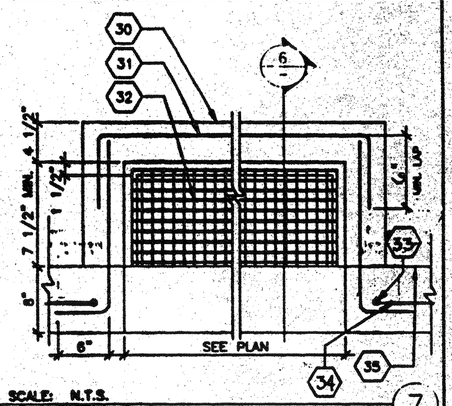
TYP. REBAR BENDING DETAIL (13)



NOTE: USE STAKE PULLER TO REMOVE STL. STAKES. DO NOT BANG TO LOOSEN.

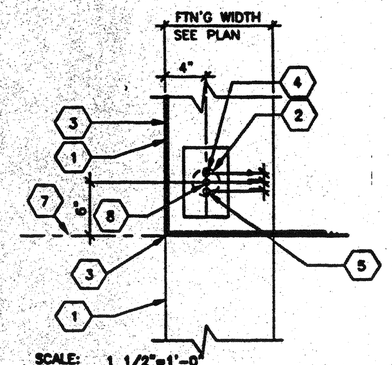
SCALE: 1 1/2"=1'

FOOTING FORMS (10)



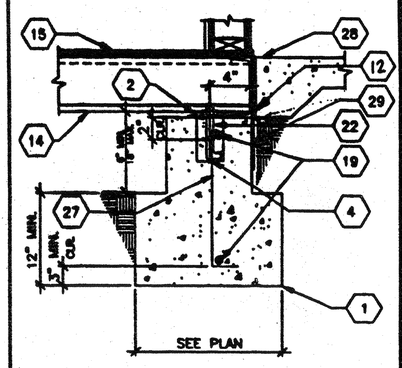
SCALE: N.T.S.

TYPICAL VENT (7)



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

ANCHOR BOLT ● MODLINE (4)

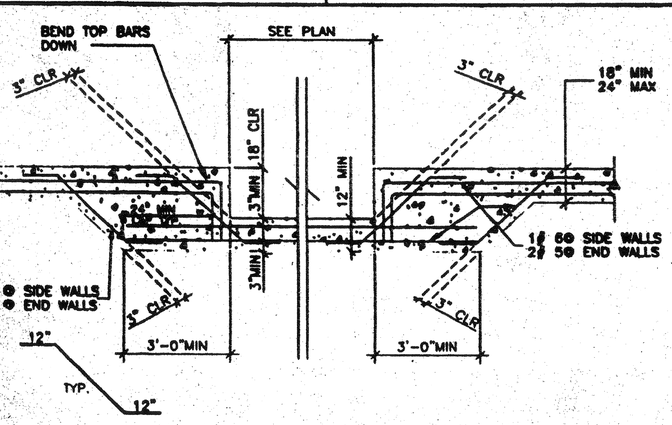


SCALE: 1 1/2"=1'-0"

TYPICAL END WALL FTG. (1)

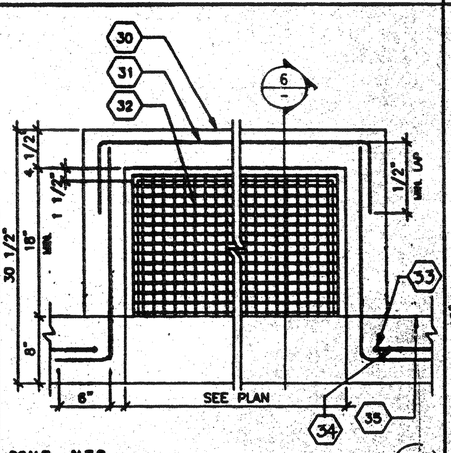
KEY NOTES

1. FOUNDATION STEMWALL OR FOOTING
2. 5" X 8" X 1/4" PLATE SEE 15/S3.1
3. STEEL FLOOR FRAME
4. 3"ø X 5" DEEP CANOUT IN FOUNDATION (BY CONC. SUB.)
5. 13/16"ø HOLES EA. SIDE OF ANCHOR BOLT
6. CONC. PIER
7. MODLINE
8. 13/16"ø HOLE FOR 3/4"ø ANCHOR BOLT
9. FINISH GRADE LINE
10. 5/8"ø M.B. SEE FLOOR FRAMING PLAN FOR SPACING
11. CONCRETE INT. PAD FTG. SEE FOUNDATION PLAN FOR SIZES
12. 26GA. GALV. SHEET METAL FLASHING BY MODTECH.
13. FLOOR JOIST SEE FLOOR FRAMING PLAN
14. FLOOR BLK'NG SEE FLOOR FRAMING PLAN
15. 1-1/8" PLYWOOD FLOOR SHEATHING
16. SCREEN 12 GA. EXP. STEEL 1/2" GALV. TACK-WELD TO ANGLE FRAME
17. FRAME ANGLE 1"X1-1/2"X1/8" WELDED GALV. VENT FRAME.
18. HILTI DN 57 -P8 3 ● BTM. 1EA. SIDE
19. # 5 CONT. REBAR TOP AND BOTTOM
20. 5"ø OR SQ. HAND HOLES ● BOLT LOCATIONS
21. 2" BUILDING SEPERATION - ADJ. BLD'G
22. 6" X 3/4"ø ANCHOR BOLT
23. (1) - #5 STEEL REINF. BARS CONT. TOP & BOTTOM ● END WALLS.
24. (4) - #5 X L VERT. REBAR
25. (2) - #4 TIES AT TOP
26. #4 TIES AT 8" O.C.
27. L #3 AT 24" O.C.
28. CONC. FLAT WORK BY SITE CONTRACTOR
29. COUNTER-FLASHING (BY OTHERS)
30. AREAWAY WALL
31. #4 REBAR TOP AND BOTTOM
32. GRATING BAR MIN. 1/2" SPAC.
33. STD. 90° HOOK (TYP.)
34. #5 AT CURB
35. LINE OF BUILDING
36. DRYWELL W/ 3/8 PEA GRAVEL
37. 1 1/4" X 1 1/4" ANGLE FRAME
38. GRATING BAR 1" AT ACCESS VENT AND 1/4" AT WALK (TYP.)
39. 3/8"ø AB X 3" ANCHOR



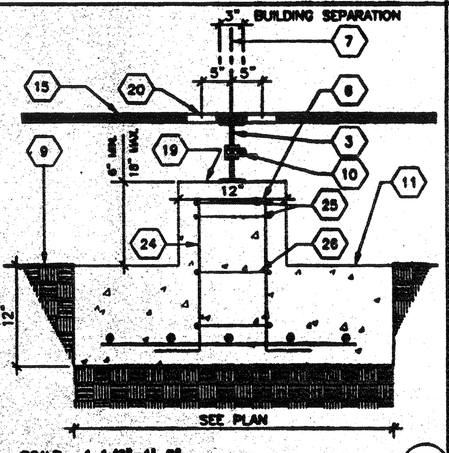
SCALE: 1/2"=1'-0"

ACCESS VENT ELEVATION (11)



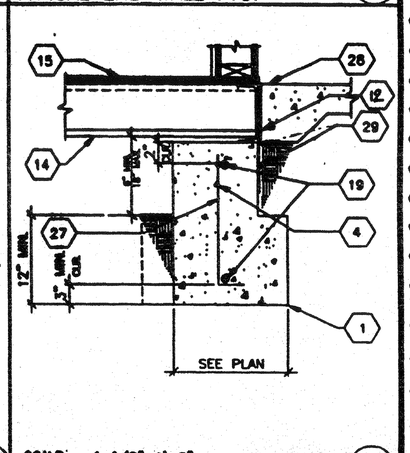
SCALE: N.T.S.

AREAWAY WALL/ACCESS VENT (8)



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

INTERIOR PAD FOOTING (5)



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

TYPICAL SIDE WALL FTG. (2)

SOIL TYPE A FOUNDATION

A. BEARING SOIL: BEARING VALUE OF 1000 PSF USED FOR DESIGN.
B. FOOTINGS: ALL FOOTINGS SHALL EXTEND 12 INCHES MIN. INTO NATIVE SOILS OR APPROVED ENGINEERING FILL.

CONCRETE

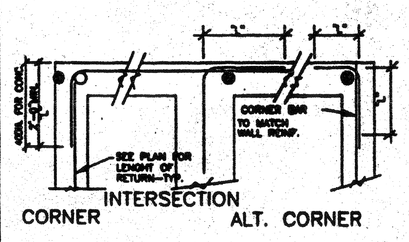
ALL CONC. SHALL HAVE THE FOLLOWING MIN. STRENGTH @ 28 DAYS: FOOTINGS f'c = 2500 PSI (DESIGN BASED ON f'c = 3000 PSI, NO SPECIAL INSPECTION REQ'D. PER UBC SEC. 306(f)1 EXCEPTION 2. CONCRETE SHALL CONFORM TO UBC 54 SECTION 2605(C) METHOD A (NON-DISPERSED MIX PER TABLE 26-A-7). ALL CEMENT SHALL BE TYPE I OR TYPE II PER ASTM C-150. MINIMUM 5½ SACKS OF CEMENT PER YARD OF CONCRETE. WATER CONTENT SHALL NOT EXCEED 6 GALLONS PER SACK OF CEMENT. AGGREGATE SHALL BE 3/8" TO 1" MAXIMUM SIZE BUT NOT MORE THAN 1/5 OF MINIMUM CLEAR BAR SPACING. ANCHOR BOLTS, BOWDLS, REINFORCING STEEL & EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONC. IS POURED.

REINFORCING STEEL

ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 GRADE 40.
WELDED REINFORCING STEEL SHALL CONFORM TO ASTM A-706, OR SHALL BE ASTM A-615 PREHEATED & WELDED PER AWS D1.4-79.

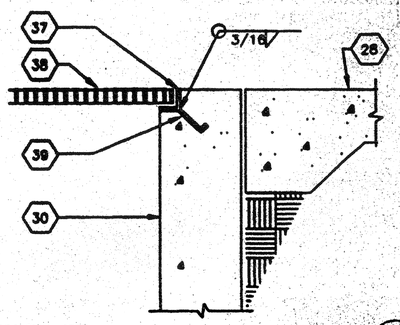
NOTE:

FOR FOOTINGS USING TRENCH FOR FORMING WIDTH SHALL BE INCREASED 2" EA SIDE



SCALE: NTS

TYPICAL REINFORCING @ CORNER & INTERSECTIONS (12)



SCALE: NTS

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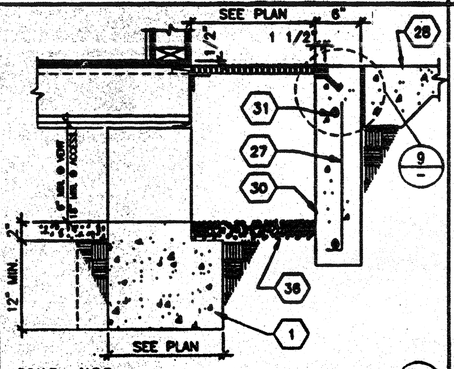
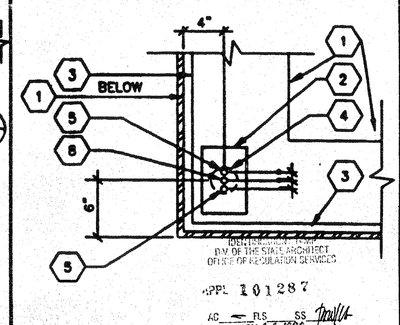
GRATING ANCHOR DETAIL (9)



SCALE: N.T.S.

ACCESS / VENT SECTION (6)



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

ANCHOR BOLT ● CORNER (3)

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
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REVISIONS

1			
2			
3			
4			
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District Engineer's Seal | Mechanical Engineer's Seal | Structural Engineer's Seal | Architect's Seal | Division of the State Architect

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

JOB# 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. sch.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APPO3 116776
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DATE AUG 05 2014

FOUNDATION DTLS(BELOW GRADE)

FB2.1

MATERIAL SCHEDULE

	NAME	SIZE	TYPE OR MFG. NAME	GRADE	COMMENTS
FLOOR	PERIMETER FRAME	C 7 X 4.5	STEEL CHANNEL Fy = 36 KSI	ASTM A-36	
	JOIST	Z 6 5/8" X 2 1/2"	12 GA. STEEL ZEE Fy = 55 KSI	ASTM A-570	WELDED TO 7" CHANNEL SEE FLOOR FRAMING PLAN FOR SPACING
	DECKING	1 1/8"	"STURD-I-FLOOR" PLYWOOD	UNDERLAYMENT	PLYWOOD SHALL BE IN ACCORDANCE WITH PS 1-83.
	INSULATION	9 1/2"	FIBERGLASS UNFACED	R-11	
	BOTTOM BOARD		TRANSIT GUARD		FASTENED TO UNDERSIDE OF FLOOR JOIST
	COLUMN EXTERIOR	4" X 4"	1/4" THICK	ASTM A-500	GRADE B
	COLUMN INTERIOR	8 1/2" x 8 1/2"	1/4" THICK	ASTM A-500	GRADE B
EXTERIOR PARTITION	PLATES	2 X 4	DOUG-FIR LARCH	STD. OR BETTER	SINGLE TOP PLATE AND SINGLE BOTTOM PLATE
	STUDS	2 X 4	DOUG-FIR LARCH	STUD	AT 16" O.C. W/ DOUBLE STUD AT 48" O.C.
	EXTERIOR FINISH	5/8"	APA RATED SIDING	EXPOSURE 1	GROOVES AT 8" O.C.
	INTERIOR FINISH	1"	1/2" VINYL TACK BOARD OVER 1/2" GYPSUM BOARD		SEE FINISH SCHEDULE
	INSULATION	9 1/2"	FIBERGLASS UNFACED	R-11	
	STEEL STUDS (OPTIONAL)	8 1/2" X 1 1/2"	20 GA. STEEL CEE	ASTM A-446	
	STEEL TRACK (OPTIONAL)	8 1/2" X 1 1/2"	20 GA. STEEL CEE	ASTM A-446	WITH KNOCK OUTS AT 24" O.C.
INTERIOR PARTITION	PLATES	2 X 4	DOUG-FIR LARCH	STD. OR BETTER	SINGLE TOP PLATE AND SINGLE BOTTOM PLATE
	STUDS	2 X 4	DOUG-FIR LARCH	STUD	AT 16" O.C.
	INTERIOR FINISH	1"	1/2" VINYL TACK BOARD OVER 1/2" GYPSUM BOARD		SEE FINISH SCHEDULE
	STEEL STUDS (OPTIONAL)	8 1/2" X 1 1/2"	20 GA. STEEL CEE	ASTM A-446	
	STEEL TRACK (OPTIONAL)	8 1/2" X 1 1/2"	20 GA. STEEL CEE	ASTM A-446	WITH KNOCK OUTS AT 24" O.C.
ROOF	PURLINS	Z 6" X 2 1/2"	14 GA. STEEL ZEE Fy = 55 KSI	ASTM A-570	WELDED TO ROOF BEAM AT 48" O.C.
	BEAM	[14"/21 1/2"/14" X 4"	10 GA. STEEL CEE Fy = 40 KSI	ASTM A-36	WELDED TO COLUMN
	HEADER	[14" X 4"	12 GA. STEEL CEE Fy = 36 KSI	ASTM A-36	
	DECKING	5/4"	PLYWOOD	CDX	PLYWOOD SHALL BE IN ACCORDANCE WITH PS 1-83 EXPOSURE 1 P.I.I 48/24
	INSULATION	8 1/2"	FIBERGLASS UNFACED	R-19	
	ROOFING	26 GA.	STANDING SEAM STEEL PANELS	CLASS "A"	INSTALL PER DRAWINGS
	ROOFING (OPTIONAL)	30 GA.	STANDING SEAM STEEL PANELS	CLASS "A"	INSTALL PER DRAWINGS

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DATE AUG 05 2019

3rd 1/28

WPL 101287
DATE MAY 11 1998

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
△			ROBERT L. BROWN No. 3344 REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA LICENSE EXPIRES 9-30-2000	LICENSED ARCHITECT ROY TAY AIA No. C-22 STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 3014 AC. FLS SS DATE JUN 2 1997

MODTECH INC.

MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
FX. (909) 940-0427

JOB NO: 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

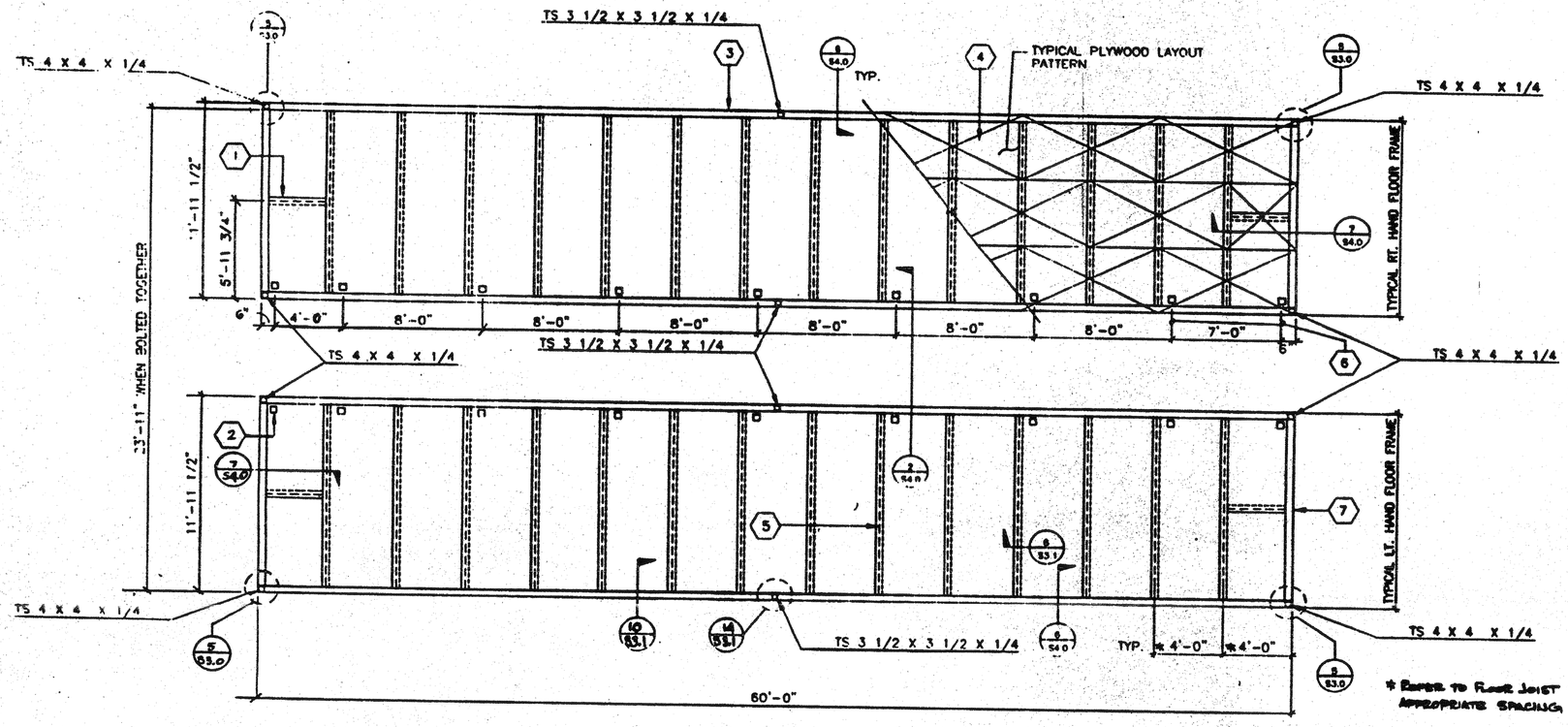
DRAWN BY: RN
DATE: 10-4-96
CHECKED BY:
DATE:

MATERIAL SCHEDULE

S0.1

FLOOR JOIST TABLE

LIVE LOAD	STANDARD	ALTERNATE
	∫ 6 3/8"X2 1/2"X12GA.	∫ 6 3/8"X2 1/2"X14GA.
50 P.S.F.	48" O.C.	32" O.C.
50 P.S.F. W/ 20 P.S.F. PARTITIONS	32" O.C.	24" O.C.
100 P.S.F.	24" O.C.	16" O.C.
125 P.S.F.	16" O.C.	12" O.C.



KEY NOTES

1. C 6 3/8 X 2 1/2 X 12GA. BLOCKING AT MIDSPAN OF FLOOR HDR. TYPICAL
2. 5" SQ. HAND HOLES AT BOLT RM TO RM (18 PLACES)
3. C 7X9.8 PERIMETER CHANNEL (TYPICAL)
4. PLYWOOD FLOOR SHEATHING: APA PS 1-83 1 1/8" THICK, STURD-I-FLOOR W/48" O.C. SPAN RATING. ATTACHED W/#10 X 1 3/4" SELF-TAPPING FLAT HEAD SCREWS AT 6" O.C. TO PERIMETER FRAME, AEROSMITH AKN 144.0175 DRIVE PINS AT 6" O.C. SUPPORTED EDGES AND 6" O.C. FIELD TO JOIST. (TYPICAL)
5. 6 3/8 X 2 1/2 X 12GA. FLOOR JOIST @ 48" O.C.
6. TYPICAL BOLT HOLE LOCATION (SEE 2/S4.0)
7. 1" ø HOLE @ MID DEPTH FOR HANDLING TYPICAL FOR (4) FOUR.

NOTE

FOR CONC. FDN. SEE F81.1 & F82.1. FOR PLATE TO FDN. ANCHOR PLATES SEE 12/S5.1

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SE/ 198

FLOOR FRAMING PLAN

BLDG TYPE 1 & 3

FLOOR LIVE LOAD – 50 PSF

SCALE 1/4"=1'-0"

ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY
LICENSED ARCHITECT ROY T. LOCY JR. NO. C-23575 EXPIRES 2-29-96 STATE OF CALIFORNIA		REGISTERED PROFESSIONAL ENGINEER JAMES V. SMITH No. 2000 CIVIL STATE OF CALIFORNIA LICENSE EXPIRES 6-30-2000				IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 304 AS FLS DATE MAR 2 4 1997

MODTECH INC.

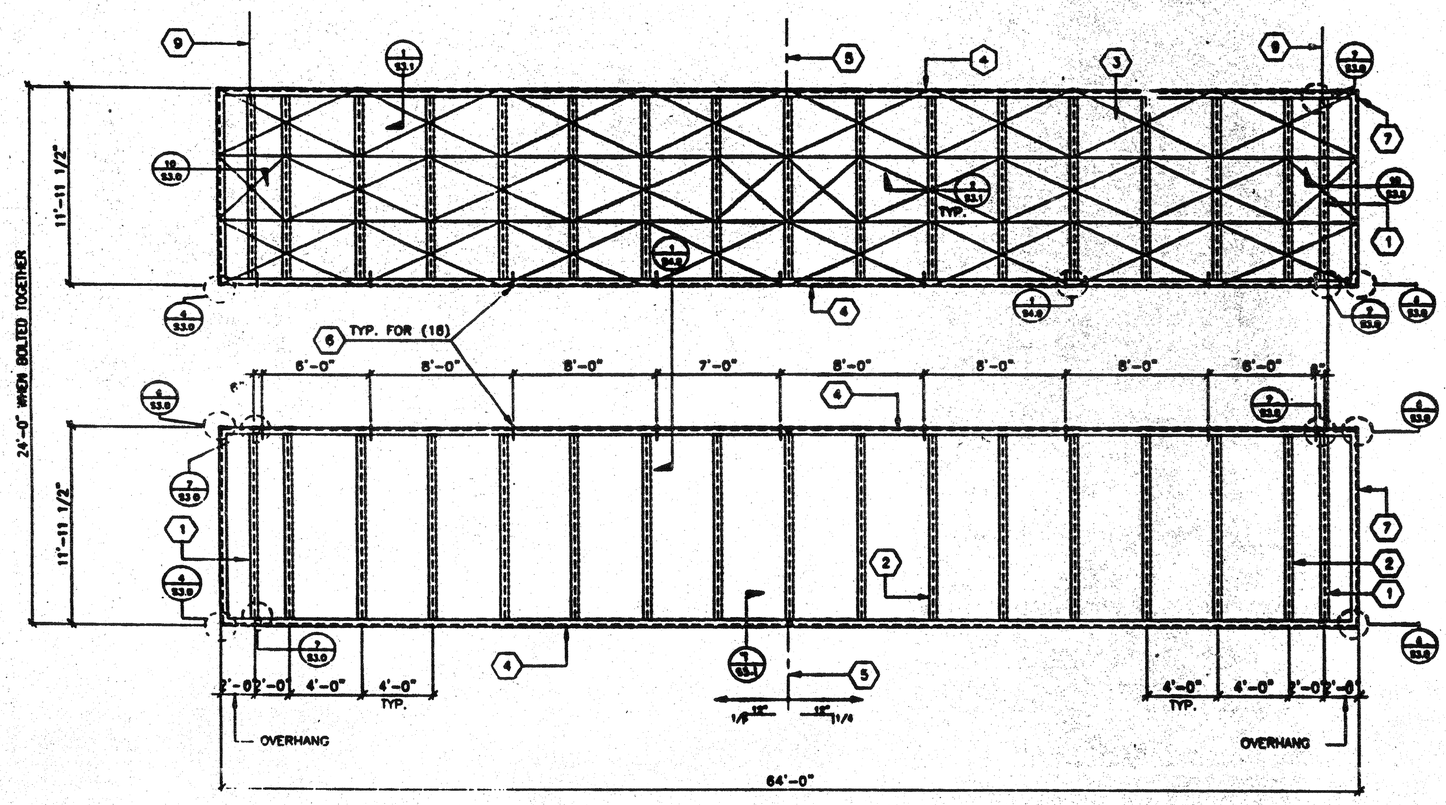
JOB # 2703-G

GLENDALE U.S.D.

FRANKLIN ELEM. SCHOOL

DRAWN BY RS
DATE 9-12-96
CHECKED BY
DATE

FLOOR FRAMING PLAN S1.0



KEY NOTES

1. 14 X 4 X 12 GA C HEADER
2. 6"X2 1/2X14 GA. PURLIN, AT 48" O.C. ALTERNATE: 4 1/2"X2 1/2X12 GA. PURLIN AT 48" O.C.
3. PLYWOOD ROOF SHEATHING 3/4" CD EXPOSURE 1 P.I.I 48/24 PSI-83 PLYCLIPS AT 16" O.C. LONG EDGES. #10-1-1/4" SELF TAPPING FLAT HEAD SCREWS AT 6" O.C. TO PERIMETER FRAME. AEROSMITH AKN 144.0125 DRIVE PINS @ 6" O.C. @ SUPPORTED EDGES AND 6" O.C. FIELD TO PURLINS. PLYWOOD PATTERN SHOWN IS TYPICAL THRU OUT. (ALTERNATE: USE AEROSMITH AKN144.0175 DRIVE PINS @ 6" O.C. PERIMETER.)
4. TAPERED ROOF BEAM 10GA. SEE 7/S3.1 C
5. RIDGE-LINE
6. 11/16" ø DRILL SEE DETAIL 1/S4.0
7. C 13 1/2"X14GA. FACIA @ 2'-0" OVERHANG
8. C 12 3/4"X14GA FACIA @ 5'-0" OVERHANG
9. E.N. THIS LINE

ROOF FRAMING PLAN

BLDG TYPE 3

SCALE 1/4=1'-0"

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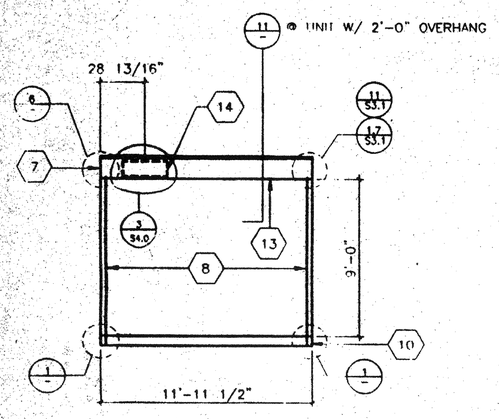
~~DIV. OF THE STATE ARCHITECT~~
~~APP03 11 76~~
~~AC FLS SS TN~~
~~DATE AUG 05 2014~~

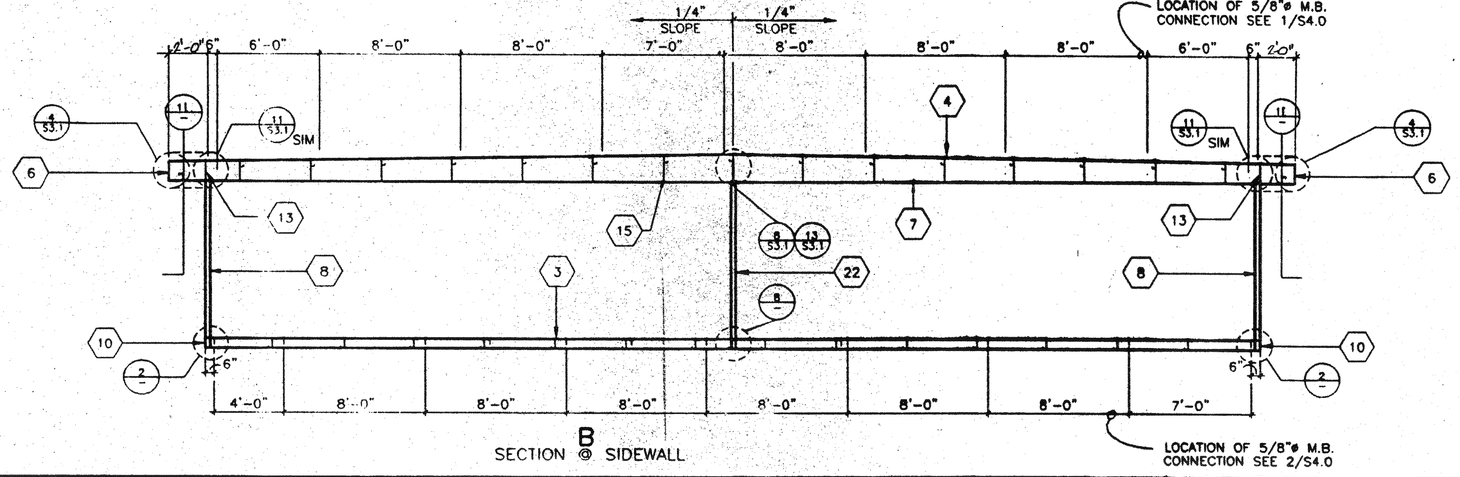
ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY
LICENSED ARCHITECT TROY JAY ROSS NO. C-23577 STATE OF CALIFORNIA						PC 304:

JOB # 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

ROOF FRAMING PLAN S2.



A
SECTION @ ENDWALL



B
SECTION @ SIDEWALL

KEY NOTES

1. EN @ PLYWOOD EDGES
2. PLYWOOD ROOF SHEATHING
3. 6 3/8"X2 1/2"X12GA. FLR. JOIST 6/S3.1
4. 6X2 1/2"X14GA. ROOF PURLIN 2/S3.1
5. [13 1/2"X4"X14GA. FACIA 4/S3.1 AT 2'-0" OVERHANG
6. [12 3/4"X4"X14GA. FACIA 4/S3.1 AT 2'-0" OVERHANG
7. [10 GA. TAPERED ROOF BEAM (SEE 7/S3.1) OR 1/S3.1 REFER TO RF. FRAMING PLAN
8. 4"X4"X1/4" COLUMN. ENDS
9. BACK-UP PLATE MIN. 10 GA.
10. [7X9.8 FLOOR CHANNEL
11. 3 1/2"X3 1/2"X1/4" STEEL PLATE WELDED FLUSH TO TOP AND BOTTOM OF CHANNEL FLANGES
12. SECTION OF 4"X4"X1/4" TUBE STEEL COPE TO FIT ROOF BEAM
13. FASCIA HEADER SEE 4/S3.1
14. LOCATION OF HVAC
15. 10 GA. FULL DEPTH STIFFNER PLATE AT 4'-0" O.C. ALIGN W/ & WELDED TO PURLIN
16. 1/2"X 1 1/2"X16 GA.< TACK WELD IN PLANT
17. SCREENED VENT OPENING (4"X14")
18. [7X9.8 FLOOR HEADER
19. #10 S.M.S. @ 6" O.C. TYP. @ EN & 12" OC FN (ALT. AEROSMITH AKN 144 175 DRIVE PIN)
20. 4"X4"X 1/4" TUBE STEEL CUT TO FIT FLOOR BEAM
21. SOFFIT PLYWOOD
22. 3 1/2"X3 1/2"X1/4" COLU SIDEWALL AND MODULE LINE
23. 1/4" GUSSETT PLATE CEN ON COLUMN
24. 3 1/2"X6"X1/4" STE PLATE WELDED FLUSH TO TOP OF C INEL FLANGE

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APP03 118996
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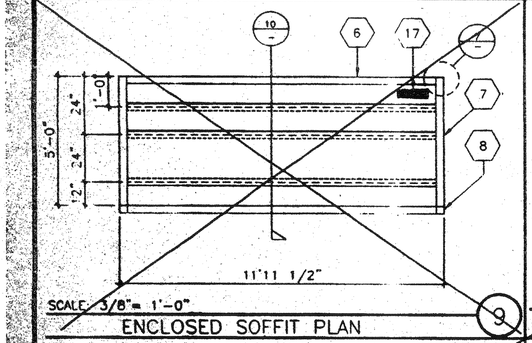
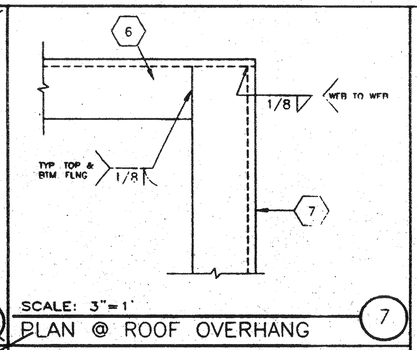
DATE MAY 31 2007

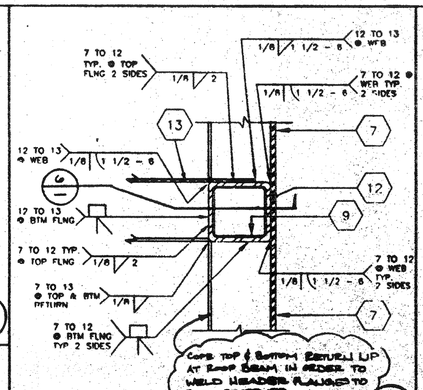
OPTION 'B'



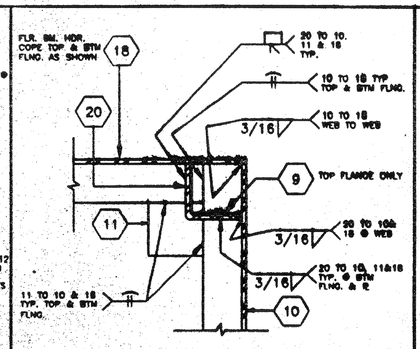
SCALE: 3/8"= 1'-0"
ENCLOSED SOFFIT PLAN (9)



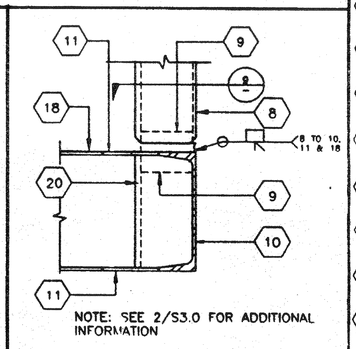
SCALE: 3"=1'
PLAN @ ROOF OVERHANG (7)



SCALE: 3"=1'
STIFFENER SECTION @ ROOF (5)

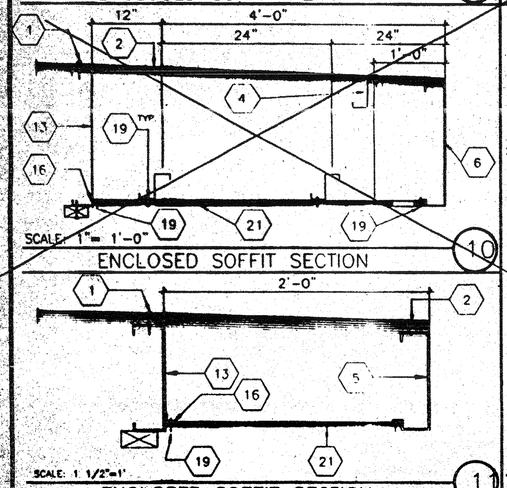


NOTE: SEE DETAIL 12/S3.1 FOR ANCHOR @ CONCRETE FOUNDATION
SCALE: 3"=1'
STIFFENER SECTION @ FLOOR (3)

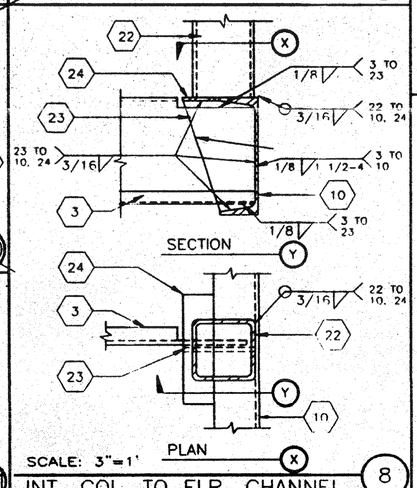


NOTE: SEE 2/S3.0 FOR ADDITIONAL INFORMATION
SCALE: 3"=1'
COLUMN CONN. @ FLOOR (2)

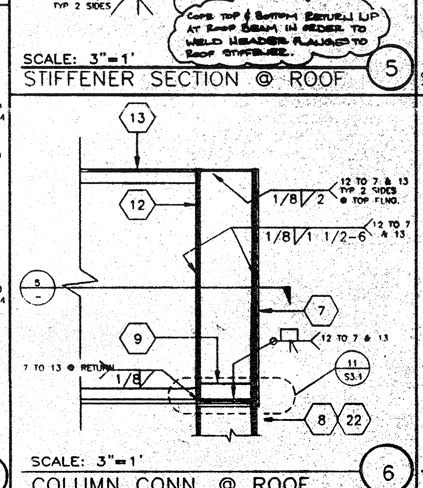
SCALE: 1"= 1'-0"
ENCLOSED SOFFIT SECTION (10)



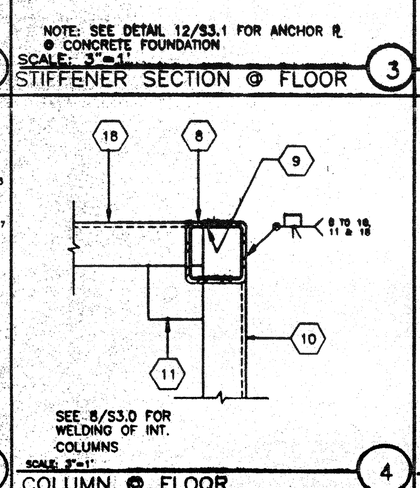
SCALE: 1 1/2"=1'
ENCLOSED SOFFIT SECTION (11)



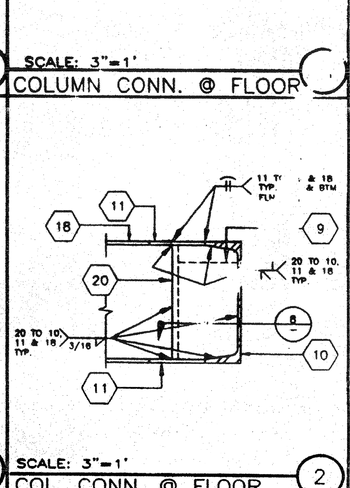
SCALE: 3"=1'
INT. COL. TO FLR. CHANNEL (8)



SCALE: 3"=1'
COLUMN CONN. @ ROOF (6)



SEE 8/S3.0 FOR WELDING OF INT. COLUMNS
SCALE: 3"=1'
COLUMN @ FLOOR (4)



SCALE: 3"=1'
COL. CONN. @ FLOOR (2)

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
△			REGISTERED PROFESSIONAL ENGINEER ALBERT T. SIMPSON No. 19356 Structural STATE OF CALIFORNIA LICENSE EXPIRES 6-30-2007	No. C-29... REGISTERED ARCHITECT STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC304 AC. FLS SS DATE FEB 2 1 2007

MODTECH INC.
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FX: (909) 940-0427

JOB NO 2703-G
GLENDALE U.S.D.
FRANKLIN E, S.

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DATE 1-13-97
CHECKED BY
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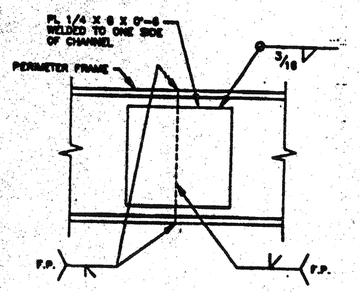
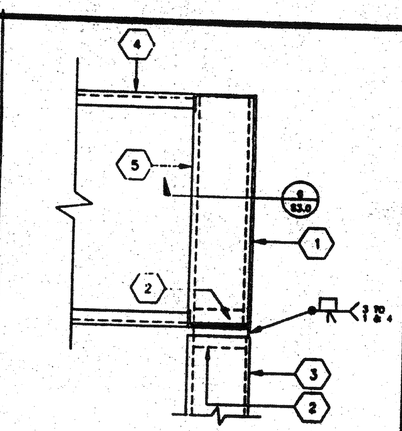
FRAMING ELEVATIONS AND DETAILS

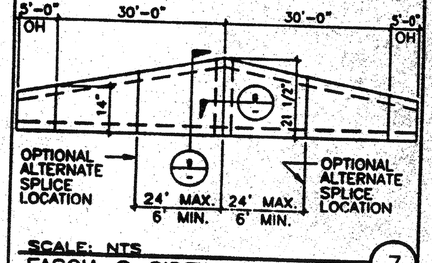
S3.0B



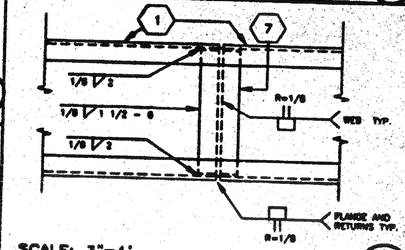
SCALE: NTS
PERIMETER FLOOR FRAME SPLICE (14)



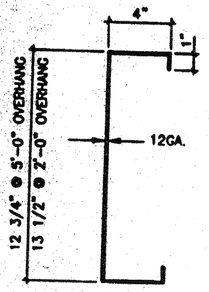
SCALE: 3"=1' SEE S2.0
COLUMN CONN. @ ROOF (11)



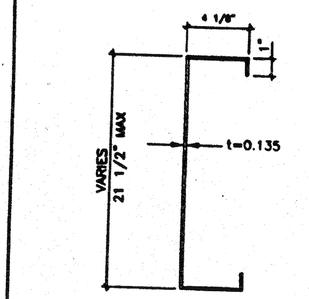
SCALE: NTS
FASCIA @ SIDEWALL (7)



SCALE: 3"=1'
BEAM SPLICE (8)



SCALE: 3"=1'
FASCIA @ HEADER (4)

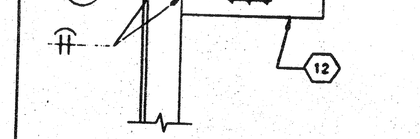


CHANNEL	Sx	Ix
14X4 1/8X10GA.	12.289 IN3	86.022 IN4
17 3/4X4X10GA.	17.16 IN3	152.298 IN4
21 1/2X4X10GA.	22.665 IN3	243.651 IN4

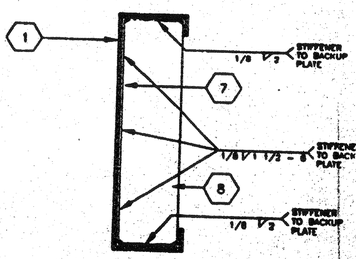
SCALE: 3"=1'
FACIA (1)

KEY NOTES

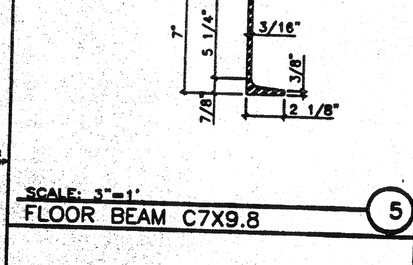
1. 10GA. TAPERED RF. BM. SEE 1/S3.1 & 7/S3.1
2. BACK-UP PLATE MIN. 10GA.
3. 4"X4"X1/4" COLUMN
4. C 14"X12GA. RF. HDR. SEE 3/S3.1
5. 4"X4"X1/4" TUBE COPE TO FIT RF. BM
6. FLOOR JOIST SEE 6/S3.1
7. 10GA. BENT PLATE BACK-UP
8. 10 GA. STIFFENER @ 4'-0" O.C.
9. #10 STSMS @ 6" O.C. (SEE S1.0 (4))
10. PLYWOOD FLR. SHEATHING
11. FLOOR BEAM SEE 5/S3.1
12. 5"X8"X1/4"?
3. 3 1/2"X3 1/2"X1/4" COLUMN



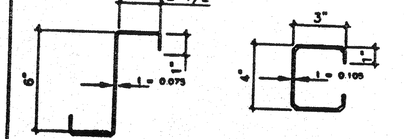
SCALE: 3"=1'
ANCHOR PLATE @ CONC. FOUND. (12)



SCALE: 3"=1'
BEAM SPLICE W/STIFFENER (9)



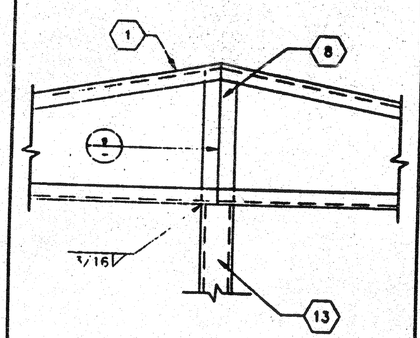
SCALE: 3"=1'
FLOOR BEAM C7X9.8 (5)



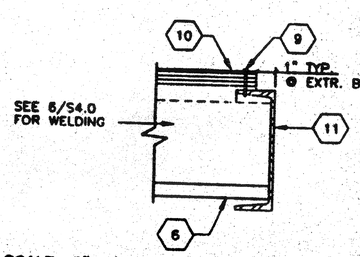
Sx:1.758 IN3
Ix: 5.274 IN4

Sx: 1.544 IN3
Ix: 3.088 IN4

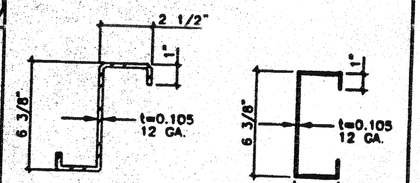
SCALE: 3"=1'
ROOF PURLIN (2)



SCALE: NTS
MID TS COL. TO ROOF BEAM (13)



SCALE: 3"=1'
FLOOR @ FLOOR BEAM (10)

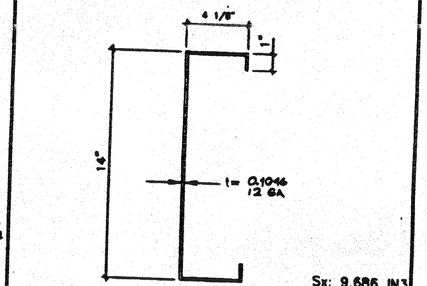


Sx:2.613 IN.3
Ix: 8.328 IN4
A:1 IN4

Sx:2.525 IN3
Ix: 8.049 IN4

ALTERNATE " [" 12GA SAME PHYSICAL PROPERTIES & DIMENSIONS

SCALE: 3"=1'
FLOOR JOIST (6)



Sx: 9.686 IN3
Ix: 67.801 IN4

SCALE: 3"=1'
ROOF HEADER (3)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 118996
AC FLS SS TN
DATE JUN 12 2019

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 110287
AC FLS SS TN
DATE MAY 11 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 118996
AC FLS SS TN
DATE AUG 05 2019

8/1/18

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
					IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC304 AC FLS SS DATE JAN 21 2020

MODTECH INC.

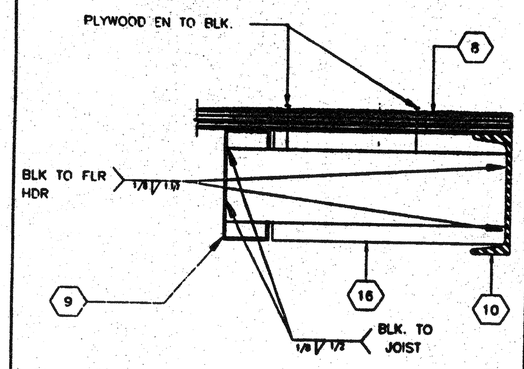
MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
FX. (909) 940-0427

JOB NO: 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

DRAWN BY RS
DATE 9-12-08
CHECKED BY
DATE

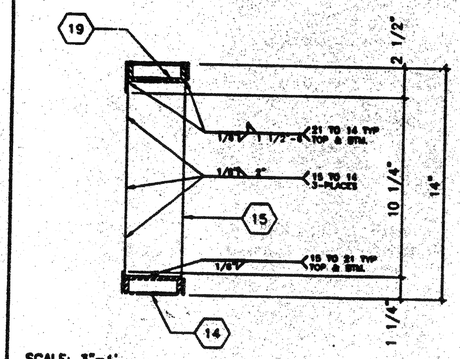
STRUCTURAL DETAILS

S3.1



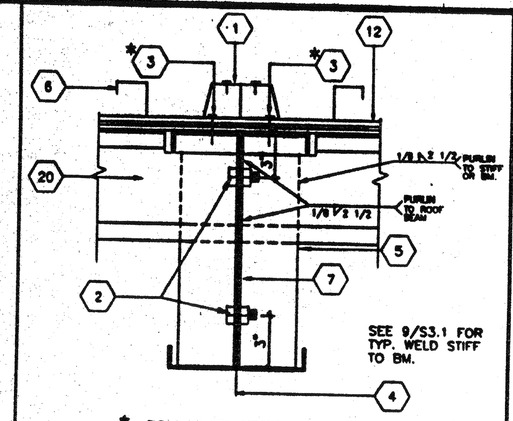
SCALE: 3"=1'

BLOCK @ MIDSPAN 7



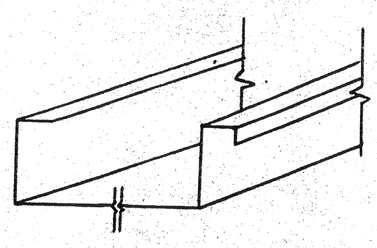
SCALE: 3"=1'

MECH. DUCT OPENING IN HEADER 4



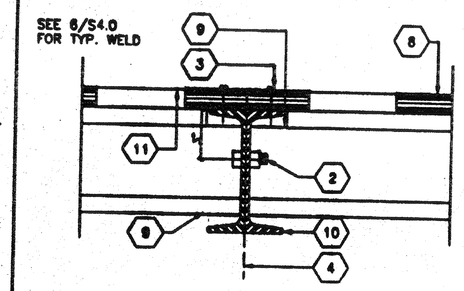
SCALE: 3"=1' * DO NOT PENETRATE MT'L RF. DECK

ROOFING @ MODLINE 1



SCALE: NTS

ROOF PAN (26GA.) 5



SCALE: 3"=1'

MODULE JOINT @ FLR. 2

KEY NOTES

1. CAP CLOSURE @ RIDGE 26GA. GALV. W/#10 TYPE FASTENERS W/NEOPRENE WASHERS TO RIB BOTH SIDES OF MODLINE. SET CAP IN SEALANT SEE DETAIL–
2. 5/8" M.B. A307 MODULE JOINT (SEE STRUCTURAL PLAN FOR LOCATION) @ 8' O.C.
3. E.N.
4. MODULE JOINT
5. 1/4" @ 8' O.C. FULL DEPTH STIFFENER PLATE (SEE 9/S3.1)
6. STANDING ROOF SEAM (SEE ROOF PLAN)
7. ROOF BEAM (SEE STRUCTURAL) SEE 1/S3.1
8. PLYWOOD FLOOR SHEATHING
9. FLOOR JOIST 6/S3.1
10. FLOOR BEAM (SEE STRUCTURAL 5/S3.1)
11. HAND HOLE @ BOLT LOCATION (5" SQ.)
12. PLYWOOD ROOF SHEATHING
13. 4"X4"X1/4" STEEL TUBE COLUMN
14. ROOF HEADER (SEE STRUCTURAL 3/S3.1)
15. 1/4" STIFFENER PLATE SEE 9/S3.1 FOR TYP WELD
16. "C" BLOCKING SEE 6/S3.1
17. 10GA. BACK-UP PL
18. 2"X2"X3/16" ∠
19. 3 3/4"X1"X12GA. REINFORCING CHANNEL TOP & BOTTOM OF FLANGES
20. ROOF PURLIN SEE 2/S3.1
21. TUBE STEEL (SEE NOTE #13)
22. ROOF BEAM AT OVERHANG
23. 1/4" PLATE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 118996 AC FLS SS TN DATE JUN 12 2019

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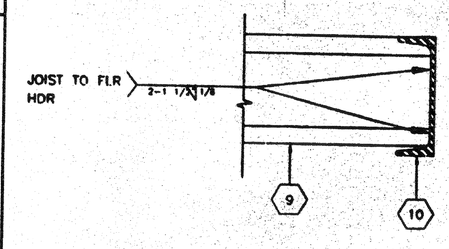
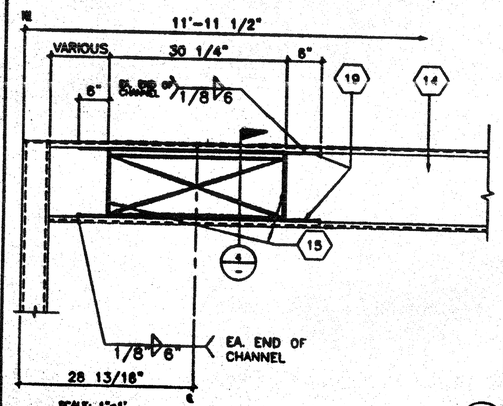
8



SCALE: 3"=1'

FLOOR FRAME/JOIST TO BEAM 6

9



SCALE: 1"=1'

ELEVATION–OPENING 3

ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY
LICENSED ARCHITECT TROY JAY ADDY NO. C23975 REG. 2-28-97 STATE OF CALIFORNIA						IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 304 AC FLS SS DATE JAN 9 1997

MODTECH INC.

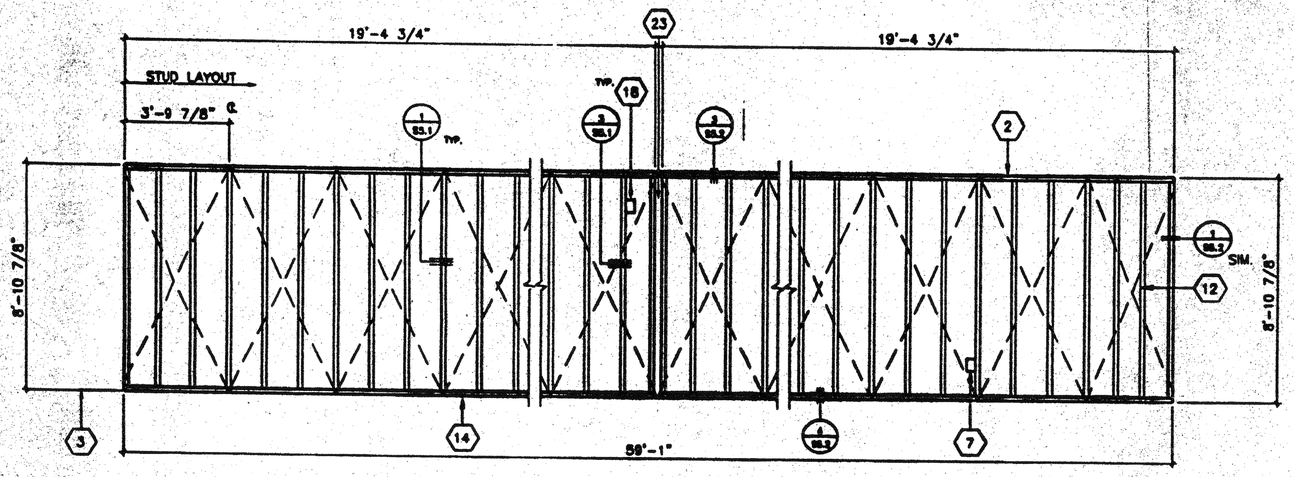
JOB # 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

DRAWN BY KARA
DATE 9-12-96
CHECKED BY
DATE

STRUCTUAL DETAILS S4.0

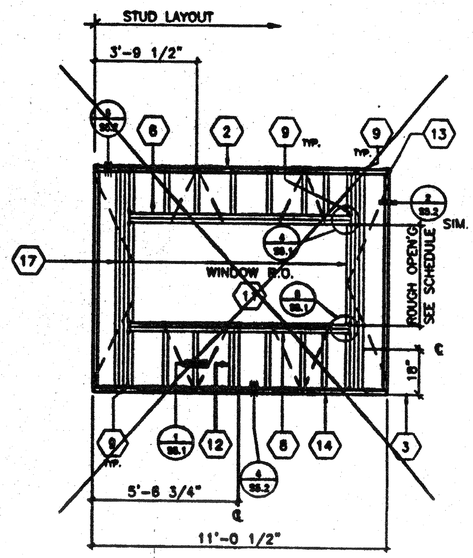
JOB NO. PC-304

3-4-98



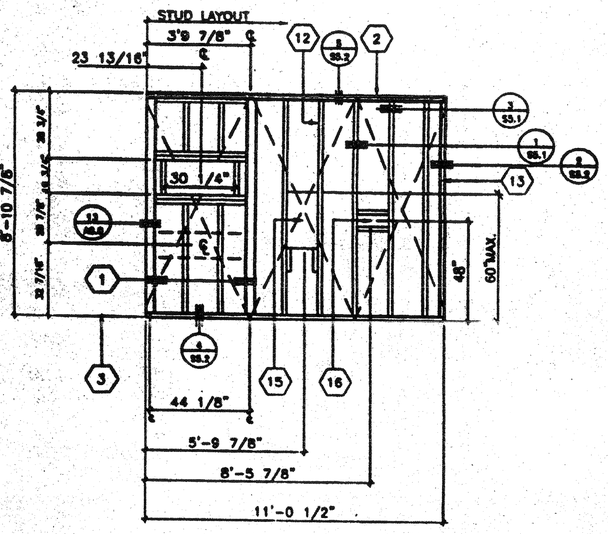
A

A$_1$ OPPOSITE HAND



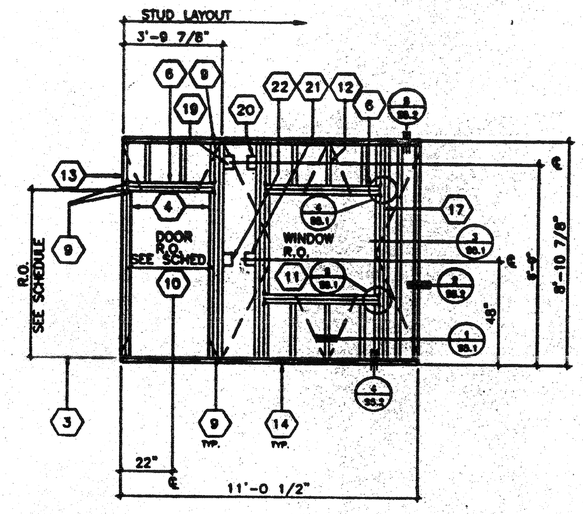
B

B$_1$ OPPOSITE HAND



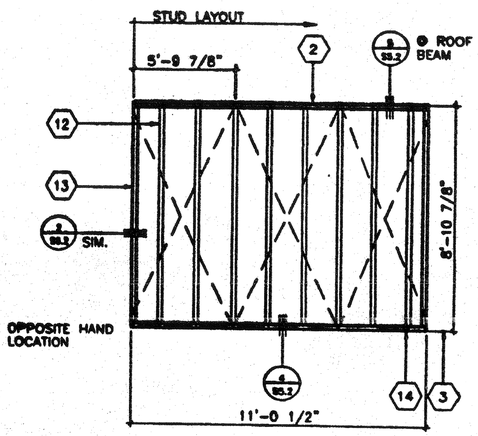
C

C$_1$ OPPOSITE HAND



D

D$_1$ OPPOSITE HAND



E

SCALE 3/8"=1'

KEY NOTES

1. 4 X 4 POST
2. 2X4 TOP PLATE
3. FINISH FLOOR
4. 2X4 FULL HGT. KING STUDS AND 2X4 TRIMMER (SEE SCHEDULE FOR QUANTITY SHT S5.1)
5. NOT USED
6. HEADER (SEE SCHEDULE)
7. DUPLEX OUTLET BOX
8. WINDOW SILL PLATE (SEE SCHEDULE)
9. A 34 CLIPS @ HEADER & SILL TO FULL HGT. STUDS AND FULL HGT. STUDS TO TOP AND BOTTOM PLATES
10. REQUIRED OPENING FOR A 3068 DOOR (SEE DETAIL 7/S5.1)
11. REQUIRED OPENING FOR WINDOW (SEE DETAIL 6,12/S5.1)
12. 2X4 STUD @ 16" O.C. TYPICAL
13. 2X4 NAILER TYPICAL @ EACH END
14. 2X4 SILL PLATE
15. FRAME FOR ELECTRICAL PANEL
16. THERMOSTAT LOCATION 4S BOX
17. FULL HGT. STUDS AND 1-2X4 TRIMMER (SEE WINDOW SCHEDULE FOR JAMB STUDS REQUIRED SHT. S5.1)
18. CLOCK OUTLET +90" AFF
19. "J" BOX FOR EXTERIOR LIGHT FIXTURE (TO EXTERIOR)
20. FIRE HORN (TO EXTERIOR)
21. FIRE PULL STATION (TO INTERIOR)
22. LIGHT SWITCH BOX
23. 3 1/2 X 3 1/2 X 1/4 TS COLUMN

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APP. 101287
AC — FLS — SS
DATE MAY 1 1 ...

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP03 118996
AC — FLS — SS TN
DATE JUN 1 2 2019

~~IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 11 76 AC FLS TN DATE AUG 05 2019~~

8 of 128

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
				LICENSED ARCHITECT TROY DAY JOHN NO. C-23... STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 304 AC — FLS — SS DATE JAN 2 7 1997

MODTECH INC.

MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
FX. (909) 940-0427

JOB NO: 2703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

DRAWN BY
DATE
CHECKED BY
DATE 9-12-96

WALL FRAMING

S5.0

OPENING SCHEDULE

OPENING	HDR.	SILL	JAMB	ROUGH OPENING HEIGHT	ROUGH OPENING WIDTH
3068	(2) 2X4		(2) 2X4	81 1/4"	38"
8040	4X6	(2) 2X4	(3) 2X4	48 1/8"	96 1/8"
4040	4X4	(2) 2X4	(2) 2X4	48 1/8"	48 1/8"

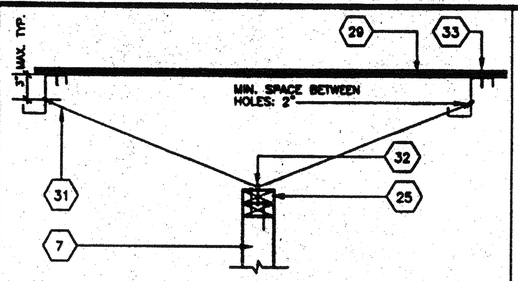
ALTERNATE: METAL STUD 24 HDS350 IN LIEU OF 2X4 WD. STUDS

12

NAILING SCHEDULE

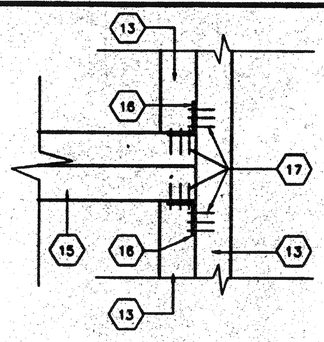
CONNECTION	NAILING
1. JOIST TO SILL OR GIRDER, TOENAIL	3-8d
2. Bridging to joist, toenail each end	2-8d
3. 1" x 6" subfloor or less to each joist, face nail	2-8d
4. Wider than 1" x 6" subfloor to each joist, face nail	3-8d
5. 2" subfloor to joist or girder, blind and face nail	2-16d
6. Sole plate to joist or blocking, face nail	16d at 16"o.c.
7. Top plate to stud, end nail	2-16d
8. Stud to sole plate	4-8, or 3 toenail
9. Double Studs, face nail	2-16d, endnail 16d at 24"o.c.
10. doubled top plates, face nail	16d at 16"o.c.
11. Top plates, laps and intersections, face nail	2-16d
12. Continuous header, two pieces	16d at 16"o.c. along each edge
13. Ceiling joists to plate, toenail	3-8d
14. Continuous header to stud, toenail	4-8d
15. Ceiling joists, laps over partitions, face nail	3-16d
16. Ceiling joists to parallel rafters, face nail	3-16d
17. Rafter to plate, toenail	3-8d
18. 1" x 6" sheathing or less to each bearing, face nail	2-8d
19. Wider than 1" x 6" sheathing to each bearing, face nail	3-8d
20. Built-up corner studs	staggered 2-20d at 16d at 24 o.c.
21. Built-up girder and beams	20d at 32" o.c. at top and bottom and at each splice.
22. Built-up girder and beams	20d at 32" o.c. at top and bottom and at each splice.
23. 2" planks	2-16d at each bearing
24. Plywood and particleboard: Subfloor, roof and wall sheathing (to framing): 1/2" and less	8d 8d or 10d
25. 7/8" - 1"	8d 8d or 10d
26. 1 1/8"-1 1/4"	8d 10d or
Combination Subfloor-underlayment (to framing): 7/8" - 1"	8d 10d or
27. 1 1/8"-1 1/4"	8d
28. Panel Siding (to framing): 1/2" or less	8d 8d

NOTE: All nail shall be box nails unless otherwise noted.



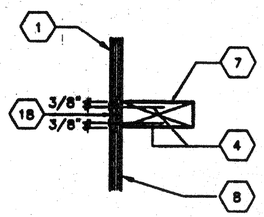
SCALE: 1-1/2"=1'

PARALLEL PARTITION CONN. 8



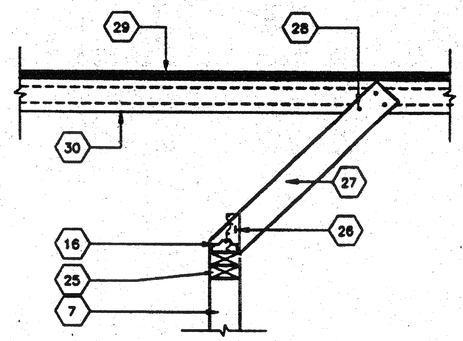
SCALE: 3"=1'

WINDOW SILL @ JAMB 5



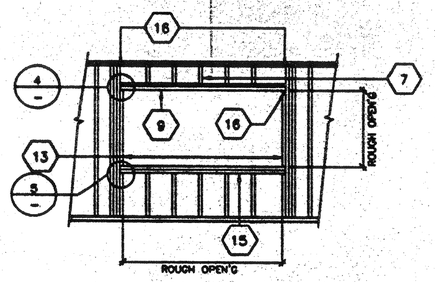
SCALE: 3"=1'

@ VERT. PLYWOOD EDGES 1



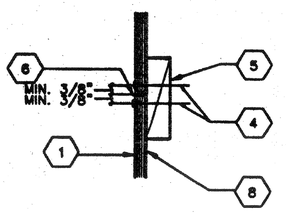
SCALE: 3"=1'

PERPENDICULAR PARTITION CONNECTION 9



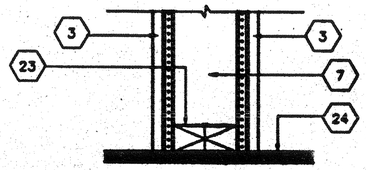
SCALE: 3"=1'

TYPICAL WINDOW FRAMING 6



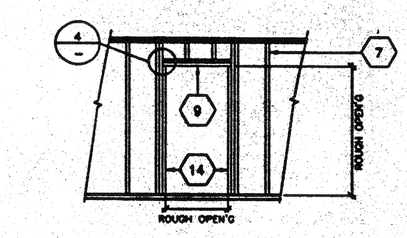
SCALE: 3"=1'

DETAIL @ HORIZ. PLYWOOD JOINTS 2



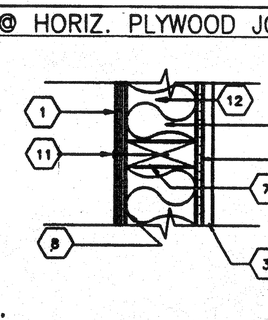
SCALE: 3"=1'

INT. PARTITION CONN. @ FLOOR 10



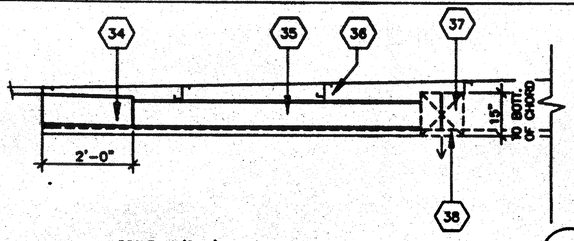
SCALE: 3"=1'

TYPICAL DOOR FRAMING 7



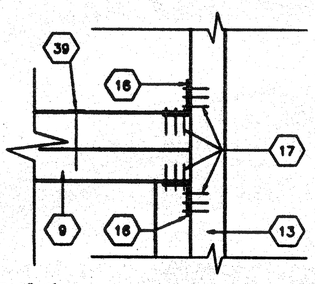
SCALE: 3"=1'

SECTION @ STUD 3



SCALE: 1/2=1'

SECTION; HVAC IN ATTIC 11



SCALE: 3"=1'

HEADER DETAIL 4

KEY NOTES

1. EXTERIOR PLYWOOD SIDING - SHEATHING NAIL W/GALV. BOX NAILS -8d @ 6" O.C. EDGES, 8d @ 12" O.C. IN FIELD
2. GYP. BOARD
3. TYP. INTERIOR FINISH-SEE FINISH SCHEDULE
4. E.N.
5. 2X4 BLK'G
6. "Z" FLASHING
7. 2X4 @ 16" O.C.
8. WATERPROOF MEMBRANE
9. HEADER SEE SCHED. S5.1
10. INSULATION SEE SPECIFICATIONS
11. 8d ELECTRO GALV. 12" O.C.FN.
12. 2X4 SILL PLATE (BELOW)
13. FULL HEIGHT STUDS AND 1-2X4 TRIMMER (SEE WINDOW SCHEDULE FOR JAMB STUDS REQ'D)
14. 2X4 FULL HEIGHT KING STUDS AND 2X4 TRIMMER (SEE SCHEDULE FOR QUANITY)
15. SILL PLATE (SEE SCHEDULE)
16. A 34 CLIPS @ HEADER AND SILL TO FULL HEIGHT STUDS AND FULL HEIGHT STUDS TO TOP AND BOTTOM PLATES
17. 9GA. 8d 1 1/2" NAILS
18. LAP JOINT
19. NOT USED
20. NOT USED
21. NOT USED
22. ATTACH GYP. BD. TO STUDS W/6d COOLERS @ 6" O.C.
23. 2X4 BOTTOM PLATE W/16d @ 16" O.C.
24. PLYWOOD FLOOR
25. 2X4 DBL TOP PLATE
26. SIMPSON A35 W/8d X 2 1/2"
27. 2X4 BRACE @ 8'-0" O.C. MAX. @ MAX 45°
28. #12 X 2 TYPE A HEX HEAD SCREWS W/WASHERS (TYP. OF 3)
29. PLYWOOD SHEATHING
30. ROOF PURLIN
31. ATTACH 12GA. BRACE WIRES TO EYE LAG SCREWS AND TO ROOF PURLINS @8'-0" O.C. ENDS TO HAVE 4 TIGHT WRAPS IN 1-1/2"
32. 1/4@ 2-1/2" EYE LAG SCREW @8'-0" O.C. (2 " EMBEDMENT)
33. ATTACH PER ROOF FRAMING PLAN (TYP.)
34. PLEMNUM
35. DUCTWORK (RIGID)
36. ROOF PURLIN
37. TRANSFER BOX
38. ROOF CHANNEL
39. 16D @ 16" O.C.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 11876 AC FLS SS TN DATE AUG 05 2014

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 101287 AC FLS SS DATE MAY 11 2015

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 118996 AC FLS SS TN DATE JUN 12 2019

96

ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY
LICENSED ARCHITECT ROY JAY ADAM No. C-22975 REN. 2-29-98 STATE OF CALIFORNIA						IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGIONAL ADMINISTRATORS PC304 AC FLS SS DATE NOV 0 1 1996

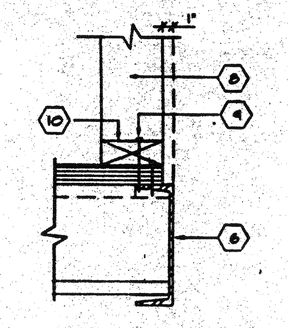
MODTECH INC,

JOB # 2703-G

GLENDALE USD
FRANKLIN ELEM. SCHOOL

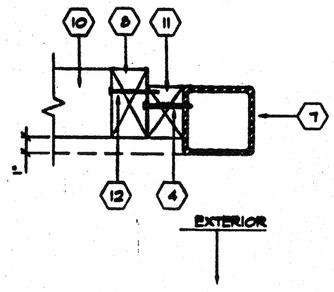
DRAWN BY RS
DATE 9-12-96
CHECKED BY
DATE

FRAMING DETAILS S5.1



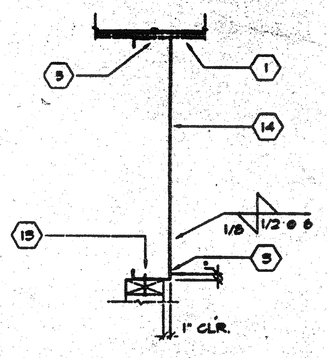
SCALE: 3"=1'

WALL SILL @ FLOOR (4)



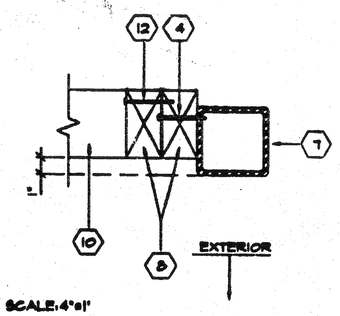
SCALE:3"=1'

COLUMN @ END WALL. (1)



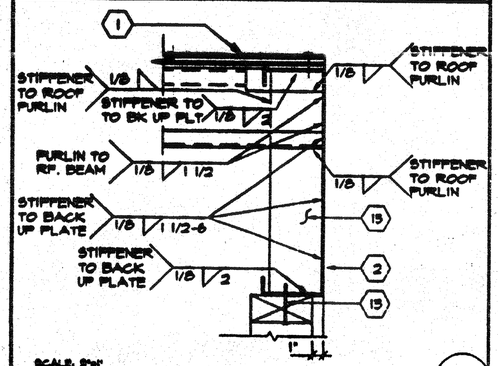
SCALE: 3"=1'

END WALL @ ROOF (5)



SCALE:4"=1'

COLUMN @ SIDE WALL (2)



SCALE: 3"=1'

ROOF PURLIN @ ROOF BEAM (3)

KEY NOTES

1. PLYWOOD ROOF SHEATHING
2. [10GA.X ROOF BEAM
3. 1 1/2 X 1 1/2 X 16GA. ∠
4. #10 S.T.S.M.S @24" O.C. (ALT. HELD DN. SHOT PIN.)
5. E.N. PLYWOOD TO ROOF BEAM. (SEE STRUCTURAL)
6. FLOOR BEAM (SEE STRUCTURAL)
7. TUBE STEEL COLUMN.
8. 2X4 STUD @ 16" O.C. TYP.
9. 16d BOX NAILS @ 8" O.C.
10. 2X4 SOLE PLATE.
11. 2X TRIMMER @ CORNER.
12. 16d @ 24"O.C.
15. 0.145" Ø SHOT PINS @ 16" O.C. OR #10 S.T.S.M.S @ 16"O.C. OR AEROSMITH AKN 144.0175 DRIVE PIN.
14. [12GA.X HEADER
15. 10 GA. STIFFENER PLATE @ 4'-0" O.C.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 118996 AC FLS SS TN DATE JUN 12 2019

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 118996 AC FLS SS TN DATE AUG 05 2014

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL 101287 AC FLS SS DATE MAY 11 1999

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
1			LICENSED PROFESSIONAL ENGINEER — No. 22222 — CIVIL — STATE OF CALIFORNIA — LICENSE EXPIRES 9-30-2000	LICENSED ARCHITECT — TROY JAY ROY — NO. C-23577 — STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 304 AC FLS SS DATE SEP 21 1999
2					
3					
4					
5					
6					

MODTECH INC.

MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
FX. (909) 940-0427

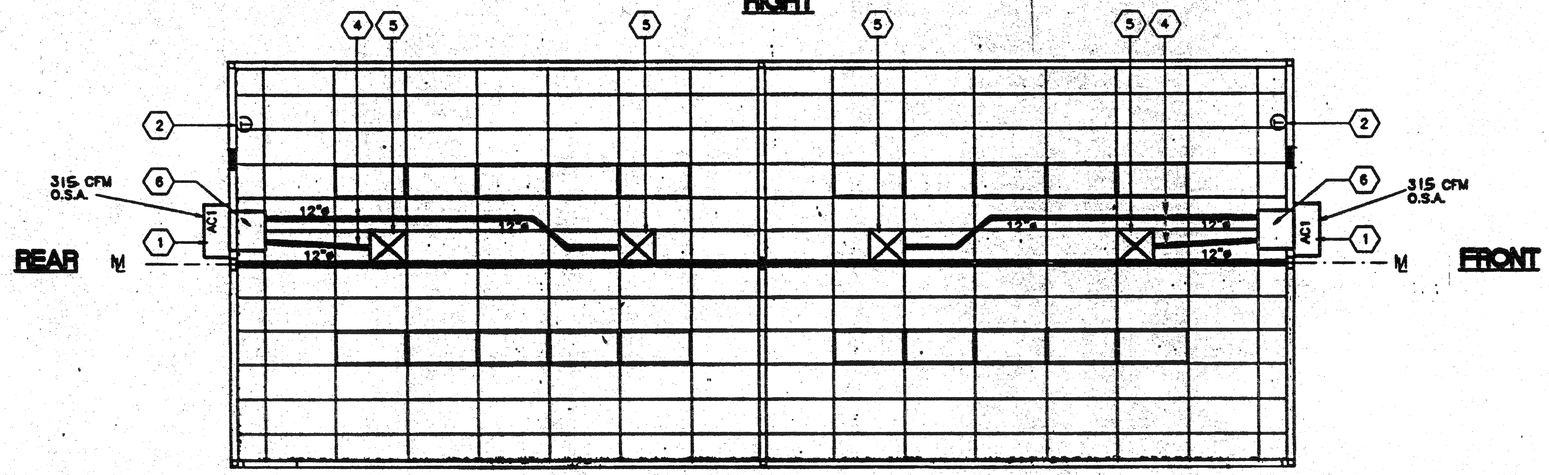
JOB NO 1703-G
GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

DRAWN BY RS
DATE 9-12-96
CHECKED BY
DATE

WALL FRAMING DETAILS

S5.2

RIGHT

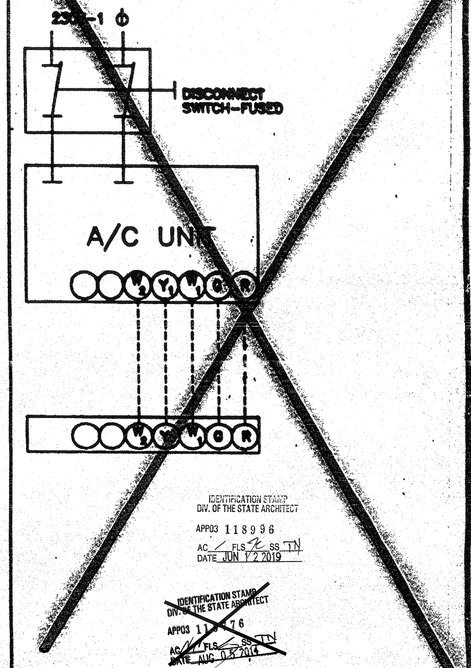


LEFT

KEY NOTES

1. AC
   1 BARD MODEL #WH361-A00 WALL MOUNTED HEAT PUMP
   35,600 BTU COOLING, SEER = 10.00
   1100 CFM @ .3" S.P. , WT. = 380 LBS.
   208/230V – 1ø – 60 CY, MAX FLA = 20 AMPS
   MAXIMUM FUSE = 40 AMP
2. Ⓣ THERMOSTAT–WHITE ROGERS 1F92 +48" A.F.F.
3. NOT USED
4. 12" ø FLEX DUCT (SEE SPECS)
5. ⊠ 15X15 4W SUPPLY AIR GRILLE
6. 10"x30"x2" PLENUM (SEE SPECS)

CONTROL SCHEMATIC



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 118996
AC FLS SS TN
DATE JUN 12 2019

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 101257
FLS RS SS TN/A
DATE NOV 1 1 ISSUE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 11 76
AC FLS SS TN
DATE AUG 08 2019

SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE MECHANICAL ENGINEER'S INFORMATION ONLY:

THE SEISMIC ANCHORAGE OF MECHANICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, SECTION 2312 (g) AND TABLE 23–F, ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS. AND HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS. MAY BE OMITTED FROM THE PLANS.

FOR MECHANICAL DRAWINGS:

ALL MECHANICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

EQUIPMENT ON GRADE	20% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	30% OF OPERATING WEIGHT

FOR FLEXIBLE MOUNTED EQUIPMENT USE 4 X THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 X THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE, Z = 0.4.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGR. AND THE FIELD ENGINEER OF THE DEPARTMENT OF THE STATE ARCHITECT.

MECH. (HVAC) PLAN

BLDG TYPE 1&3

SCALE 1/4"=1'-0"

ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY
LICENSED ARCHITECT 19061 BW ADAMS CERTIFICATE NO. REN. 2-31-2000 STATE OF CALIFORNIA		LICENSE EXPIRES 6-30-2000				IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP. NO. 101257 AC FLS RS SS TN/A DATE NOV 1 1 ISSUE

MODTECH INC.

JOB # 2705

GLENDALE U.S.D.
FRANKLIN ELEM. School

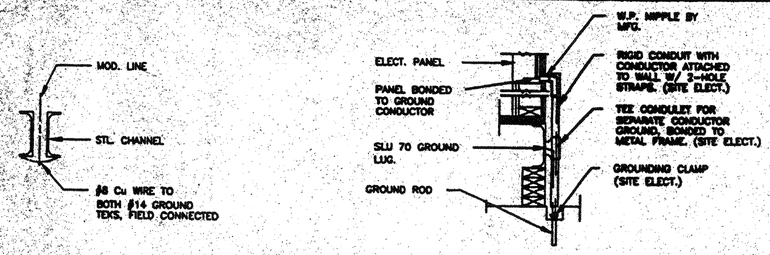
DRAWN BY
DATE
CHECKED BY
DATE

MECHANICAL (HVAC)

M1.2

GLENDALE UNIFIED

JOB NO. 02-104



JUMPER @ MOD. LINE TYP. GROUNDING DETAIL

1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD.X8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS INCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP. (BY SITE ELECTRICAL)
2. TESTING: TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 8'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL)
3. PROVIDE EQUIPMENT ANCHORAGE PER TITLE 24, SECTION 2312(g), TABLE 23-P.
4. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATIABLE COMPONENTS.
5. GROUND M/G TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR
6. GROUNDING SHALL BE IN ACCORDANCE WITH C.E.C. ART. 250.

VOLTS: 120/240 V			PANEL: "A"							FEED: BOTTOM			
MAIN: 100 A			LOCATION: FRONT WALL							MOUNTING: RECESSED			
LOAD	WATTS A	WATTS B	BREAKER Amps	P	Dct	A	B	Dct	BREAKER Amps	P	WATTS A	WATTS B	LOAD
INT/EXT LIGHT	760		20	1	1			2	40	2	2400		HVAC 3T
INT. LIGHTS		700	20	1	3			4	–	–		2400	HVAC 3T
RECEPTS	540		20	1	5			6					
RECEPTS		720	20	1	7			8					
RECEPTS	720		20	1	9			10					
FA DEDICATED		40			11			12					
					13			14					
					15			16					
					17			18					
WATTS/PHASE A = 4420	2020	1460									2400	2400	B = 3860 WATTS/PHASE
TOTAL 8645 WATTS	37 AMPS		120/240 VOLTS								1 Ø	3 WIRE	

NCL = 6820 LCL = 1460 X 1.25 = 1825

VOLTS: 120/240 V			PANEL: "B"							FEED: BOTTOM			
MAIN: 100 A			LOCATION: FRONT WALL							MOUNTING: RECESSED			
LOAD	WATTS A	WATTS B	BREAKER Amps	P	Dct	A	B	Dct	BREAKER Amps	P	WATTS A	WATTS B	LOAD
INT/EXT LIGHT	760		20	1	1			2	40	2	2400		HVAC 3T
INT. LIGHTS		700	20	1	3			4	–	–		2400	HVAC 3T
RECEPTS	540		20	1	5			6					
RECEPTS		720	20	1	7			8					
RECEPTS	720		20	1	9			10					
FA DEDICATED		40			11			12					
					13			14					
					15			16					
					17			18					
WATTS/PHASE A = 4420	2020	1460									2400	2400	B = 3860 WATTS/PHASE
TOTAL 8645 WATTS	37 AMPS		120/240 VOLTS								1 Ø	3 WIRE	

NCL = 6820 LCL = 1460 X 1.25 = 1825

SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE ELECTRICAL ENGINEER'S INFORMATION ONLY:

THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL COMFORM TO C.C.R. TITLE 24, SECTION 2312 (g) AND TABLE 23-P. ANCHORAGE DETAILS FOR ROOF / FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 Lbs AND HUNG EQUIPMENT WEIGHING LESS THAN 20 Lbs MAY BE OMITTED FROM THE PLANS

FOR ELECTRICAL DRAWINGS

ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

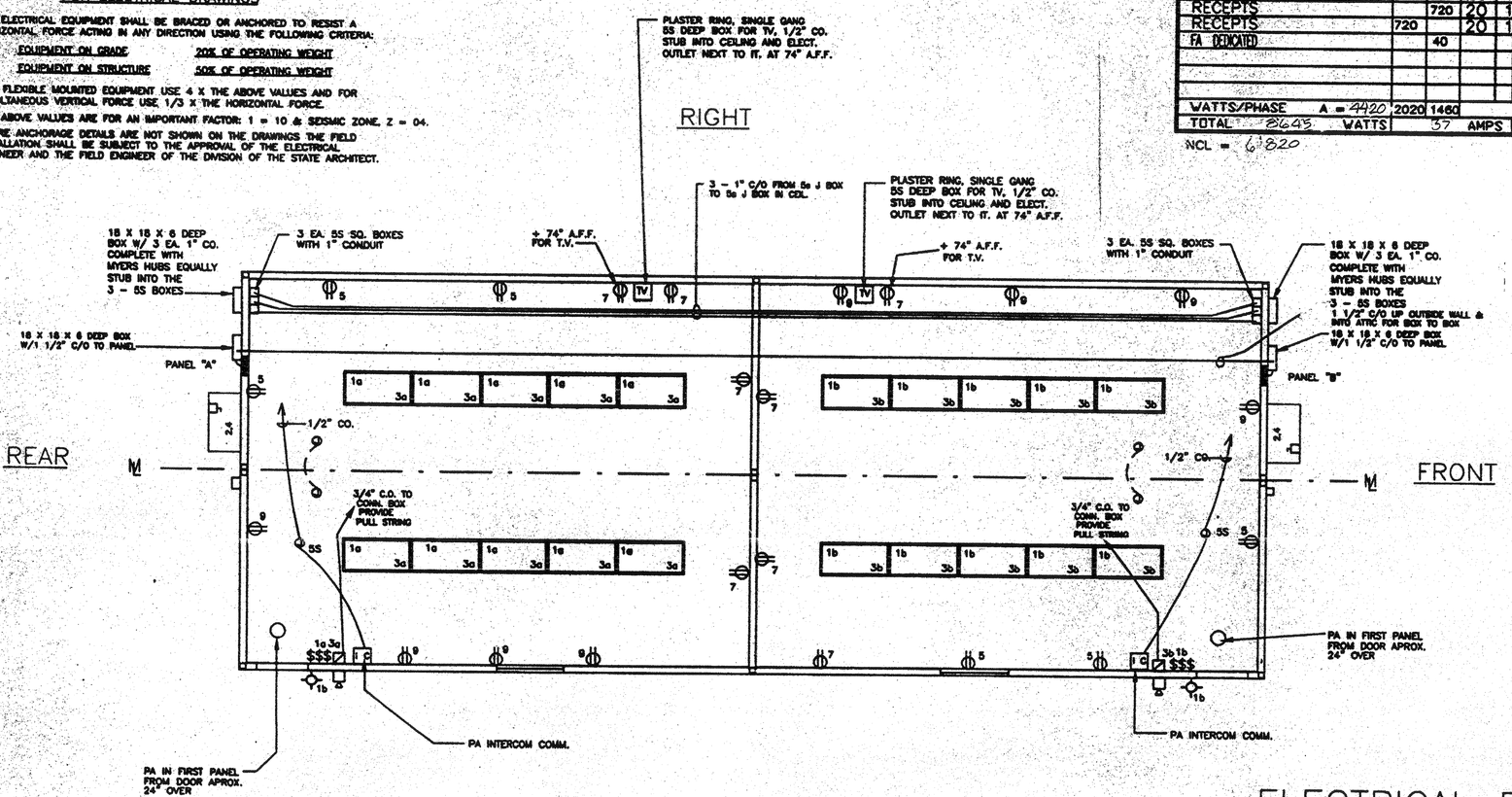
EQUIPMENT ON GRADE — 20% OF OPERATING WEIGHT

EQUIPMENT ON STRUCTURE — 50% OF OPERATING WEIGHT

FOR FLEXIBLE MOUNTED EQUIPMENT USE 4 X THE ABOVE VALUES AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 X THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANT FACTOR: I = 10 & SEISMIC ZONE, Z = 04.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ELECTRICAL ENGINEER AND THE FIELD ENGINEER OF THE DIVISION OF THE STATE ARCHITECT.



ELECTRICAL PLAN BLDG TYPE 3

SCALE 1/4"–1'–0"

LEGEND

- FLUORESCENT LIGHT, 2' X 4' PRUDENTIAL P8623XCTE – PRA – A87RWXI – 120
- EXTERIOR LIGHT FIXTURE. + 90" AFF UNO
- DUPLEX WALL RECEPTACLE 15–A 125–V 3–WIRE. + 18" AFF UNO
- "J" BOX
- "J" BOX CROSS OVER
- 6 X 6 X 4 WP GUTTER BOX FOR FA. + 18" A.F.F. 3/4" C/O. TO PULLSTRING
- ELECTRICAL PANEL + 60" AFF UNO
- $ SWITCH. + 48" AFF UNO
- 4s J BOX FOR FA. PULLSTATION + 48" A.F.F. 3/4" C/O. TO PULLSTRING
- 4s J BOX FOR EXT. FA. HORN + 102" A.F.F. 3/4" C/O. TO PULLSTRING
- 5S J BOX FOR TV
- P.A. 4s J BOX
- IC 4s J BOX . 3/4" C.O.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPL 10287
AC. FLS SS
DATE Nov 11 1996

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP03 118996
AC. FLS TN SS
DATE JUN 12 2019

~~IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 11776 AC. FLS TN DATE AUG 05 2014~~

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
				LICENSED ARCHITECT TROY JAY ADAY NO. C-23975 REN. 08-31-97 STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL AC. FLS SS DATE

MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
F.X. (909) 940-0427

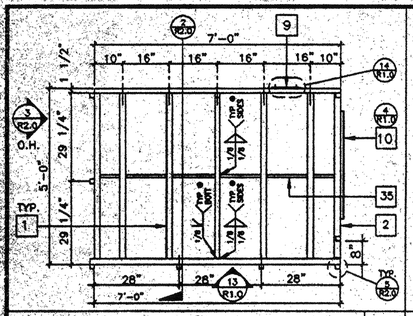
JOB NO: 2703 – G1

GLENDALE U.S.D.
FRANKLIN ELEM. SCHOOL

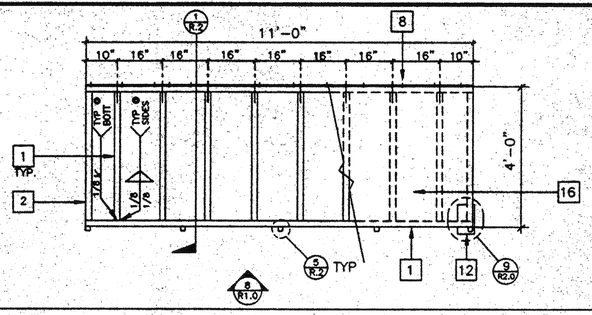
ELECTRICAL PLAN

DRAWN BY RS
DATE 8-10-96
CHECKED BY
DATE

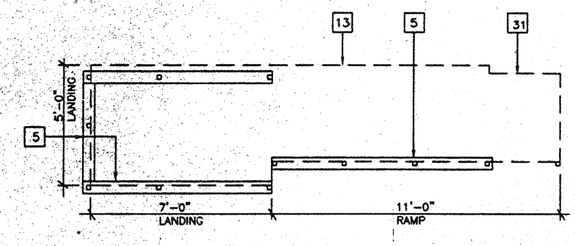
E1.3A



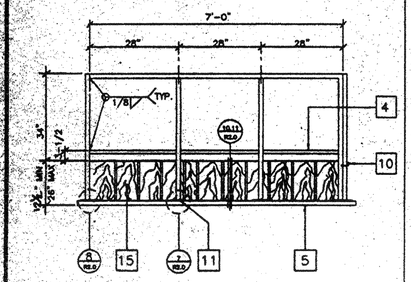
LANDING FRAME | 12



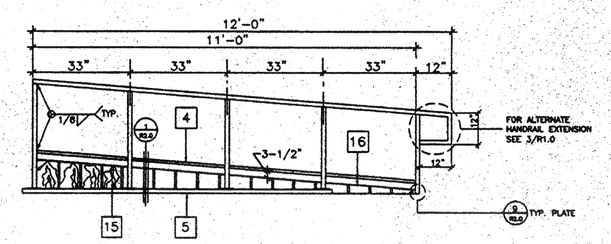
RAMP FRAME | 7



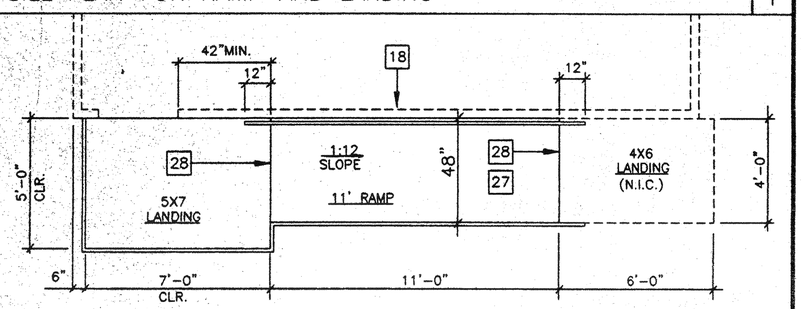
SILL PLAN FOR RAMP AND LANDING | 3/8" | 1



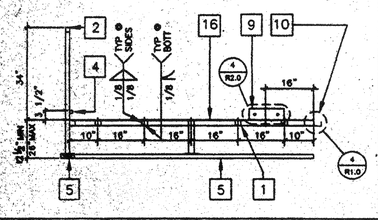
LANDING ELEVATION | 13



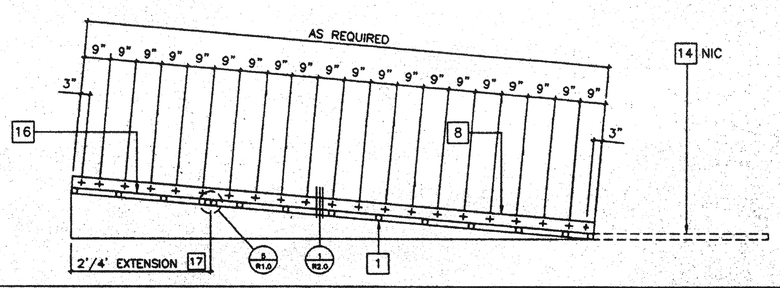
RAMP ELEVATION | 8



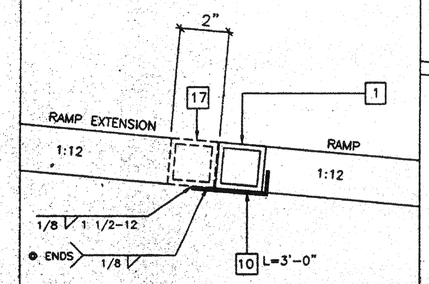
RAMP AND LANDING AT BUILDING | 3/8" | 2



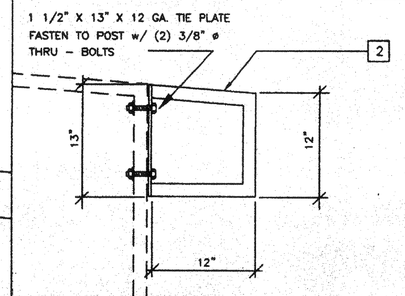
LONG. SECTION @ LANDING | 14



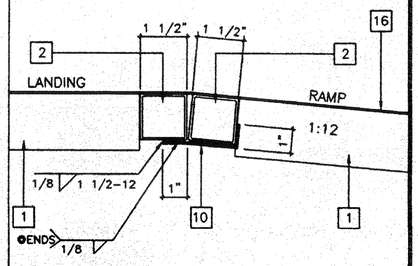
LONGITUDINAL SECTION @ RAMP | 9



RAMP EXTENSION TO RAMP | 5



GUARD RAIL EXTENSION | 3



LANDING TO RAMP | 4

KEY NOTES

1	TS 2" x 2" x 14ga
2	TS 1 1/2" x 1 1/2" x 14ga (Fy = 39KSI)
4	TS 1" x 1" x 16ga WHEELCHAIR GUIDE
5	2 x 6 PT SILL PLATE
8	6" x 10ga CONT. PLATE W/ 1/4" x 2" TEK SCREWS @9"OC INTO WOOD OR FOUND. BLOCKS OR #14 x 2" TEK SCREWS INTO STEEL @ 9" OC
9	6" x 12" x 10ga PLATE W/2-1/4" x 3" LAGS TO STRUCTURAL FRAME OF BUILDING
10	3" x 1" x 3'-0" x 10ga BENT PLATE
11	2" x 4" x 12ga BASE PLATE W/2-1/4" x 1" LAGS
12	6" x 10" x 12ga BASE PLATE @ RAMP TOE
13	LINE OF RAMP/LANDING ABOVE
14	LOWER LANDING BY DISTRICT
15	SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH W/ 8d @ 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO T.S. USE #14 x 2" TEK SCREWS @ 6"OC
16	12ga METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YR.
17	RAMP EXTENSION FRAME.
18	EXISTING BUILDING.
27	RAMP BY MODTECH
28	FLUSH TRANSITION
31	NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2" x 4'-0" LONG.
35	TS 1" x 1" x 16ga

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APP03 118996
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DATE JUN 1 2 2019

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APP03 11 16
AC FLS SS TN
DATE AUG 05 2014

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
APP: 101287
AC FLS SS TN
DATE MAY 1 1 1998

NOTES

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12".
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HT.
3. SURFACE: LANDING & RAMP TO HAVE NON SLIP SURFACE AMCOR GRIP II AS MANUFACTURED BY AMERICAN CHEMICAL COMPANY (OR EQUAL)
4. GROUNDING: PROVIDE GROUNDING OF RAMP TO BLDG FRAME W/#8 CU TO BOTH GROUND LUGS.
5. ARCHITECT SITE / RAMP / LANDING PLANNING: DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26" THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12 ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY MODTECH INC. IS 11'-0" AT A SLOPE OF 1:12 THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS MODTECH INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET R-1.
6. ALL 1 1/4" AND 1 1/2" TUBE STEEL TO BE OF ASTM A500 GRADE A STEEL (Fy = 39 KSI)

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal — REGISTERED PROFESSIONAL ENGINEER — JOHN T. SANDERS — No. 3602 — STRUCTURAL — STATE OF CALIFORNIA — LICENSE EXPIRES 6-30-2000

Architect's Seal — LICENSED ARCHITECT — GARY JAY KENT — NO. C-22 — STATE OF CALIFORNIA

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 304
AC FLS SS
DATE MAY 1 4 1997
REVISED

MODTECH

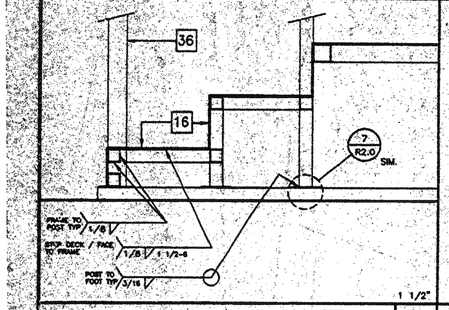
MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

Job Number: PC 304 2703-J

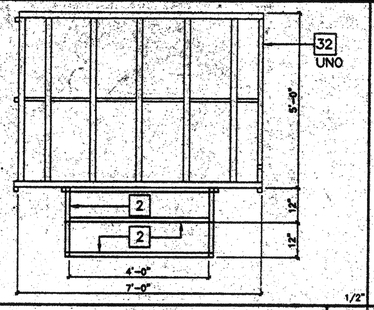
GLENDALE U.S.D.
CERRITOS E.S.

RAMP / LANDING

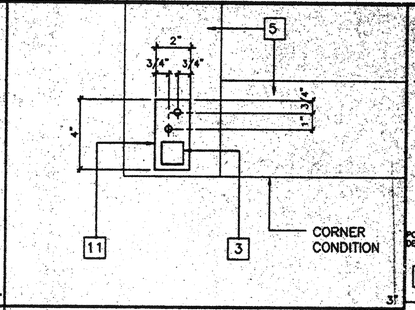
drawn by: FVH
date 11/96
checked by:
date
Modtech project no: PC 304
MODTECH Index No.
R1.0
P:\CAD\R1.0.DWG



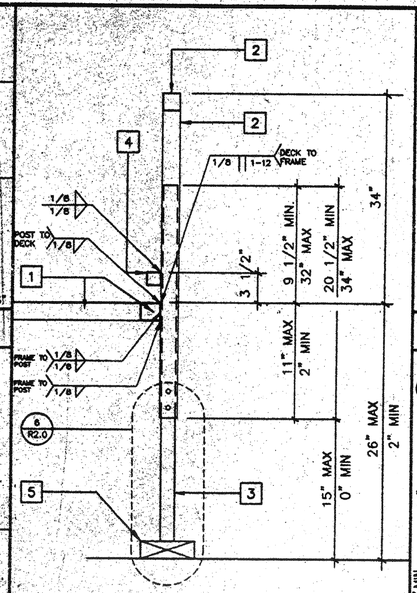
STAIR SECTION (OPTIONAL) 16



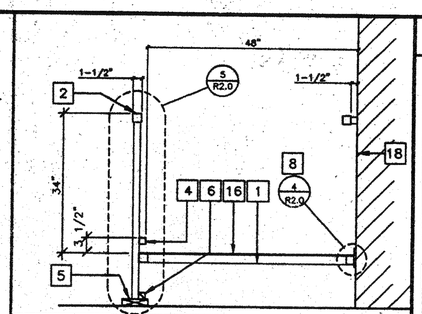
STAIR PLAN (OPTIONAL) 12



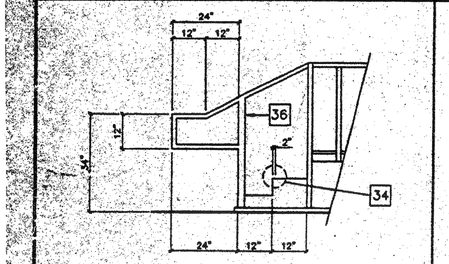
ADJUSTABLE LEG BASE PLATE 8



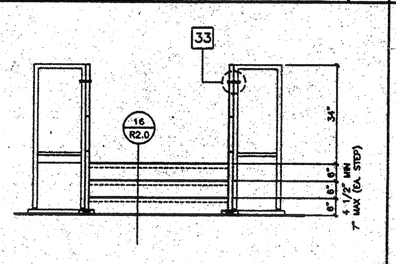
ADJUSTABLE LEG 3" 5



SECTION AT RAMP 3/4" 1



STAIR ELEVATION (OPTIONAL) 17



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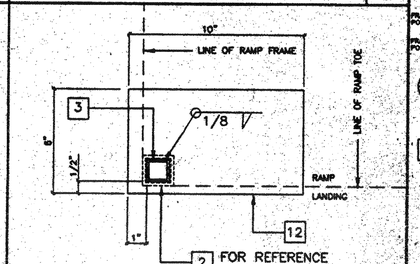
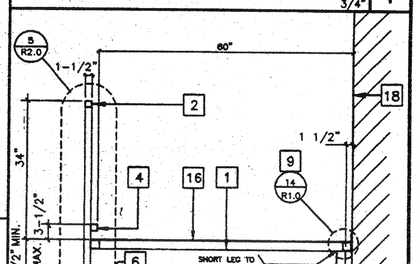
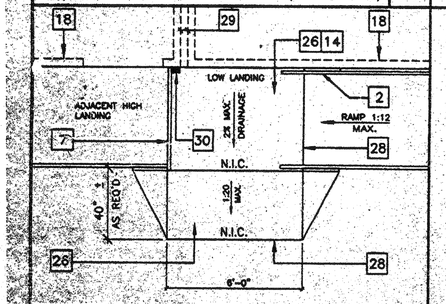


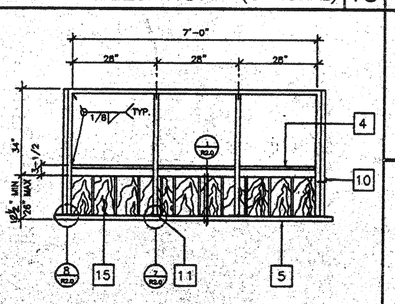
BASE PLATE @ RAMP TOE 9



SECTION AT LANDING 3/4" 2



RAMP TRANSITION BY DISTRICT 1/2" 18



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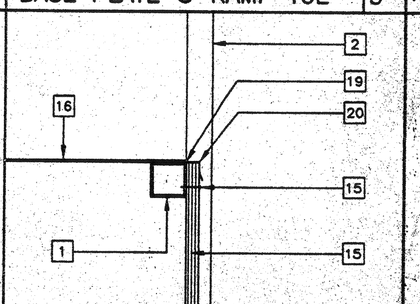
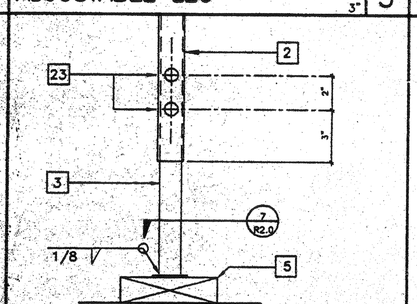
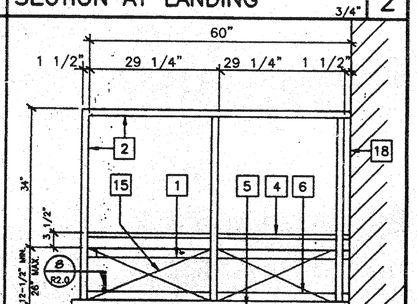


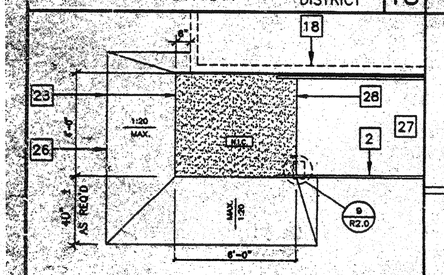
SKIRT FLASHING 3" 10



ADJUSTABLE LEG 3" 6

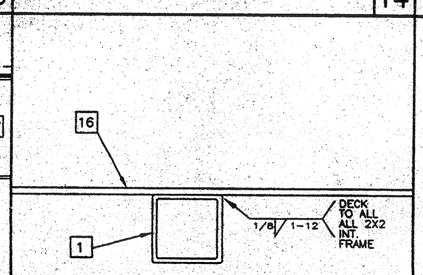


END ELEVATION 3/4" 3

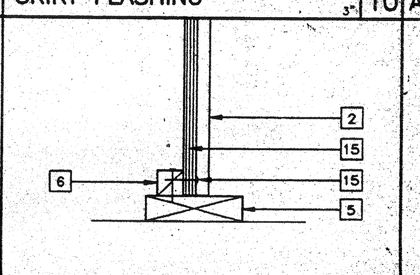


RAMP TRANSITION BY DISTRICT 1/2" 19

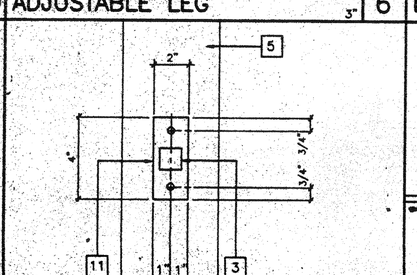
NOTE:
1:20 TRANSITION OFF OF LOWER LANDING REQUIRE NO HANDRAILS. TRANSITIONS OFF OF LOWER LANDING EXCEEDING 1:20, BUT NOT TO EXCEED A MAXIMUM OF 1:12 WILL REQUIRE REMOVAL OF 1' EXTENSION AND ADDITIONAL HAND RAILING BY DISTRICT.



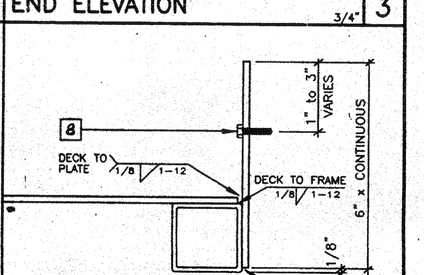
SECTION @ INT. FRAME 1/2" 15



SKIRT @ SILL PLATE 3" 11



ADJUSTABLE LEG BASE PLATE 7



SECTION @ PLATE 1/2" 4

KEY NOTES

1	TS 2" x 2" x 14ga
2	TS 1 1/2" x 1 1/2" x 14ga (Fy = 39 KSI)
3	TS 1 1/4" x 1 1/4" x 14ga (Fy = 39 KSI)
4	TS 1" x 1" x 16ga WHEELCHAIR GUIDE
5	2 x 6 PT SILL PLATE
6	2 x 2 NAILER W/16d @ 12" OC
7	2 x RW HEADER BY DISTRICT.
8	6" x 10ga CONTINUOUS PLATE W /#14 x 2" TEK SCREWS @ 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14 x 2" TEK SCREWS INTO METAL @ 9"OC
11	2" x 4" x 12ga BASE PLATE W/2-1/4" x 1" LAGS
12	6" x 10" x 12ga BASE PLATE @ RAMP TOE.
14	LOWER LANDING BY DISTRICT
15	SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH W/8d @ 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO T.S. USE #14 x 2" TEK SCREWS @ 6" OC
16	12ga METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 65%. MAINTAINABLE FOR 1 YR.
18	EXISTING BUILDING.
19	CAULKING
20	26 ga FLASHING
23	3/8" dia x 2" LONG MB W/NUT & WASHERS
26	PAVE BY DISTRICT.
27	RAMP BY MODTECH
28	FLUSH TRANSITION
29	3" MINIMUM BUILDING SERERATION
30	PROVIDE DIVERSION FOR WATER FROM DOWNSPOUT FOR THIS CONDITION. BY DISTRICT
32	FOR LANDING DETAILS AND RAMP ATTACHEMENT SEE 12/R1.0
33	FASTEN POSTS W/ 3/8" ø THRU BOLT. TYPICAL
34	2" WARNING STRIPES MAX 1" FROM EVERY STAIR NOSING. USE CONTRASTING COLOR.
36	TS 2 1/2" x 1 1/2" x 8ga ASTM A500 GRADE A

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APPL 101287
AC FLS SS
DATE MAY 11 1999

5/22/98

REVISIONS

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3			
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Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER
JAMES T. DeLUCE
No. 3905
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-

Architects Seal
LICENSED ARCHITECT
No. C-23[illegible]
STATE OF CALIFORNIA

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MODTECH

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

Job Number: PC 304 2703-J
GLENDALE U.S.D.
CERRITOS E.S.

drawn by: FVH
date 11/96
checked by:
date
Modtech project no:

MODTECH Index No.

RAMP/STAIR DETAILS

R2.0

PC 304