SUB-BIDS REQUESTED FOR

TULALIP TELA GYM PHASE 1 & 2 BID PACKAGES:

-CONCRETE FINISHING
-DOORS, FRAMES & HARDWARE
-CURTAIN WALL, STOREFRONT & ENTRANCES
-FLOORING
-TOILET PARTITIONS & BATHROOM ACCESSORIES
-ATHLETIC EQUIPMENT

BID DUE DATE: November 27. 2026 at 5:00 PM

Please send bids to: smcguffin@jtmconstruction.com

JTM CONSTRUCTION

JTM CONSTRUCTION
5900 Airport Way South, #110
Seattle, Washington 98108
(206) 587-4000
www.jtmconstruction.com

We are an equal opportunity employer requesting bids from all interested firms including disabled veterans, disadvantaged, minority, women and emerging small businesses enterprises. JTM is signatory to the Carpenters and Laborers Unions

AGC WASHINGTON CHAPTER
THE CONSTRUCTION ASSOCIATION

We are a member of the AGC of Washington.

#CC JTMCOCI813DL

TULALIP TRIBES
BETTY J TAYLOR EARLY LEARNING ACADEMY GYM



7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET

NOTICE
Plans are reviewed, accepting any errors or omissions. All work is subject to inspection in conformance with all applicable codes and regulations.

NOTICE
Reviewed for Code Compliance:
Plans and supplemental documents reviewed by BHC Consultants shall be available on site in printed form at the correct scale as shown on the plans. Failure to have the plans and supplemental documents on site at the time of the inspection can result in automatic failure with re-inspection fee.

SHEET NO.	SHEET NAME
ARCHITECTURAL	
A0.01	GENERAL INFORMATION
A1.10	OVERALL SITE PLAN
A1.20	ENLARGED SITE PLAN & RAILING DETAIL
A1.30	LIFE SAFETY PLAN & CODE ANALYSIS
A2.11	FLOOR PLAN - PHASE 1
A2.12	ROOF PLAN, CEILING PLAN & BUILDING SECTION
A2.21	FLOOR PLAN - PHASE 2
A3.10	EXTERIOR ELEVATIONS
A4.01	WALL SECTIONS
A4.02	WALL SECTIONS
A5.11	EXTERIOR DETAILS
A5.12	EXTERIOR DETAILS
A6.30	DOOR & FRAME LEGEND AND DETAILS
STRUCTURAL	
S101	STRUCTURAL TITLE SHEET
S102	GENERAL NOTES
S103	GENERAL NOTES
S201	FOUNDATION PLAN – LEVEL 1
S301	TYPICAL CONCRETE SECTIONS & DETAILS
S302	TYPICAL CONCRETE SECTIONS & DETAILS
MECHANICAL	
M0.00	COVER SHEET
M0.01	CONSTRUCTION & PERMIT REQUIREMENTS
M1.01	1ST FLOOR HVAC PLANS & EQUIPMENT SCHEDULES
ELECTRICAL	
E-0.00	SYMBOLS & ABBREVIATIONS
E-0.01	SITE PLAN
E-1.01	ONE-LINE DIAGRAM
E-1.02	PANEL SCHEDULES
E-1.03	LIGHTING SCHEDULES AND ENERGY CODE
E-2.01	LEVEL 1 POWER & MECH PLAN
E-3.01	LEVEL 1 LIGHTING PLAN
PLUMBING	
P0.00	COVER SHEET
P0.01	CONSTRUCTION REQUIREMENTS
P0.10	FIXTURE & EQUIPMENT SCHEDULES
P2.00	UNDERGROUND PLUMBING PLAN
P2.01	1ST FLOOR PLUMBING PLAN
P2.02	ROOF PUMBING PLAN
P4.01	WASTE & VENT RISER DIAGRAM
P4.02	DOMESTIC WATER RISER DIAGRAM
P5.02	PLUMBING DETAILS

NOTICE
FINAL ALLOWANCE
SUBJECT TO INSPECTION

PROJECT NOTES

1. THESE DRAWINGS AND THE ACCOMPANYING SPECIFICATIONS ARE THE PROPERTY OF TGB ARCHITECTS AND ARE NOT TO BE COPIED OR REUSED FOR ANY OTHER PROJECT.
2. DRAWINGS HAVE BEEN PREPARED FROM DATA AND DRAWINGS PROVIDED BY THE OWNER TO THE ARCHITECT. THE ARCHITECT HAS VERIFIED EXISTING CONDITIONS TO THE BEST OF THEIR ABILITY. THE ARCHITECT ISSUES NO WARRANTY, NEITHER EXPRESSED NOR IMPLIED, FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION INDICATED HEREIN.
3. NOTIFY THE ARCHITECT IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS OR WHERE DIMENSIONS VARY GREATER THAN 2" THAN THOSE SHOWN IN DRAWINGS.
4. CONTRACTOR TO COORDINATE REQUIREMENTS FOR INFECTION CONTROL DURING COURSE OF CONSTRUCTION WITH OWNER PRIOR TO COMMENCEMENT OF WORK.
5. PROVIDE 24" SQUARE ACCESS PANELS OR OF SIZES REQUIRED WHERE PLUMBING AND HEATING VALVES, WATER SWITCHES, OXYGEN PRESSURE SWITCHES, VENTILATION SPLITTER DAMPERS, ETC. ARE SHOWN ON PLUMBING AND MECHANICAL DRAWINGS. SUCH ACCESS PANELS TO BE INSTALLED IN THE FOLLOWING:A) GWBBOARD CEILINGS) METAL STUD AND MASONRY PARTITIONS.
6. WALL ASSEMBLIES MUST BE MAINTAINED AT ALL RECESSED FIRE EXTINGUISHER CABINETS AND ALL RECESSED EQUIPMENT.
7. PROVIDE FIRE EXTINGUISHER CABINETS OF THE TYPE SPECIFIED. REFER TO FLOOR PLAN(S) FOR LOCATIONS.
8. ALL SHAFT PARTITIONS EXTEND FROM FLOOR SLAB TO UNDERSIDE OF SLAB ABOVE. EXPOSED BEAMS WITHIN SHAFTS ARE TO BE FIREPROOFED WITH 2-HOUR GWBBOARD ENCLOSURE.
9. THE FIRE RATINGS OF ALL FIRE RATED PARTITIONS WILL BE STENCILED ABOVE CEILINGS, EACH SIDE OF PARTITIONS, BOTH SIDES OF CORRIDORS AND AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
10. ALL GWB IS 5/8" TYPE 'X' UNLESS NOTED OTHERWISE.
11. THE DRAWINGS AND THE SPECIFICATIONS ARE COMPLEMENTARY. WHATEVER IS INDICATED IN ONE IS ASSUMED TO BE INDICATED IN THE OTHER. NOTIFY THE ARCHITECT IN CASE OF DISCOVERED DISCREPANCIES.
12. ALL SUBSTRATES ARE TO BE SMOOTH PRIOR TO INSTALLATION OF FINISHES.
13. ALL WORK AND MATERIALS TO CONFORM TO FACILITY STANDARDS.

PROJECT TEAM

OWNER:
BETTY J TAYLOR EARLY LEARNING ACADEMY
7607 TOTEM BEACH RD
TULALIP, WA 98271
OWNER CONTACT:
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CONTACT PHONE
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JASONC@WENAHAGROUP.COM

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JHAYNES@JTMCONSTRUCTION.COM

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PROJECT LEAD: DEXTER CHIN
PRINCIPAL IN CHARGE : KENT GREGORY
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CIVIL ENGINEER CONTACT:
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JACKIES@CPLINC.COM

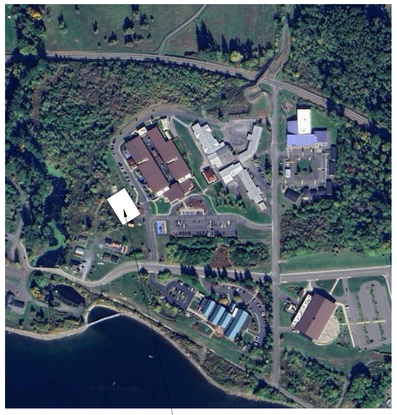
STRUCTURAL ENGINEER:
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ELECTRICAL ENGINEER CONTACT:
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PEMB VENDOR:
VE SERVICES
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SEATTLE, WA 98122-6024
PEMB VENDOR CONTACT:
BEN FERGUSON
206-775-5958
BEN@VESERVICES.CO

VICINITY MAP



PROJECT LOCATION

NORTH

PROJECT INFORMATION

SCOPE OF WORK

NEW GYMNASIUM AT THE BETTY J TAYLOR EARLY LEARNING ACADEMY CAMPUS TO BE PERMITTED AND CONSTRUCTED IN PHASES.

PHASE 1 - PRE-ENGINEERED METAL BUILDING OF APPROXIMATELY 10580 SQ FT.
PROJECT INCLUDES STRUCTURAL (SLAB/FOUNDATIONS), BELOW GRADE PLUMBING, PLUS MECHANICAL AND ELECTRICAL/LIGHTING SYSTEMS TO SUPPORT THE WARM SHELL. THE SITEWORK INCLUDES ACCESSIBLE WALKWAYS/RAMP AND 2 ACCESSIBLE PARKING STALLS. CIVIL DRAWINGS WERE PREVIOUSLY SUBMITTED UNDER THE GRADING PERMIT.

FUTURE PHASE 2 - BUILD OUT TO INCLUDE GYMNASIUM, CULTURAL/MULTI-USE ROOM AND SUPPORT SPACES. (UNDER SEPARATE PERMIT)

LEGAL DESCRIPTION

SW1/4 SEC22 T30N R4E

TAX PARCEL NUMBER

30042200300700

AUTHORITY HAVING JURISDICTION (AHJ)

CITY OF TULALIP

APPLICABLE CODES

BUILDING CODE: IBC WITH WASHINGTON AMENDMENTS - 2015
EXISTING BUILDING CODE: IEBC WITH WASHINGTON AMENDMENTS - 2015
ENERGY CODE: IECC WITH WASHINGTON AMENDMENTS - 2015
FIRE CODE: INTERNATIONAL FIRE CODE (IFC) - 2015
MECHANICAL CODE: INTERNATIONAL MECHANICAL CODE (IMC) - 2015
PLUMBING CODE: UNIFORM PLUMBING CODE (UPC) - 2015
ELECTRICAL CODE: NATIONAL ELECTRICAL CODE (NEC) - 2015
ACCESSIBILITY CODE: ANSI A117.1 - 2009 (BY REFERENCE FROM IBC AND WSBC)

DEFERRED SUBMITTALS

1. PRE-FABRICATED METAL BUILDING (PEMB) FINAL DWGS/CALCS
2. SPECIAL INSPECTIONS (REPORTS)
3. FIRE SUPPRESSION SYSTEM
4. FIRE ALARM

SEPARATE PERMITS

1. PHASE 2 - INTERIOR BUILDOUT

RELATED PERMIT

1. GRADING PERMIT #GP 2026-035

ALTERNATES

NONE

tgb|architects

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Edmonds WA 98026
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www.tgbarchitects.com

3626 REGISTERED ARCHITECT J. KENT GREGORY STATE OF WASHINGTON

Reviewed for
Building Code Compliance for
Tulalip Tribes
By BHC Consultants:
Phil Cecere
09/17/2026
Permit # BP 2026-026
TELA Gym Phase 1

TULALIP TRIBES
BETTY J TAYLOR
EARLY LEARNING
ACADEMY GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET

GENERAL INFORMATION

ISSUANCE

No.	Description	Date
1	PRICING SET	05/06/2026
2	PERMIT SET	07/16/2026

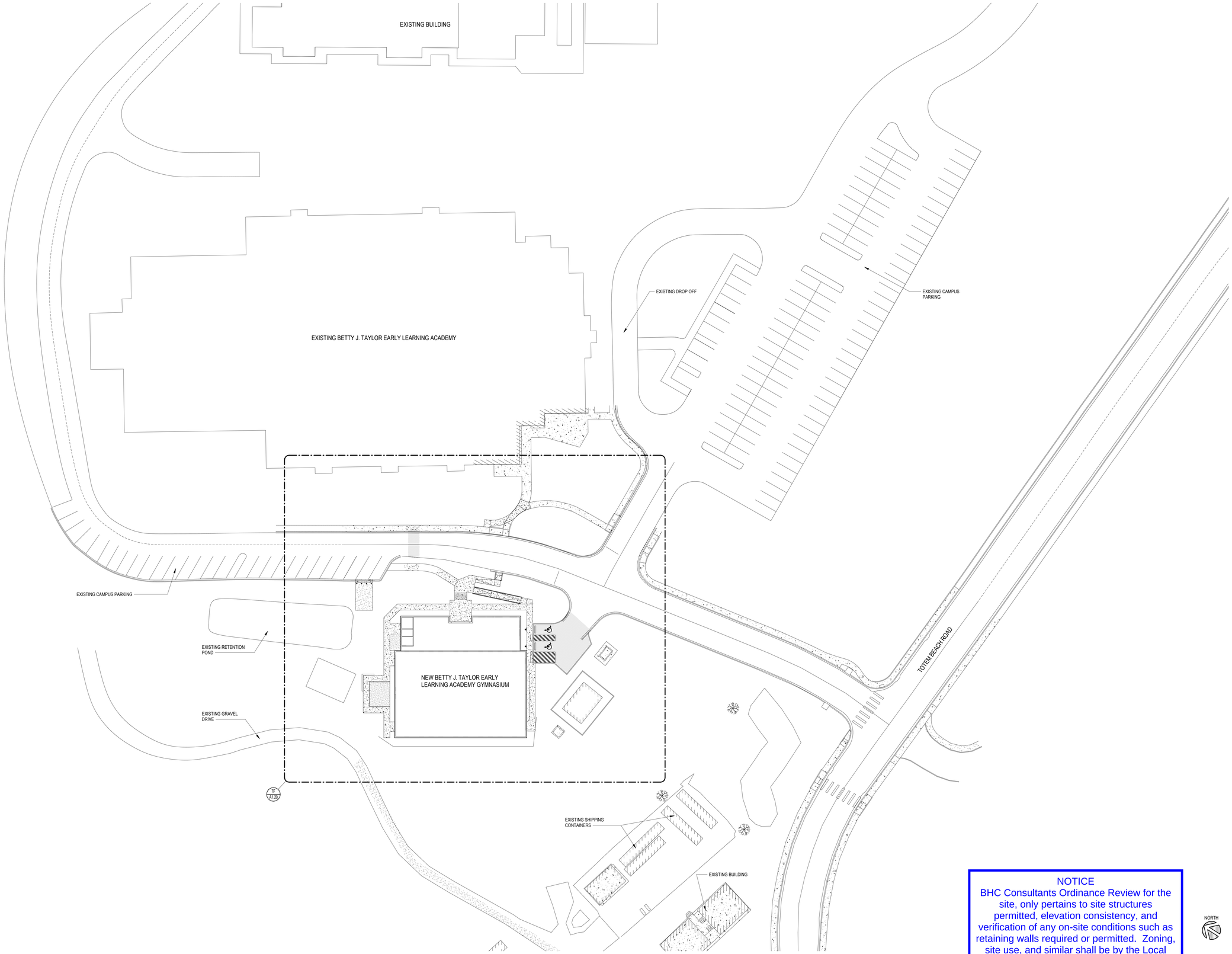
PROJECT INFORMATION

PROJECT NUMBER:	25076
PROJECT LEAD:	DC
DRAWN BY:	DC LK JY

SHEET NO
A0.01

SITE COPY

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1 SITE - OVERALL
1" = 30'-0"

NOTICE
BHC Consultants Ordinance Review for the site, only pertains to site structures permitted, elevation consistency, and verification of any on-site conditions such as retaining walls required or permitted. Zoning, site use, and similar shall be by the Local Authority Having Jurisdiction (AHJ).

SITE COPY

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3626 REGISTERED ARCHITECT L. KENT GREGORY STATE OF WASHINGTON

Reviewed for
Building Code Compliance for
Tulalip Tribes
By BHC Consultants:
Phil Cecere
09/17/2026
Permit # BP 2026-026
TELA Gym Phase 1

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET

OVERALL SITE PLAN

ISSUANCE

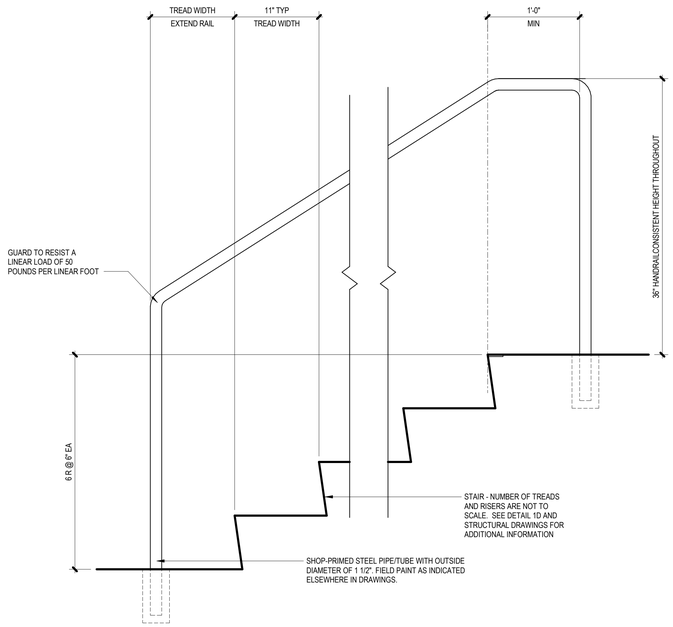
No.	Description	Date
1	PRICING SET	05/06/2026
2	PERMIT SET	07/16/2026

PROJECT INFORMATION

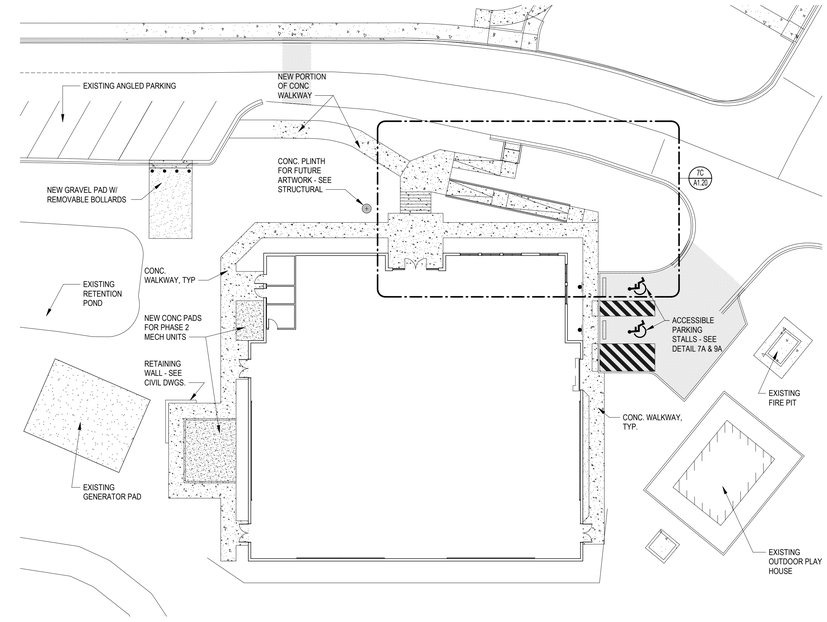
PROJECT NUMBER:	25076
PROJECT LEAD:	DC
DRAWN BY:	DC LK JY

SHEET NO
A1.10

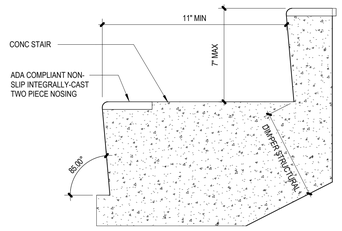
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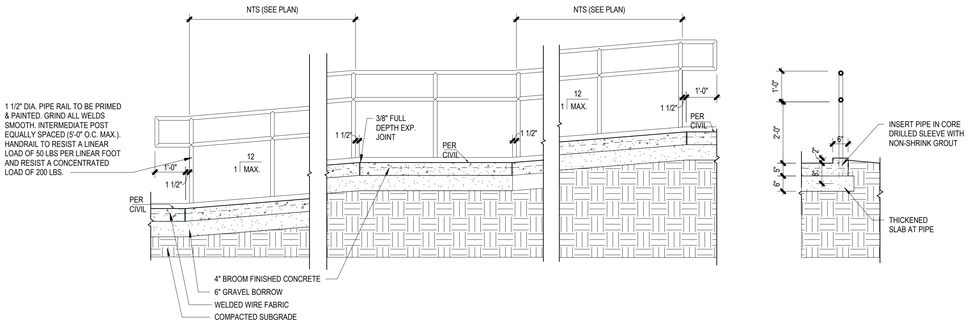
1F EXTERIOR STAIR & GUARDRAIL
1 1/2" = 1'-0"



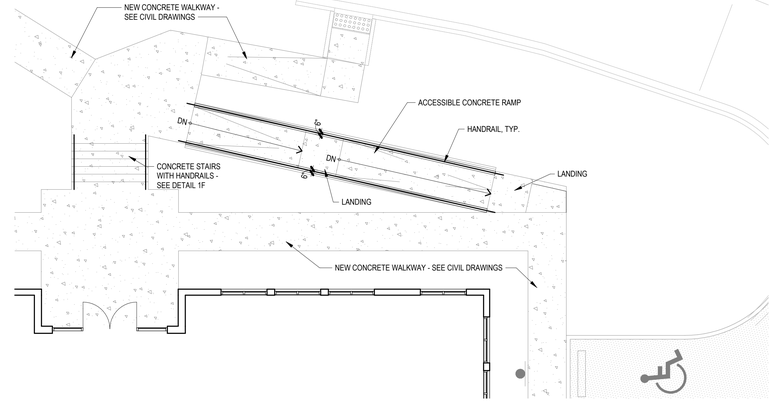
7F ENLARGED GROUND FLOOR PLAN
1" = 20'-0"



1D CONCRETE TREAD & RISER
3" = 1'-0"

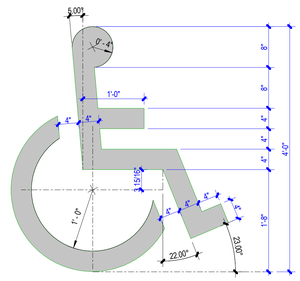


1A EXTERIOR CONCRETE RAMP
1/2" = 1'-0"



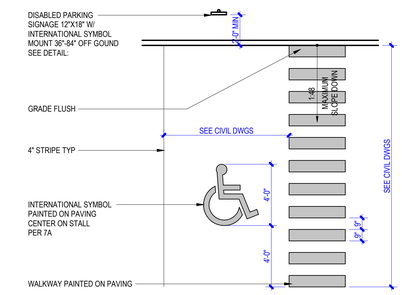
7C ENLARGED GROUND FLOOR PLAN - ACCESSIBLE RAMP
1/8" = 1'-0"

NORTH



NOTE: PAINT INTERNATIONAL SYMBOL OF ACCESS ON DECK CONTRASTING COLOR - BLUE ON CONCRETE, WHITE ON ASPHALT

7A TYP. BARRIER-FREE SYMBOL
1" = 1'-0"



9A ACCESSIBLE STALLS
1/4" = 1'-0"

SITE COPY

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3626 REGISTERED ARCHITECT L. KENT GREGORY STATE OF WASHINGTON

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TELA Gym Phase 1

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PERMIT SET

ENLARGED SITE PLAN & RAILING DETAIL

ISSUANCE

No.	Description	Date
1	PRICING SET	05/06/2026
2	PERMIT SET	07/16/2026

PROJECT INFORMATION

PROJECT NUMBER:	25076
PROJECT LEAD:	DC
DRAWN BY:	DC LK JY

SHEET NO
A1.20

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ENVELOPE DATA FOR 2015 WSEC COMPLIANCE - COMPONENT PERFORMANCE PATH	SEE COMPLIANCE FORMS
STEEL BUILDING WALLS, ABOVE GRADE (AT MAIN ENTRANCE ALCOVE ONLY)	R-13 FIBERGLASS BATTS + 2 1/2" MINERAL FIBER BOARDS @ R4.2 MIN / INCH = R10. 3 CI MIN
METAL BUILDING WALLS, ABOVE GRADE	R-30 BANDED LINER SYSTEM WITH THERMAL BREAK TAPE
METAL BUILDING ROOFS:	R-30 FIBERGLASS BATTS + R-11 BANDED LINEAR SYSTEM BATTS, 1" THICK MIN THERMAL SPACER BLOCKS

SWING DOORS, U-FACTOR OF 0.091 OR BETTER

OVER HEAD COILING DOOR, U-FACTOR OF 0.532 OR BETTER

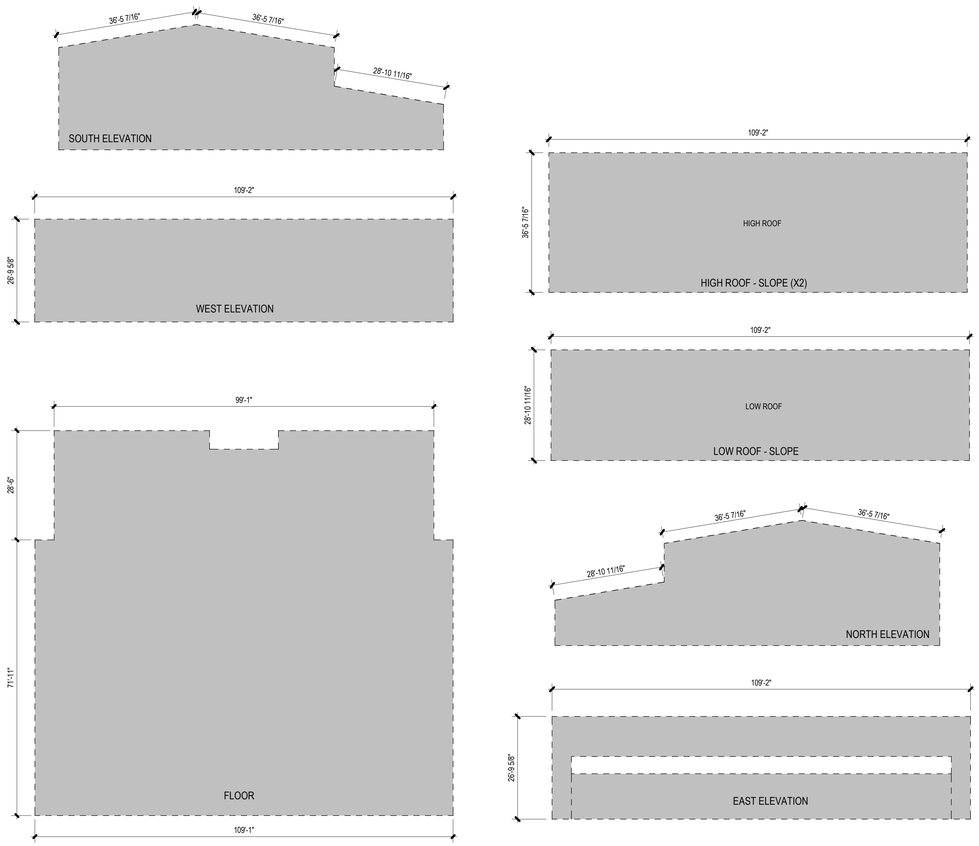
VERTICAL FENESTRATION FIXED METAL, U-FACTOR OF 0.27 OR BETTER

SECTION C406 ADDITIONAL EFFICIENCY PACKAGE OPTIONS SELECTED
1) REDUCED LIGHTING POWER IN ACCORDANCE WITH SECTION C406.3 (PHASE 1 AND PHASE 2)
3) HIGH-EFFICIENCY SERVICE WATER HEATING IN ACCORDANCE WITH SECTION C406.7 (PHASE 2 ONLY)

BUILDING AIR PRESSURE BOUNDARY

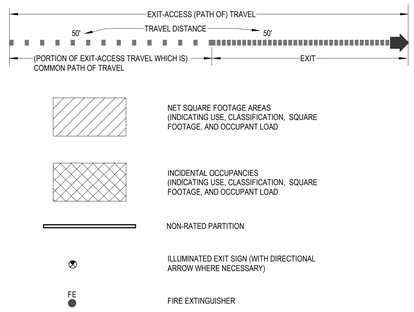
FLOOR AREA: 10,581 SF
WALL AREA
N: 2,539 SF
E: 2,480 SF
S: 2,539 SF
W: 2,926 SF
ROOF AREA
HIGH: 3,980 SF *2
LOW: 3,154 SF

TOTAL AREA: 32,179 SF



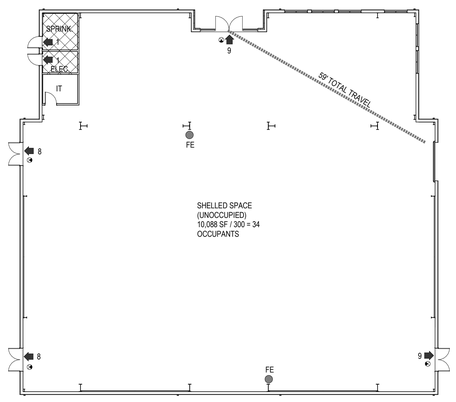
1 AIR BARRIER CALCULATION
1/16" = 1'-0"

LIFE SAFETY PLAN SYMBOLS

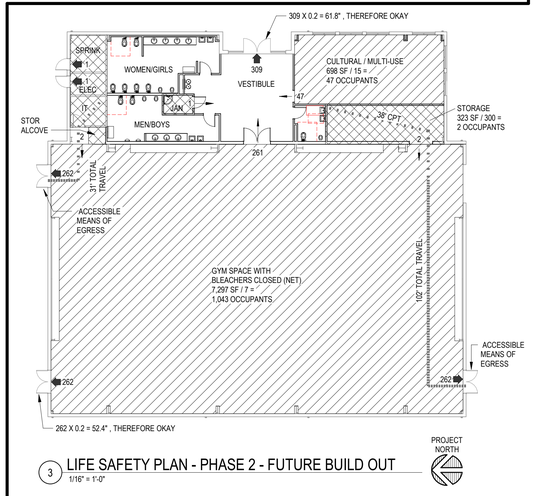


LIFE SAFETY PLAN NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR LOCATION AND QUANTITY OF SMOKE DETECTORS.



2 LIFE SAFETY PLAN - PHASE 1 - SHELLED SPACE
1/16" = 1'-0"



3 LIFE SAFETY PLAN - PHASE 2 - FUTURE BUILD OUT
1/16" = 1'-0"

CODE ANALYSIS - EDUCATIONAL & ASSEMBLY OCCUPANCY - PHASE 2 (FUTURE TI)

		2015 WA STATE BUILDING CODE (REF IBC-2015)
BUILDING ADDITION INFORMATION		
ZONING	PER ZONING MAP	CM (COMMUNITY MIXED USE)
MULTIPLE OCCUPANCY USE		GROUP E (EDUCATIONAL) AND GROUP A3 (ASSEMBLY)
CONSTRUCTION TYPE		V-B
NUMBER OF STORIES, HEIGHT		ONE STORY, BUILIDNG HEIGHT APPROX. 34'-0",
SPRINKLERED?		YES, COMPLYING WITH WSBC SECTION 903.3.1
BUILDING AREA		10,583 GROSS SF
PARKING		CAMPUS SHARED PARKING
OCCUPANCY AND USE	--------	--------
MULTIPLE OCCUPANCY USE	CHAPTER 3	--------
A-3 ASSEMBLY - MOST RESTRICTIVE (USED FOR CALCULATIONS)	SECTION 303	GROUP A - ASSEMBLY (FOR EVENT GATHERINGS LIKE HEALTH FAIR)
E (EDUCATIONAL)	SECTION 305	GROUP E - EDUCATIONAL (EXTENSION OF MAIN EDUCATIONAL BUILDING)
STORAGE AREAS	SECTION 311.1.1	PART OF THE MAIN OCCUPANCY - GROUP A
ALLOWABLE AREA	SECTION 506.2.1	Aa = 24,000 ALLOWABLE AREA PER TABLE 506.2 (E & A-3 OCCUPANCY / TYPE VB CONSTRUCTION) 10,500 SF (ACTUAL, THEREFORE OKAY)
MIXED OCCUPANCIES	SECTION 508.1	NON-SEPARTATED OCCUPANCY SELECTED
NON-SEPARATED OCCUPANCIES	SECTION 508.3	MOST RESTRICTIVE OCCUPANCY GOVERNS APPLICATION OF CHAPTER 9
FIRE-RATING FOR BUILDING ELEMENTS, FIRE AND SMOKE PROTECTION FEATURES	CHAPTER 6 CHAPTER 7	SEE ALSO "MEANS OF EGRESS" SECTION BELOW
PRIMARY STRUCTURAL FRAME	TABLE 601	0 HOURS AT CONSTRUCTION TYPE V-B
INTERIOR BEARING WALLS	TABLE 601	0 HOURS AT CONSTRUCTION TYPE V-B
INTERIOR NON-BEARING WALLS AND PARTITIONS	TABLE 601	0 HOURS AT CONSTRUCTION TYPE V-B
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	TABLE 601	0 HOURS AT CONSTRUCTION TYPE V-B
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	TABLE 601	0 HOURS AT CONSTRUCTION TYPE V-B
EXIT ACCESS STAIRWAYS	SECTION 1019.3	NA
FIRE PROTECTION	CHAPTER 9	--------
GROUP A-3 AUTOMATIC SPRINKLER SYSTEM	SECTION 903	SYSTEM REQUIRED IF FIRE AREA > 12,000 SF OR OL > 300 OCCUPANT LOAD OVER 300, THEREFORE SPRINKLERS PROVIDED
MEANS OF EGRESS	CHAPTER 10	--------
OCCUPANT LOAD	SECTION 1004	SPACE SQ. FT.
EXERCISE ROOM USE	TABLE 1004.1.2	1 OCCUPANT PER 50 SF GROSS
OPEN GYM AREA USED FOR SPORTS/EXERCISE (LEAST STRICT CONFIGURATION)		7,297 SF — 7,300 SF / 50 = 146 OCC (NOT USED IN CALCULATIONS)
ASSEMBLY- CONCENTRATED AND UNCONCENTRATED USES	TABLE 1004.1.2	1 OCCUPANT PER 7 OR 15 SF NET
OPEN GYM AREA USED FOR GATHERING EVENTS		7,297 SF — 7,297 SF / 7 = 1,043 OCC (STRICTEST CONFIG.)
CULTURAL/MULTI-USE		698 SF — 698 SF / 15 = 47 OCC
ACCESSORY-STORAGE AREA AND JANITOR	TABLE 1004.1.2	
STORAGE		233 SF — 323 SF / 300 = 2 OCC
JANITOR		36 SF — 36 SF / 300 = 1 OCC
IT		71 SF — 71 SF / 300 = 1 OCC
STORAGE ALCOVE		20 SF — 20 SF / 300 = 1 OCC
DIRECT EXIT TO EXTERIOR / SPACES W/ NO OCCUPANT LOAD		
SPRINKLER (SEPARATE EXIT TO EXTERIOR)		88 SF — 1 OCC (SEPARATE EXIT)
ELECTRICAL (SEPARATE EXIT TO EXTERIOR)		52 SF — 1 OCC (SEPARATE EXIT)
VESTIBULE		521 SF — ZERO OCC
WOMEN/GIRLS		370 SF — ZERO OCC
MEN/BOYS		273 SF — ZERO OCC
TOTAL AREA		9,659 SF
PROJECT OCCUPANT LOAD	SEE L.S. PLAN	TOTAL OCCUPANT LOAD = 1,097 OCCUPANTS
NUMBER OF EXITS REQUIRED - MINIMUM	SECTION 1006.2.1.1	4 EXITS FOR OCCUPANT LOAD > 1,000; 4 PROVIDED SEE ALSO "ONE EXIT ALLOWED" SECTION BELOW
SPACES WHERE ONE EXIT IS ALLOWED	SECTION 1006.3.2 TABLE 1006.2.1 TABLE 1006.3.2 (2)	IN SPRINKLERED GROUP A SPACES WITH NO MORE THAN 49 OCCUPANTS AND NO MORE THAN 75 FT COMMON PATH OF TRAVEL
COMMON PATH OF TRAVEL (ALLOWABLE)	TABLE 1006.2.1	75 FT IN GROUP A, WHEN SPRINKLERED
ARRANGEMENT OF EXITS OR EXIT ACCESS DOORS	SECTION 1007.1.1	PLACED AT A DISTANCE FROM ONE ANOTHER NOT LESS THAN ONE-THIRD THE DISTANCE OF THE MAXIMUM DIAGONAL OF THE SPACE SERVED, IN A SPRINKLERED BUILDING
EXIT ACCESS TRAVEL DISTANCE (ALLOWABLE)	SECTION 1017 TABLE 1017.2	250 FT IN GROUP A, WHEN SPRINKLERED
CORRIDOR CONSTRUCTION	TABLE 1020.1	UNRATED IN OCCUPANCY GROUP A, WHEN SPRINKLERED, NA (NONE)
CORRIDOR (ALLOWABLE) DEAD END LENGTH IN ROOMS OR SPACES REQUIRING MORE THAN 1 EXIT OR EXIT-ACCESS DOOR	SECTION 1020.4	20 FT IN OCCUPANCY GROUP A, WHEN SPRINKLERED
DOOR SWING	SECTION 1010.1.2.1	DOOR MUST SWING IN THE DIRECTION OF EGRESS TRAVEL WHEN SERVING A SPACE WITH AN OCCUPANT LOAD OF 50 OR MORE
PANIC HARDWARE	SECTION 1010.1.9.3 SECTION 1010.1.10	REQUIRED WHERE SERVING A GROUP A OCCUPANCY WITH AN OCCUPANT LOAD OF 50 OR MORE, EXCEPT AT MAIN EXTERIOR EXIT IF REPLACED BY READILY-DISTINGUISHABLE LOCKING HARDWARE AND RELATED SIGNAGE.
PLUMBING FIXTURES REQUIRED	CHAPTER 29	--------
WATER CLOSETS, URINALS	TABLE 2902.1	IN A-3 OCCUPANCY: MALE - 1 PER 125; FEMALE - 1 PER 65 548 / 125 = 5 REQUIRED FOR MALE, 5 WC + 2 URINALS PROVIDED 548 / 65 = 9 REQUIRED FOR FEMALE, 9 WC PROVIDED
LAVATORIES	TABLE 2902.1	IN A-3 OCCUPANCY: 1 PER 200 OCCUPANTS 3 REQUIRED FOR MALE, 6 PROVIDED 3 REQUIRED FOR FEMALE, 7 PROVIDED
DRINKING FOUNTAINS	SECTION 2902.5	IN A-3 OCCUPANCY: 1 PER FIRST 150, THEN 1 PER 500 3 TOTAL PROVIDED (HIGH & LOW + BOTTLE FILLING STATION)
SERVICE SINKS	TABLE 2902.1	1 REQUIRED, 1 PROVIDED

* GROUP E OCCUPANCIES: THE NUMBER OF OCCUPANTS FOR MIN PLUMBING FIXTURES = 10,500 SF (GROSS BUILDING AREA) / 100 SF PER STUDENT = 105 OCC. GROUP A-3 OCCUPANCY IS THE MOST STRINGENT, THEREFORE USED FOR PLUMBING CALCULATIONS
* 2902.5.4.2 SUBSTITUTION - BOTTLE FILLING STATIONS SHALL BE PERMITTED TO BE SUBSTITUTED FOR UP TO 50% OF REQUIRED DRINKING FOUNTAINS

PHASE 2 TO BE SUBMITTED UNDER SEPARATE PERMIT. THE PHASE 2 INFORMATION PROVIDED WAS USED TO CALCULATE THE EGRESS WIDTHS AND PLUMBING FIXTURES REQUIRED FOR THE BELOW SLAB WASTE LINES IN PHASE 1.

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3626 REGISTERED ARCHITECT L. KENT GREGORY STATE OF WASHINGTON

Reviewed for
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Tulalip Tribes
By BHC Consultants:
Phil Cecere
09/17/2026
Permit # BP 2026-026
TELA Gym Phase 1

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET

LIFE SAFETY PLAN & CODE ANALYSIS

ISSUANCE

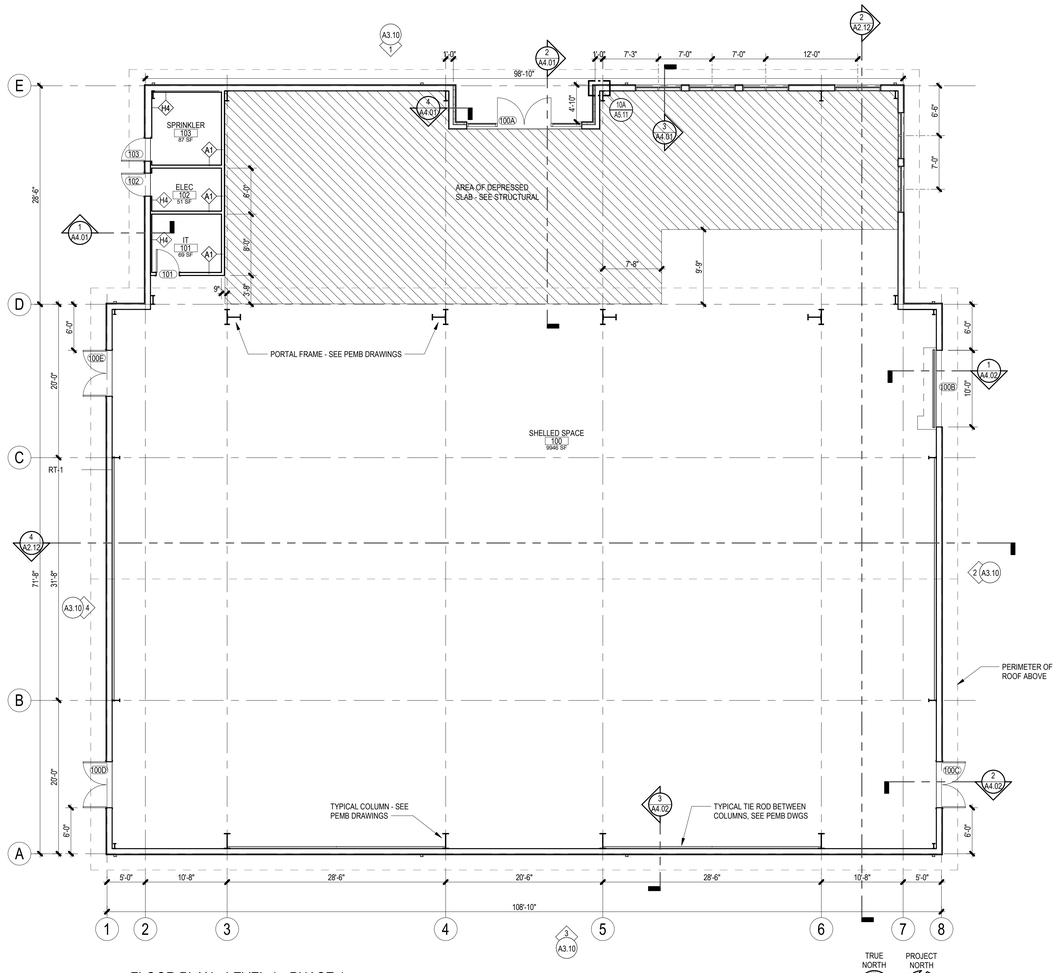
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2	PERMIT SET	07/16/2026

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DRAWN BY: DC LK JY

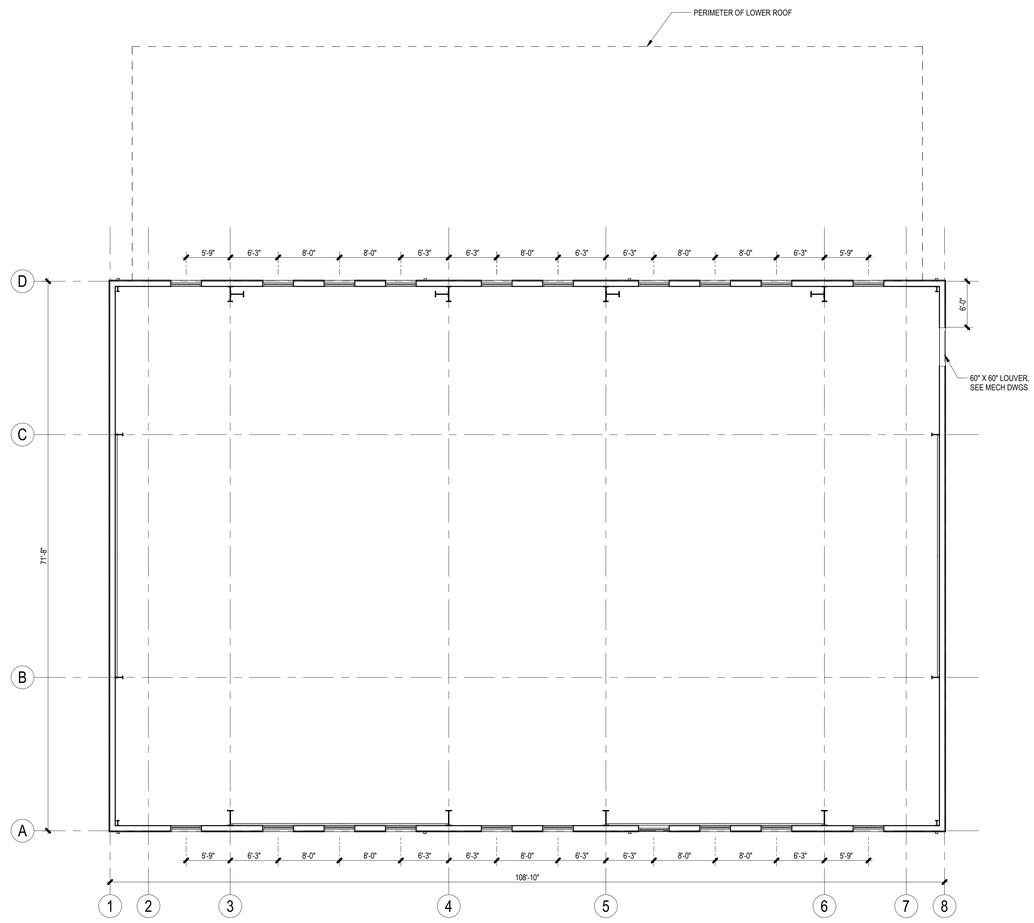
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A1.30

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1 FLOOR PLAN - LEVEL 1 - PHASE 1
1/8" = 1'-0"



2 FLOOR PLAN - LEVEL 1 - HIGH
1/8" = 1'-0"

TRUE NORTH

PROJECT NORTH

FLOOR PLAN SYMBOLS

ROOM NAME 101 150 SF — ROOM NAME WITH NUMBER

1 — PARTITION TYPE TAG - SEE PARTITION TYPE LEGEND

NON-RATED PARTITION

101 — DOOR TAG - SEE DOOR SCHEDULE

1t — WINDOW TAG - SEE WINDOW SCHEDULE

00 / A7.00 / 00 — ELEVATION VIEW LOCATION REFERENCE; SHEET WHERE VIEW IS LOCATED

FLOOR PLAN NOTES

1. FLOOR PLANS MAY NOT INCLUDE TOTAL OF ALL REQUIRED WORK. REFER TO CONSULTANT DRAWINGS FOR POTENTIAL WORK IN OTHER AREAS.
2. SECURE NEW WALLS TO SUBSTRATE WITH FASTENERS LOCATED 2' FROM EACH END AND SPACED A MAXIMUM OF 16" O.C.
3. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR ANY CABINETS, EQUIPMENT, HANDRAILS, OR WHERE REQUIRED.
4. LOCATE ALL NEW DOORS 6" FROM HINGE SIDE OF ADJACENT WALL UNLESS NOTED OTHERWISE.
5. ALIGN NEW WALLS WITH ADJACENT EXISTING WHERE APPLICABLE FOR A SMOOTH, CONTINUOUS FINISH.
6. ADD COLUMN FURRING WITH 7/8" FURRING STRIPS & (1) LAYER OF 5/8" GWB EXTENDED TO 6" ABOVE CEILING AT ALL EXPOSED COLUMNS UNLESS NOTED OTHERWISE.
7. ALL PARTITIONS SCHEDULED TO RECEIVE ACOUSTICAL INSULATION SHALL BE CONSIDERED ACOUSTICAL PARTITIONS AND SHALL BE CONSTRUCTED AND CAULKED AS SPECIFIED.

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Tulalip, WA 98271

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FLOOR PLAN - PHASE 1

ISSUANCE

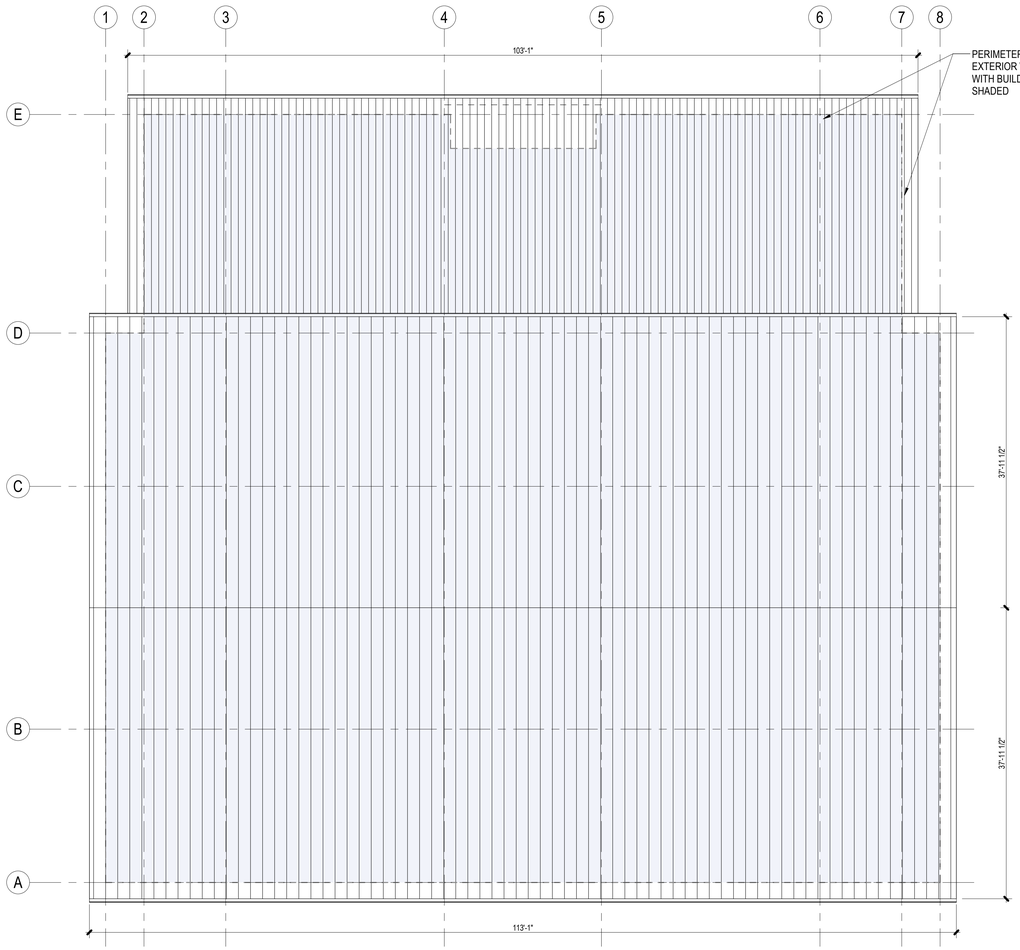
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2	PERMIT SET	07/16/2026

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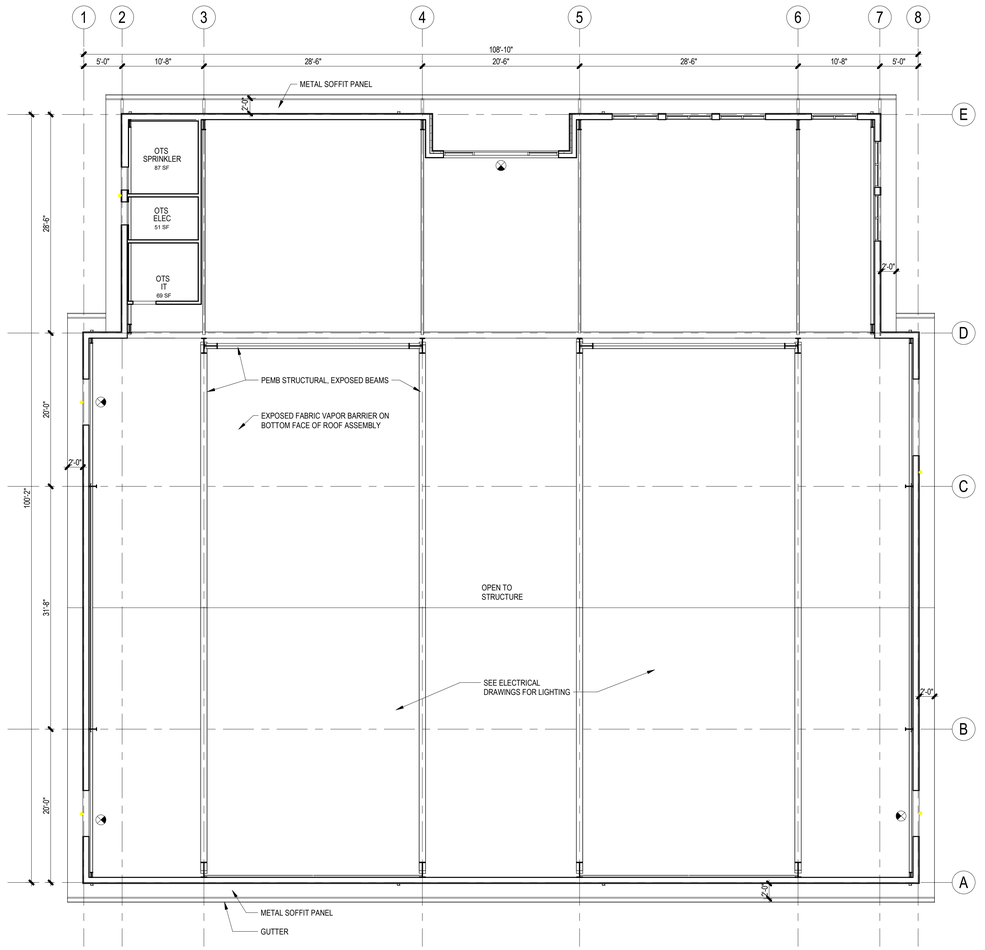
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DRAWN BY:	DC LK JY

SHEET NO
A2.11

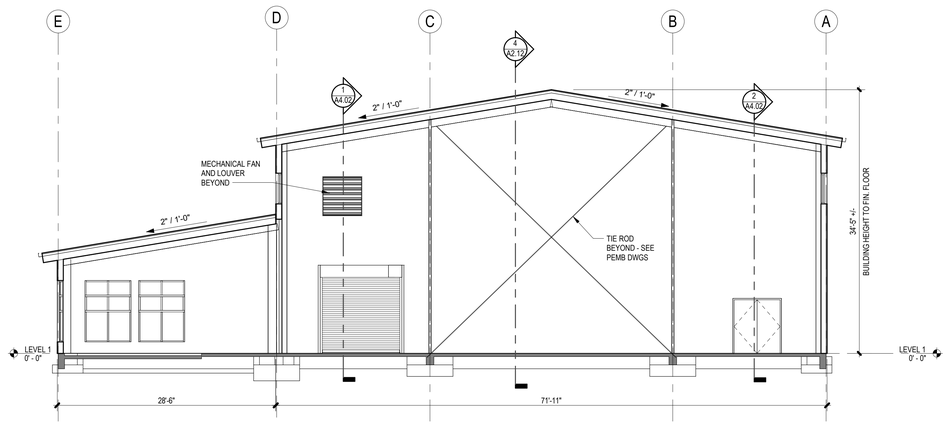
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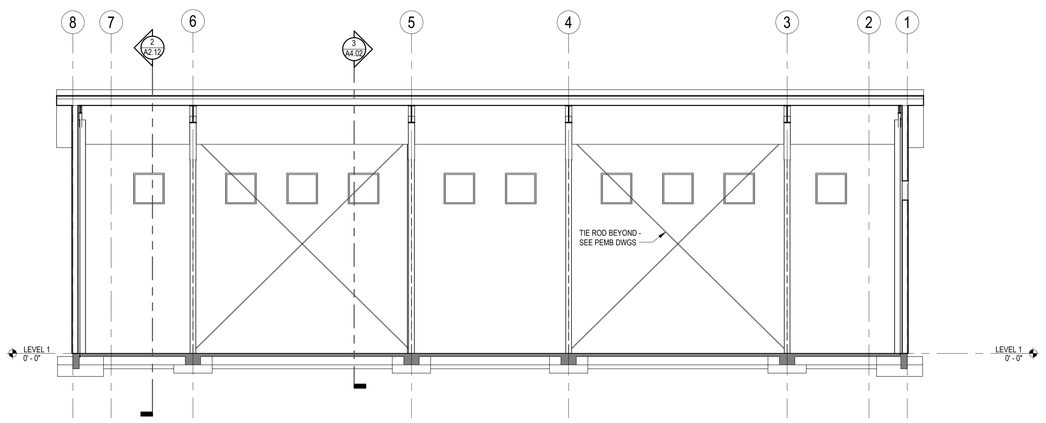
1 ROOF PLAN
1/8" = 1'-0"



3 CEILING PLAN - PHASE 1
1/8" = 1'-0"



2 SECTION / ELEVATION LOOKING SOUTH
1/8" = 1'-0"



4 SECTION / ELEVATION LOOKING WEST
1/8" = 1'-0"

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Phil Cecere
09/17/2026
Permit # BP 2026-026
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7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET

ROOF PLAN, CEILING PLAN & BUILDING SECTION

ISSUANCE

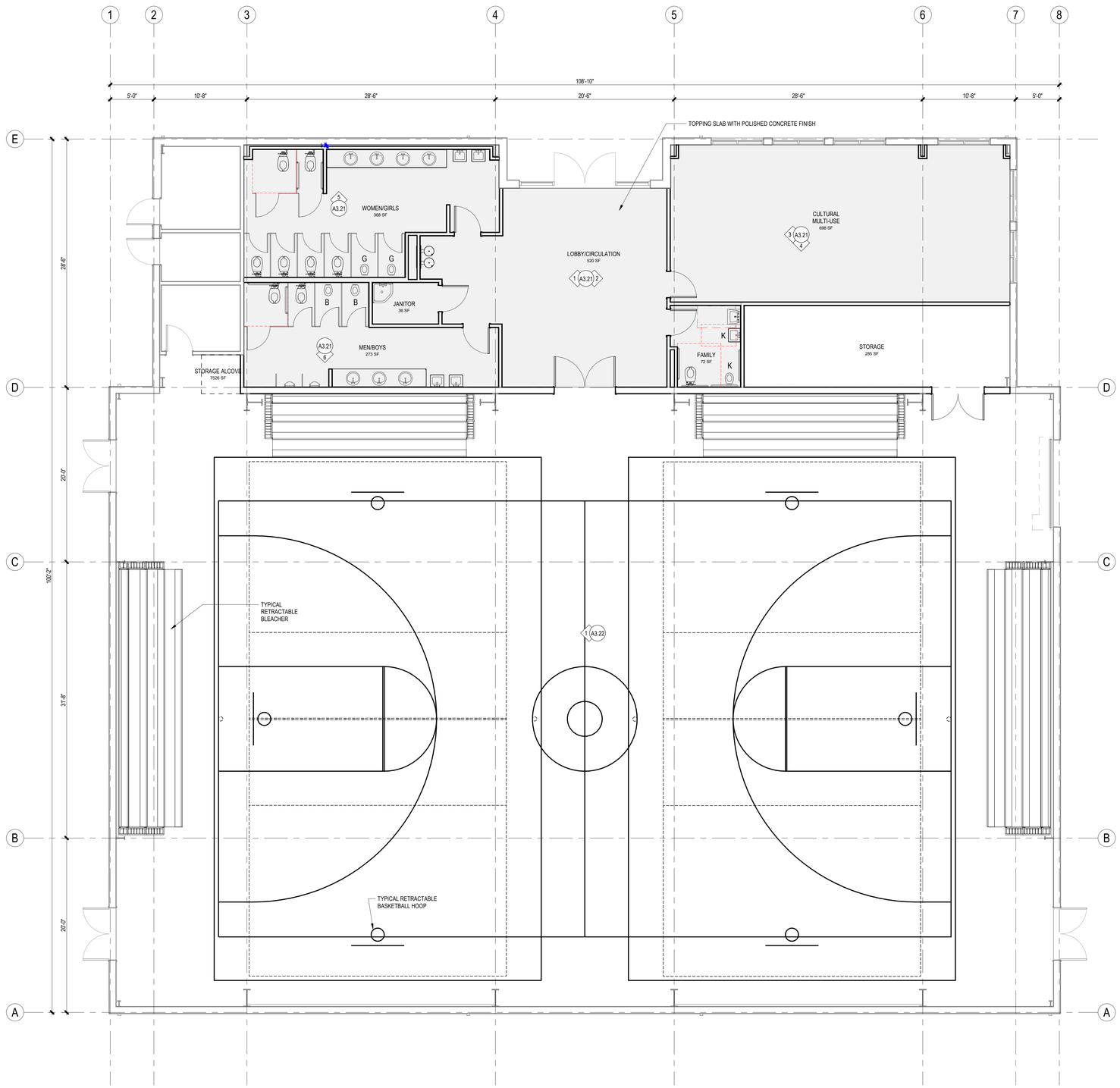
No.	Description	Date
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2	PERMIT SET	07/16/2026

PROJECT INFORMATION

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PROJECT LEAD:	DC
DRAWN BY:	DC LK JY

SHEET NO
A2.12

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1 FLOOR PLAN - LEVEL 1 PHASE 2
3/16" = 1'-0"

NOT IN SCOPE OF WORK - PHASE 2 IN SEPARATE PERMIT - FOR REFERENCE ONLY

TRUE NORTH

PROJECT NORTH

SITE COPY

FLOOR PLAN NOTES

1. FLOOR PLANS MAY NOT INCLUDE TOTAL OF ALL REQUIRED WORK. REFER TO CONSULTANT DRAWINGS FOR POTENTIAL WORK IN OTHER AREAS.
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7. ALL PARTITIONS SCHEDULED TO RECEIVE ACOUSTICAL INSULATION SHALL BE CONSIDERED ACOUSTICAL PARTITIONS AND SHALL BE CONSTRUCTED AND CAULKED AS SPECIFIED.

FLOOR PLAN SYMBOLS

ROOM NAME 101 150 SF — ROOM NAME WITH NUMBER

1 — PARTITION TYPE TAG - SEE PARTITION TYPE LEGEND

NON-RATED PARTITION

101 — DOOR TAG - SEE DOOR SCHEDULE

1L — WINDOW TAG - SEE WINDOW SCHEDULE

00 / A7.60 / 007 / 00 — ELEVATION VIEW LOCATION REFERENCE; SHEET WHERE VIEW IS LOCATED

KEYNOTES

KEY	DESCRIPTION

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Tulalip, WA 98271

PERMIT SET

FLOOR PLAN - PHASE 2

ISSUANCE

No.	Description	Date
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2	PERMIT SET	07/16/2026

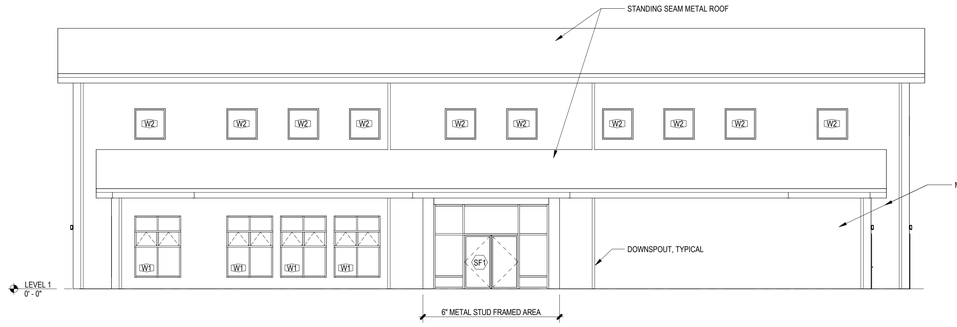
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PROJECT LEAD:	DC
DRAWN BY:	DC LK JY

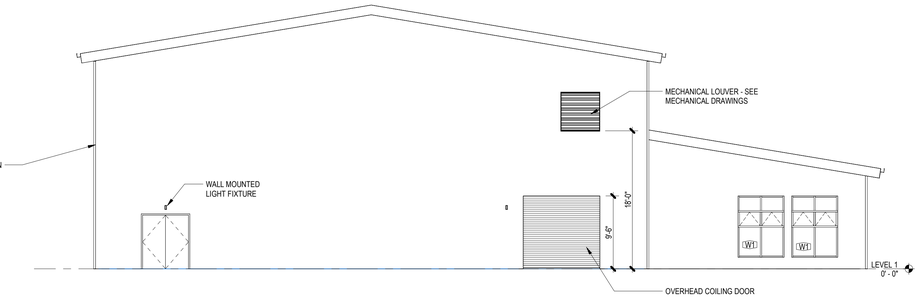
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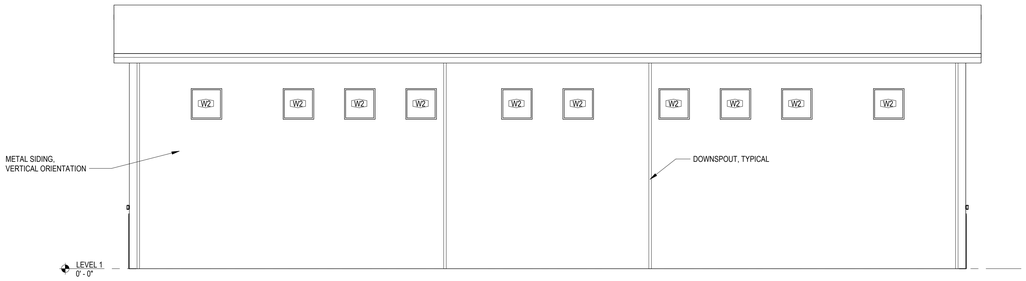
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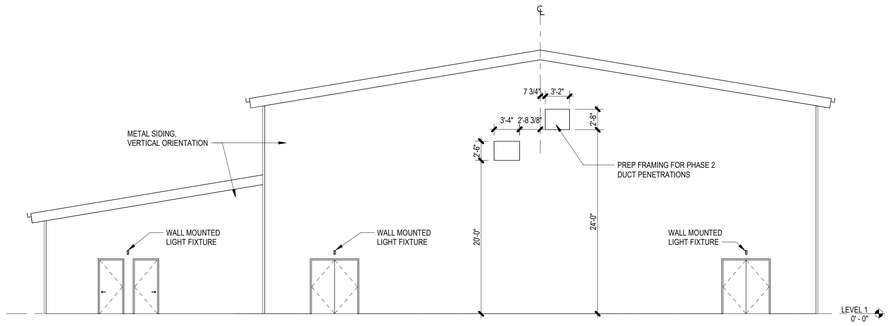
1 EAST ELEVATION
1/8" = 1'-0"



2 SOUTH ELEVATION
1/8" = 1'-0"



3 WEST ELEVATION
1/8" = 1'-0"



4 NORTH ELEVATION
1/8" = 1'-0"

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PERMIT SET

EXTERIOR ELEVATIONS

ISSUANCE

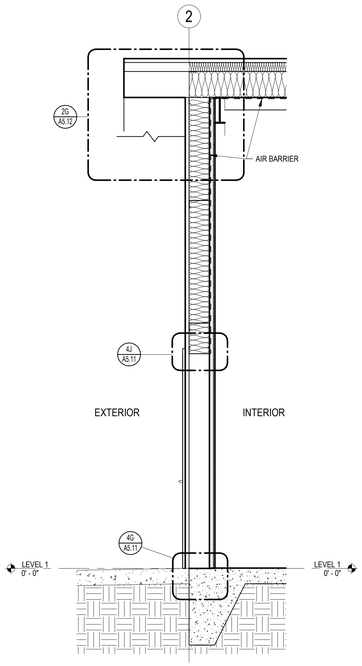
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2	PERMIT SET	07/16/2026

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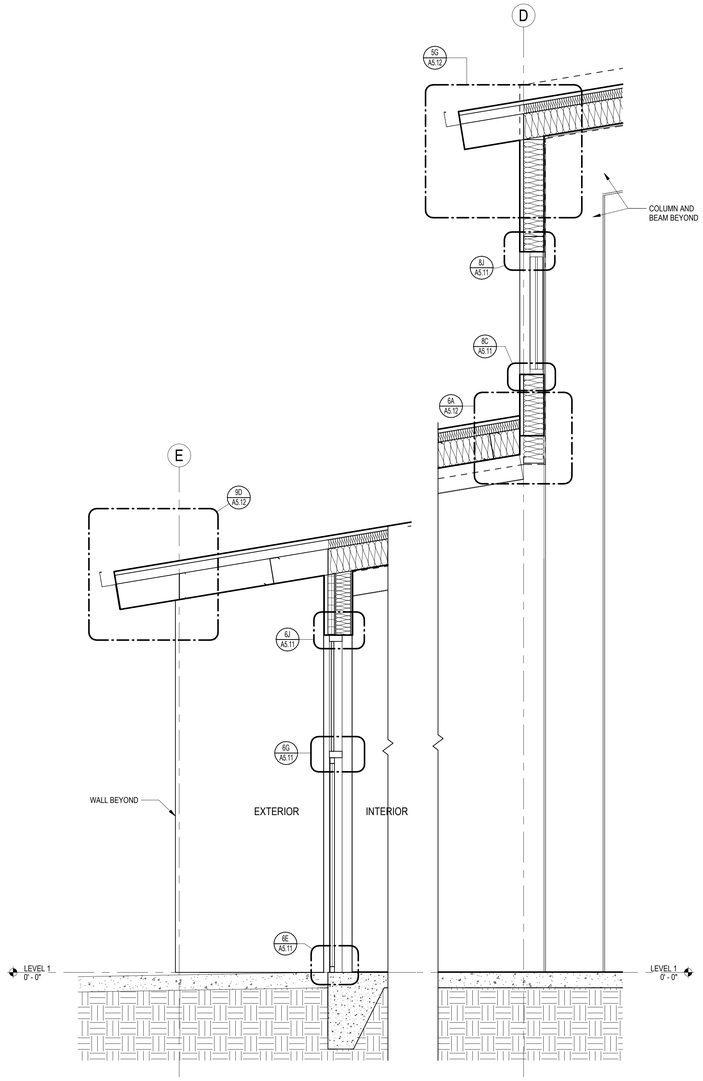
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PROJECT LEAD:	DC
DRAWN BY:	DC LK JY

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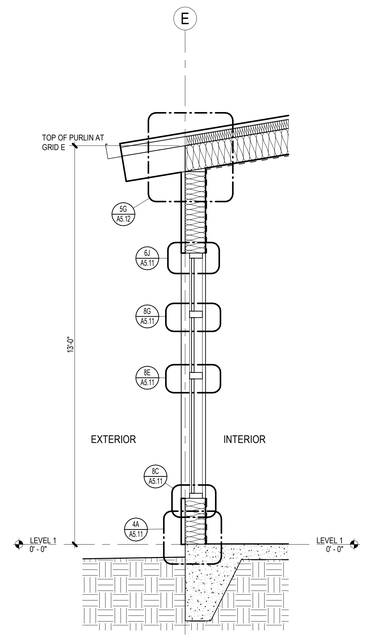
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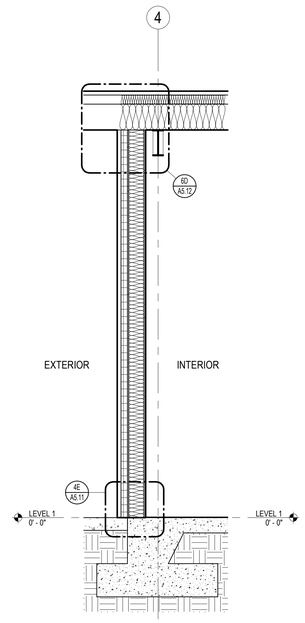
1 TYPICAL EXTERIOR WALL SECTION AT DOOR
1/2" = 1'-0"



2 WALL SECTION AT LOW ROOF
1/2" = 1'-0"



3 TYPICAL EXTERIOR WALL SECTION AT WINDOW
1/2" = 1'-0"



4 WALL SECTION ADJACENT TO STOREFRONT
1/2" = 1'-0"

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PERMIT SET

WALL SECTIONS

ISSUANCE

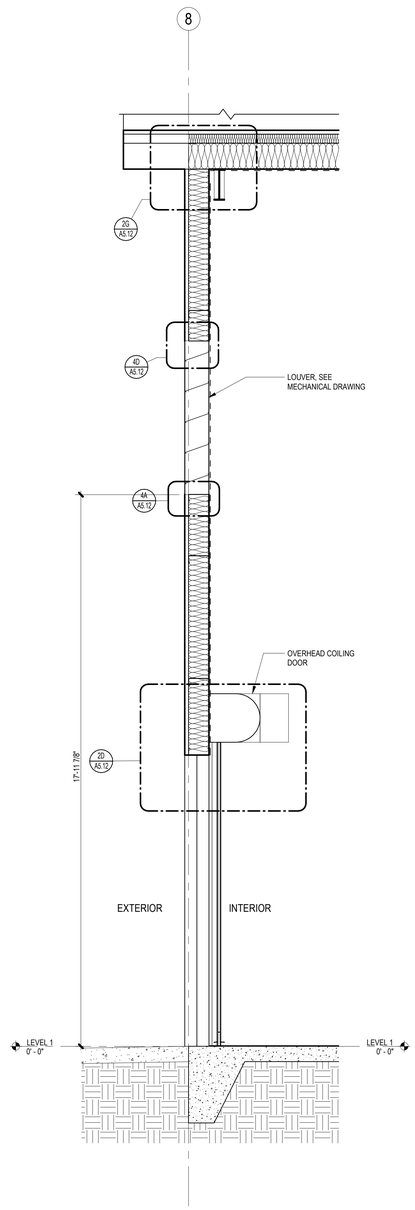
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2	PERMIT SET	07/16/2026

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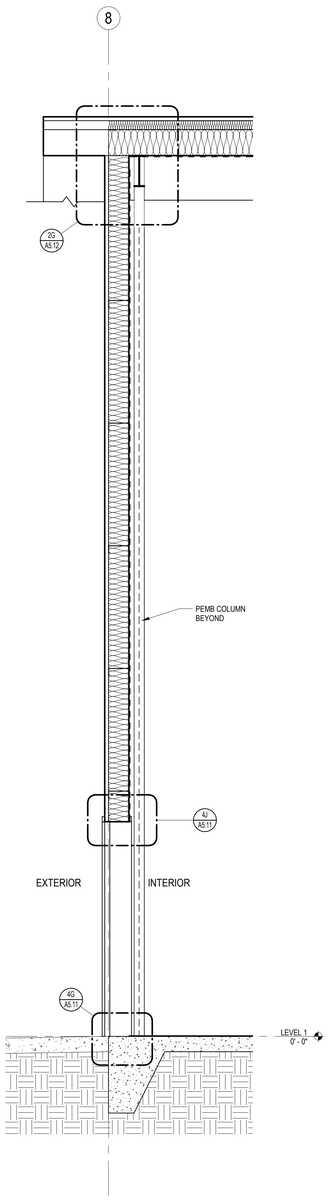
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DRAWN BY:	DC LK

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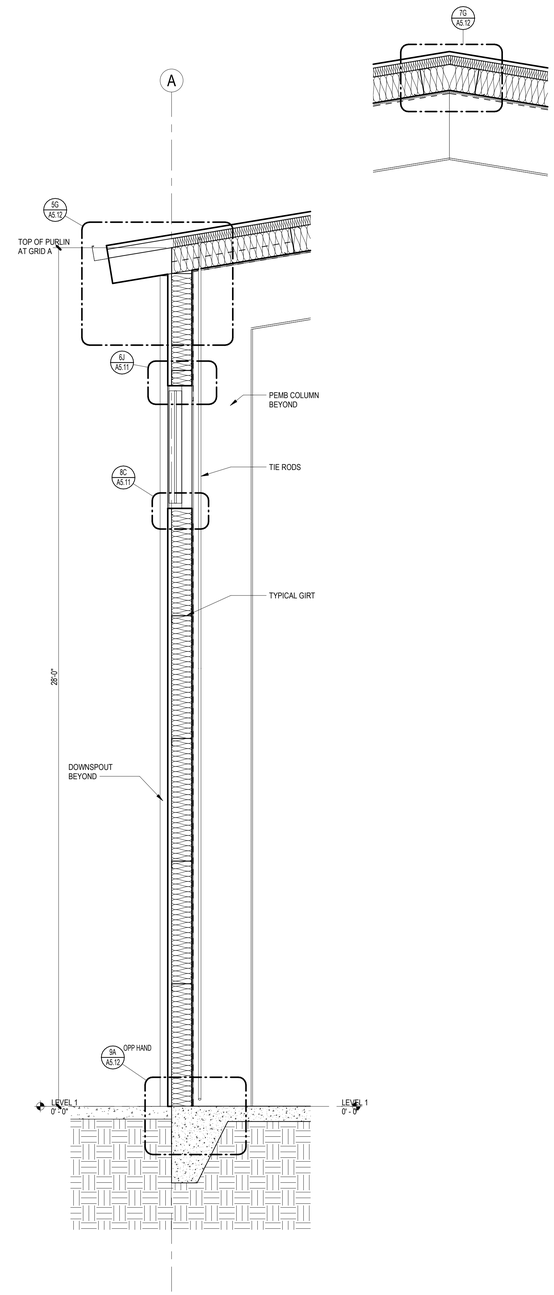
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7/16/2026 1:52:57 PM



1 TYPICAL EXTERIOR WALL SECTION AT COILED DOOR
1/2" = 1'-0"



2 TYPICAL EXTERIOR WALL SECTION @ DOOR
1/2" = 1'-0"



3 TYPICAL EXTERIOR WALL AT WINDOW AND RIDGE
1/2" = 1'-0"

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PERMIT SET

WALL SECTIONS

ISSUANCE

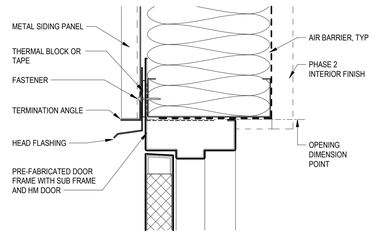
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2	PERMIT SET	07/16/2026

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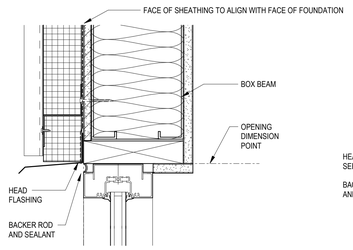
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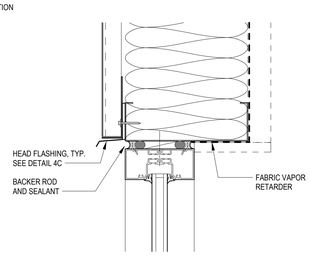
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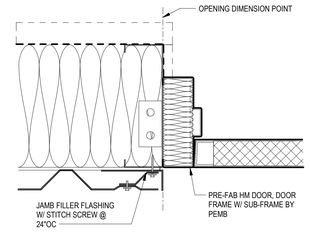
4J ENTRY DOOR AT HEAD
3" = 1'-0"



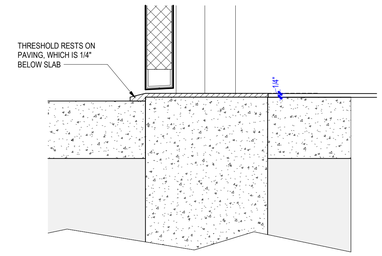
6J STOREFRONT HEAD AT MAIN ENTRY
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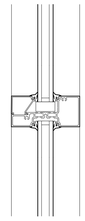
8J STOREFRONT HEAD
3" = 1'-0"



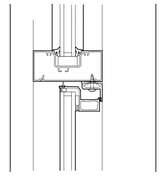
10J ENTRY DOOR AT JAMB
3" = 1'-0"



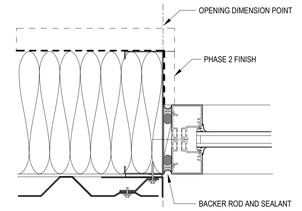
4G ENTRY DOOR AT GRADE
3" = 1'-0"



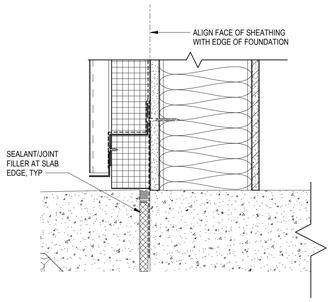
6G STOREFRONT AT MULLION
3" = 1'-0"



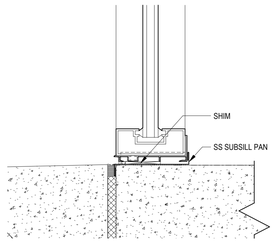
8G OPERABLE WINDOW HEAD
3" = 1'-0"



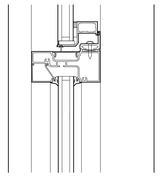
10G STOREFRONT AT JAMB
3" = 1'-0"



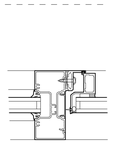
4E WALL SECTION AT GRAGE AT MAIN ENTRY
3" = 1'-0"



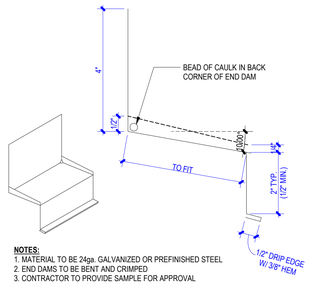
6E STOREFRONT AT GRADE
3" = 1'-0"



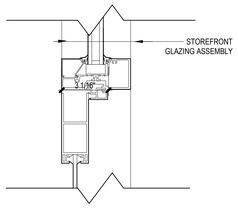
8E OPERABLE WINDOW SILL
3" = 1'-0"



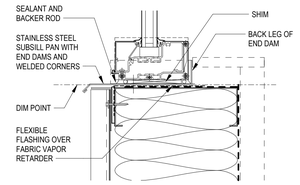
10E OPERABLE WINDOW AT JAMB
3" = 1'-0"



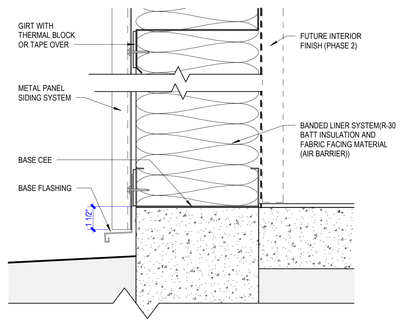
4C TYP. HEAD FLASHING @ WINDOWS & DOORS
6" = 1'-0"



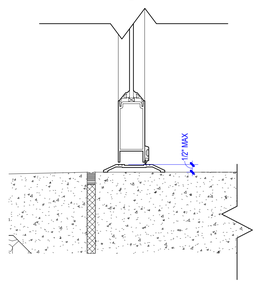
6C STOREFRONT DOOR HEAD
3" = 1'-0"



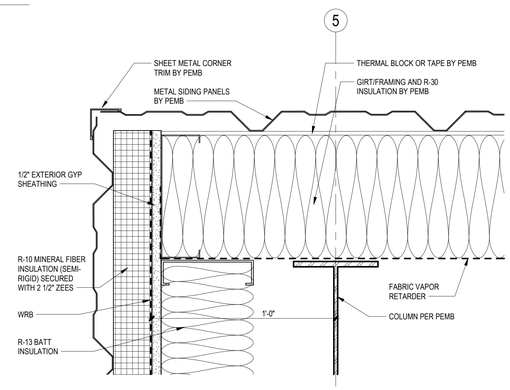
8C STOREFRONT SILL
3" = 1'-0"



4A WALL SECTION AT GRADE
3" = 1'-0"



6A STOREFRONT DOOR AT GRADE
3" = 1'-0"



10A WALL CORNER PLAN DETAIL
3" = 1'-0"

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3626 REGISTERED ARCHITECT L. KENT GREGORY STATE OF WASHINGTON

Reviewed for
Building Code Compliance for
Tulalip Tribes
By BHC Consultants:
Phil Cecere
09/17/2026
Permit # BP 2026-026
TELA Gym Phase 1

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET

EXTERIOR DETAILS

ISSUANCE

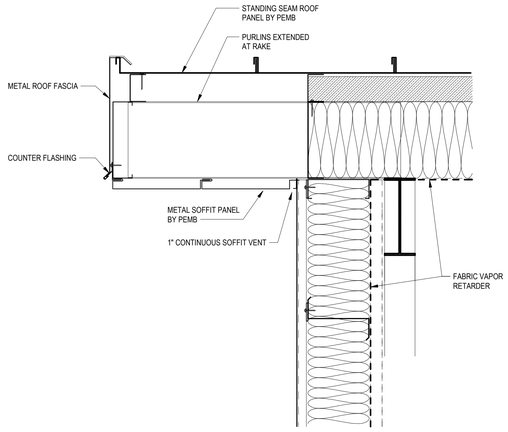
No.	Description	Date
1	PRICING SET	05/06/2026
2	PERMIT SET	07/16/2026

PROJECT INFORMATION

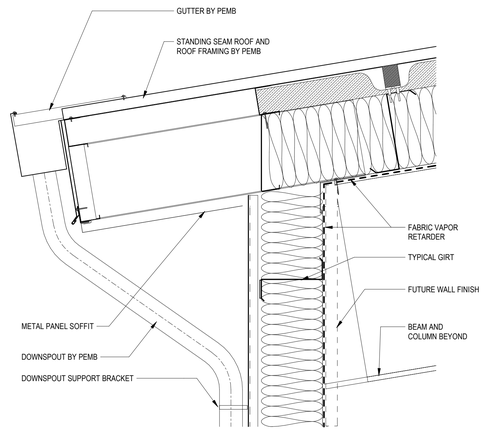
PROJECT NUMBER:	25076
PROJECT LEAD:	DC
DRAWN BY:	DC LK JY

SHEET NO
A5.11

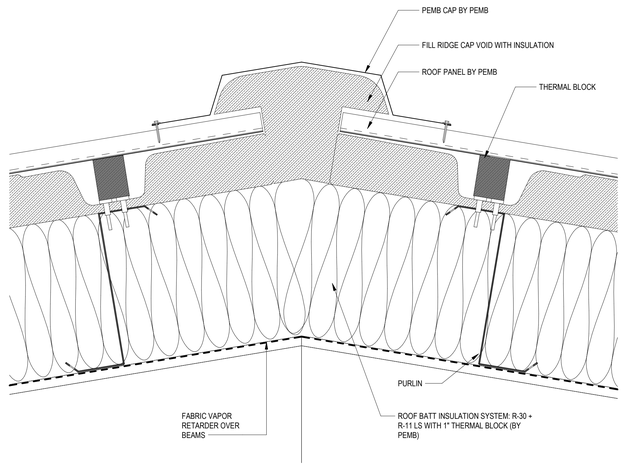
7/16/2026 1:52:58 PM Autodesk Docs://25076 JTM Design Build TELA gym/25076 JTM Design Build TELA Gym.rvt



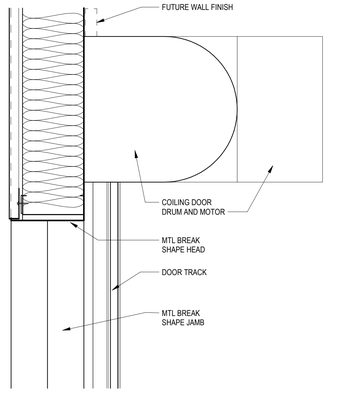
2G ROOF RAKE EXTENSION
1 1/2" = 1'-0"



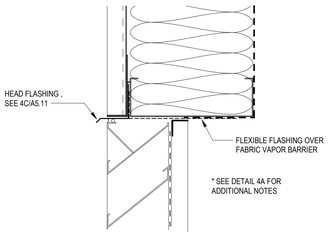
5G ROOF EAVE EXTENSION
1 1/2" = 1'-0"



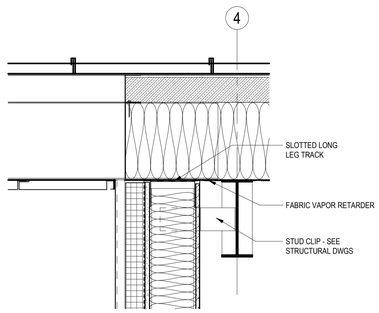
7G ROOF RIDGE DETAIL
3" = 1'-0"



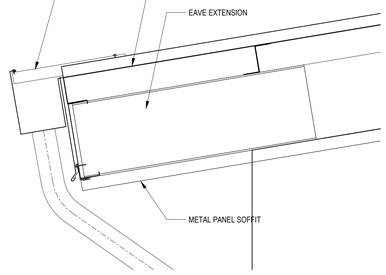
2D COILING DOOR HEAD
1 1/2" = 1'-0"



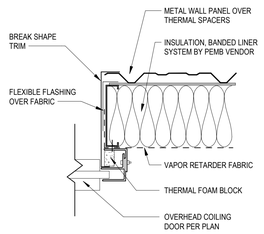
4D LOUVER HEAD
3" = 1'-0"



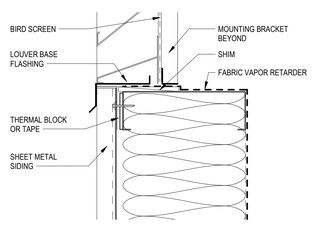
6D WALL TO ROOF AT ENTRY
1 1/2" = 1'-0"



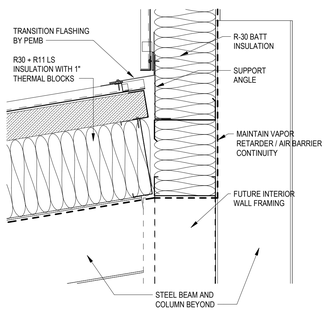
9D EAVE AT MAIN ENTRY
1 1/2" = 1'-0"



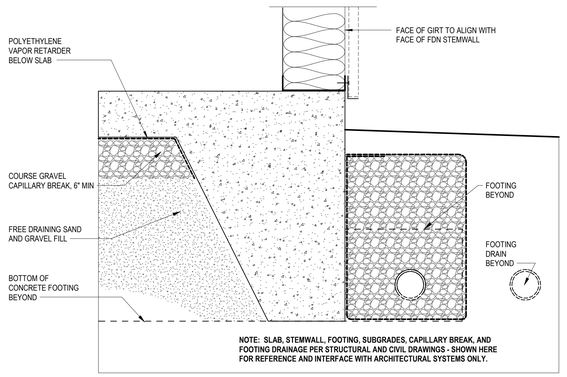
2A OVERHEAD COILING DOOR JAMB
1 1/2" = 1'-0"



4A LOUVER SILL
3" = 1'-0"



6A WALL SECTION AT LOWER ROOF
1 1/2" = 1'-0"



9A SECTION AT TYPICAL FDN & STEMWALL
1 1/2" = 1'-0"

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3626 REGISTERED ARCHITECT L. KENT GREGORY STATE OF WASHINGTON

Reviewed for
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TELA Gym Phase 1

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET

EXTERIOR DETAILS

ISSUANCE

No.	Description	Date
1	PRICING SET	05/06/2026
2	PERMIT SET	07/16/2026

PROJECT INFORMATION

PROJECT NUMBER:	25076
PROJECT LEAD:	DC
DRAWN BY:	DC LK JY

SHEET NO
A5.12

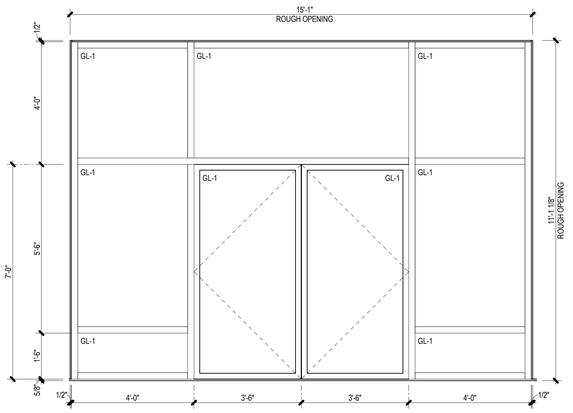
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DOOR SCHEDULE

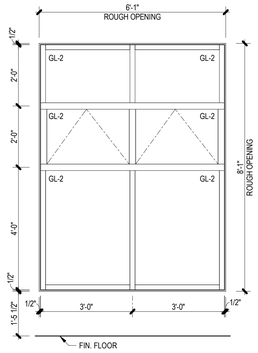
DOOR NO.	ROOM NAME	WIDTH	HEIGHT	WxH	TYPE	MATERIAL	FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HARDWARE TYPE	CLOSER	CR	COMMENTS
100A	SHELLED SPACE	7' - 0"	7' - 0"	7' - 0" x 7' - 0"	SH	ALUM	CLEAR ANODIZED		ALUM	CLEAR ANOD	ENTRANCE/PANIC	Yes	Yes	
100B	SHELLED SPACE	10' - 0"	11' - 6"	10' - 0" x 11' - 6"	OHD	STEEL	PAINT	_	STL	PAINT	FACTORY LOCK	No	No	ELECTRIC OPERATED
100C	SHELLED SPACE	6' - 0"	7' - 0"	6' - 0" x 7' - 0"	F	HM	PAINT	A	HM	PAINT	PANIC	Yes	Yes	DOOR AND HARDWARE BY PEMB VENDOR
100D	SHELLED SPACE	6' - 0"	7' - 0"	6' - 0" x 7' - 0"	F	HM	PAINT	A	HM	PAINT	PANIC	Yes	Yes	DOOR AND HARDWARE BY PEMB VENDOR
100E	SHELLED SPACE	6' - 0"	7' - 0"	6' - 0" x 7' - 0"	F	HM	PAINT	A	HM	PAINT	PANIC	Yes	Yes	DOOR AND HARDWARE BY PEMB VENDOR
101	IT	3' - 0"	7' - 0"	3' - 0" x 7' - 0"	F	WD	PAINT	A	HM	PAINT	STOREROOM	Yes	Yes	
102	ELEC	3' - 0"	7' - 0"	3' - 0" x 7' - 0"	F	HM	PAINT	A	HM	PAINT	STOREROOM	Yes	Yes	
103	SPRINKLER	3' - 0"	7' - 0"	3' - 0" x 7' - 0"	F	HM	PAINT	A	HM	PAINT	STOREROOM	Yes	No	

DOOR, HARDWARE, AND WINDOW NOTES

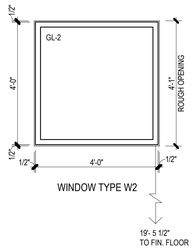
1. PRIOR TO FABRICATION, FIELD VERIFY ALL DIMENSIONS.
2. REFER TO PROJECT MANUAL AND DOOR SCHEDULE FOR HARDWARE SETS.
3. SMOKE RATED DOORS SHALL NOT BE UNDERCUT IN EXCESS OF THE CLEARANCE PERMITTED IN ACCORDANCE WITH NFPA 80.
4. ALL DOOR TYPES ARE SHOWN AS SINGLE PANEL, WHETHER SINGLE OR DOUBLE. SEE PLANS FOR ACTUAL CONFIGURATION AND SWING OF DOORS.
5. ALL STILE SIZES, RAIL SIZES, LITE SIZES, AND LITE DETAILS SHALL BE PER STEEL DOOR INSTITUTE (SDI) STANDARDS, UNO.
6. AT STOREFRONT DOORS, ALL STILE SIZES, RAIL SIZES, AND RAIL LOCATIONS SHALL BE PER THE MANUFACTURER'S STANDARD MEDIUM-STILE DOOR, UNO.
7. ALL GLAZING IN DOOR LITES AND SIDE LITES SHALL BE 1/4" TEMPERED GLASS AND SHALL BE WIRE-FREE FIRE GLASS WHERE DOOR IS REQUIRED TO BE FIRE-RATED.
8. WHERE A DOOR IS LOCATED IN AN ACCOUSTICALLY RATED WALL, PROVIDE ACOUSTICAL INSULATION IN DOOR FRAME ON ALL SIDES.



STOREFRONT TYPE SF1



WINDOW TYPE W1



GLAZING TYPE	
GL-1	1" CLEAR INSULATED SAFETY GLASS
GL2	1" CLEAR INSULATED GLASS

1E STOREFRONT & WINDOW TYPE
1/2" = 1'-0"

DOOR TYPE LEGEND



F FLUSH (HINGED)

N NARROW GLASS-LITE

SH STOREFRONT (HINGED)

DOORS LISTED BELOW ARE NOT ILLUSTRATED

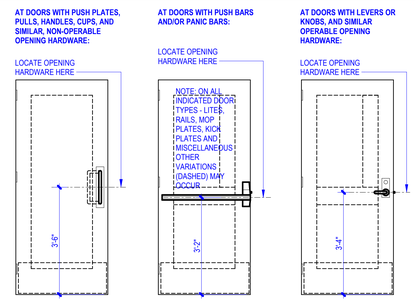
OHD OVERHEAD COILING DOOR

FRAME TYPE LEGEND

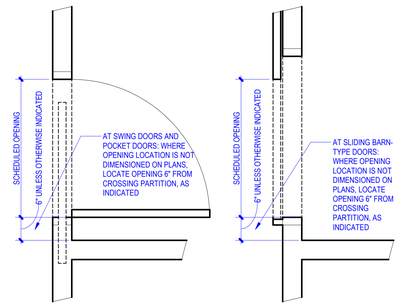


A DOOR ONLY

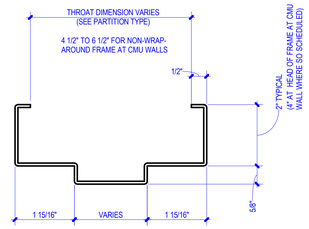
DOOR-HARDWARE LOCATIONS

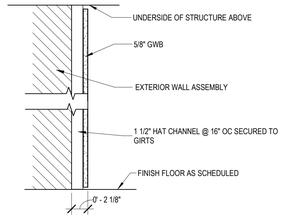


LOCATION OF DOORS ON FLOOR PLANS

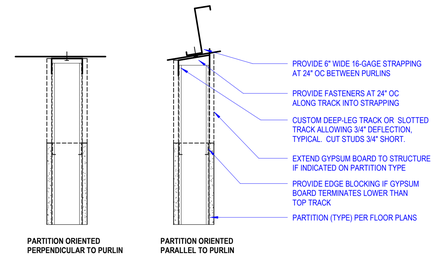


FRAME PROFILES

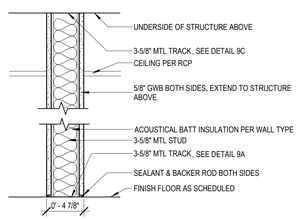




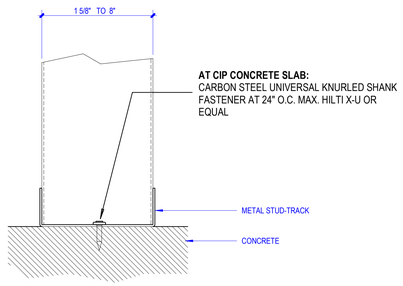
7C TYPE H4 - NR FURR_1 1/2" HAT CH_FULL HEIGHT
1 1/2" = 1'-0"



9C UNRATED PTN-HEAD TO NO-FP METAL ROOF STRUCTURE
1 1/2" = 1'-0"



7A TYPE A1 - NR_3-5/8"MTL_FULL HEIGHT
1 1/2" = 1'-0"



9A PARTITION FLOOR-TRACK FASTENING @ CONC
6" = 1'-0"

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PERMIT SET

DOOR & FRAME LEGEND AND DETAILS

ISSUANCE

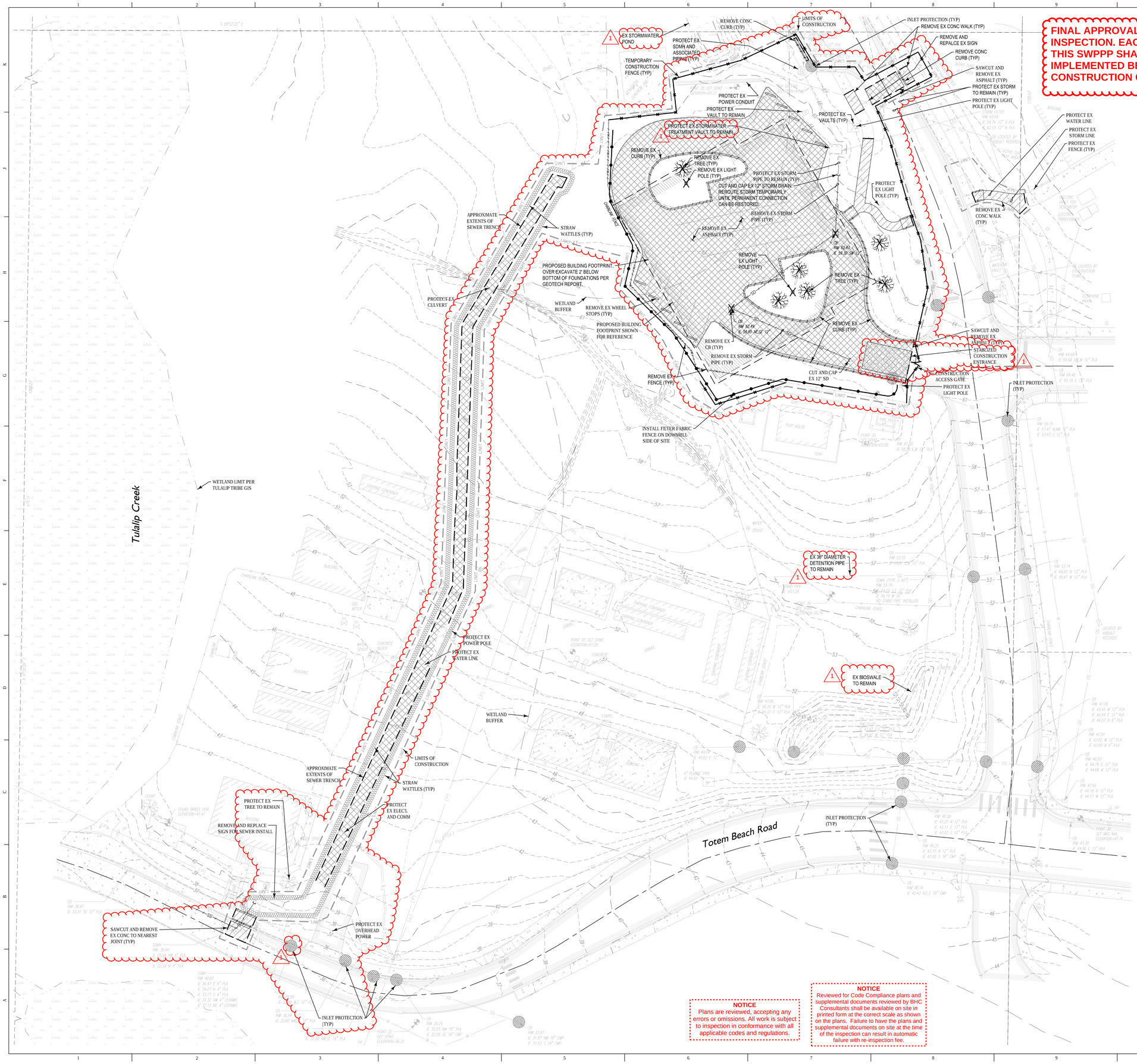
No.	Description	Date
1	PRICING SET	05/06/2026
2	PERMIT SET	07/16/2026

PROJECT INFORMATION

PROJECT NUMBER:	25076
PROJECT LEAD:	DC
DRAWN BY:	DC LK JY

SHEET NO
A6.30

7/16/2026 1:52:58 PM Autodesk Docs://25076 JTM Design Build TELA Gym.rvt



Call before you Dig. 8-1-1 or 1-800-424-5555 UNDERGROUND SERVICE (USA)

0 10 20 40

SCALE 1"=20'

Legend

- WETLAND
- SAWCUT LINE
- REMOVE CURBING
- REMOVE ASPHALT PAVEMENT
- REMOVE CONCRETE PAVEMENT
- DEMOLISH BUILDING
- CONSTRUCTION ENTRANCE
- REMOVE TREE(S)
- FENCING
- CABLE TV SERVICE
- ELECTRICAL SERVICE
- ELECTRICAL JBOX/VAULT
- GAS MAIN/SERVICE
- GAS METER/VALVE
- IRRIGATION LINE
- OVERHEAD POWER
- FIBER OPTIC LINE
- SANITARY SEWER
- SANITARY MH/CO
- STEAM LINE
- STORM DRAINAGE PIPE
- YD/CO/CB/CB 2/MH
- TELEPHONE SERVICE
- TELEPHONE BOX
- WATER MAIN
- FH/FDC/PIV/VALVE

Legend

- PROPERTY LINE (N 79°33'06" E – 46.81')
- LIMITS OF CONSTRUCTION
- INTERCEPTOR SWALE
- FILTER FABRIC FENCING (3/C105)
- TEMPORARY CONSTRUCTION FENCING (4/C105)
- STRAW WATTLES (2/C105)
- TEMPORARY CONSTRUCTION GATE
- EXCAVATION SIDE SLOPE
- BOTTOM OF EXCAVATION
- INLET PROTECTION (1/C105)

T.E.S.C. NOTES:

1. THE TESC MEASURES SHOWN ON THIS PLAN ARE REPRESENTATIVE OF ONLY ONE POSSIBLE TESC PLAN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL TESC MEASURES NEEDED DURING ALL PHASES TO MEET THE REQUIREMENTS OF THE JURISDICTION HAVING AUTHORITY. ALL COSTS FOR MEETING THE REQUIREMENTS SHALL BE INCLUDED IN THE BASE BID.
2. INLET SEDIMENT PROTECTION SHALL BE PROVIDED AT ALL EXISTING CATCH BASINS WITHIN & ADJACENT TO WORK AREAS
3. BLOWING DUST SHALL BE PREVENTED. WATER TRUCK SHALL BE ON SITE AND OPERATIONAL AS NECESSARY.
4. STORMWATER RUNOFF WITH TURBIDITY EXCEEDING 25 NTU OR PH EXCEEDING 8.5 STANDARD UNITS SHALL NOT BE ALLOWED TO BE DISCHARGED FROM THE PROJECT SITE. CONSULT CSWPPP AND CONTRACTOR EMPLOYED CESCL FOR BENCHMARKS, MONITORING, REPORTING AND REMEDIATION REQUIREMENTS.
5. NO SEDIMENT SHALL BE TRACKED ONTO ADJACENT PAVED SURFACES. CONTRACTOR SHALL PROVIDE STREET SWEEPING PROMPTLY IF SEDIMENT TRACKING HAS OCCURRED.
6. ALL DISTURBED SURFACES SHALL BE COVERED WITH PLASTIC SHEETING, STRAW MULCH, HYDROSEED, OR CRUSHED SURFACING.
7. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS, INCLUDING TURBIDITY AND PH MONITORING
8. CONTRACTOR SHALL ADJUST THE EROSION CONTROL MEASURES TO THE PROPOSED GRADING LIMITS.

Parcel ID: 30042/200300900

TOTAL DISTURBED AREA: 0.60 AC
PROPOSED NEW/REPLACED IMPERVIOUS AREA: 0.36 AC

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Stamp

STEVEN SEIBERT — STATE OF WASHINGTON — 37080 — REGISTERED PROFESSIONAL ENGINEER
08/25/26

COUGHLINPORTERLUNDEEN
STRUCTURAL CIVIL SEISMIC ENGINEERING
1191 SECOND AVENUE, SUITE 1100, SEATTLE, WA 98101
(206) 343-0460
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Tulalip Tela Gym

7607 Totem Beach Road
Marysville, WA 98271

Permit Set

Demolition and TESC Plan

ISSUANCE

No.	Description	Date
1	Grading Permit Resubmittal	08/05/2026
2	Grading Permit Resubmittal	08/25/2026

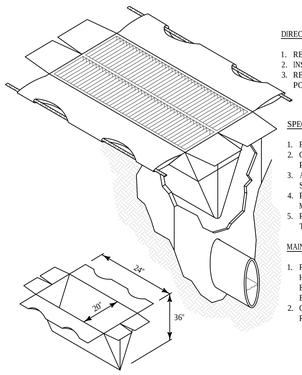
PROJECT INFORMATION

PROJECT NUMBER:	C26010
PROJECT LEAD:	JJS
DRAWN BY:	PRW
	DOH CRS #1234
	PERMIT #1234

SHEET NO

C100

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DIRECTIONS FOR USE

1. REMOVE DRAIN GRATE
2. INSERT FILTER
3. REPLACE GRATE TO HOLD IN POSITION

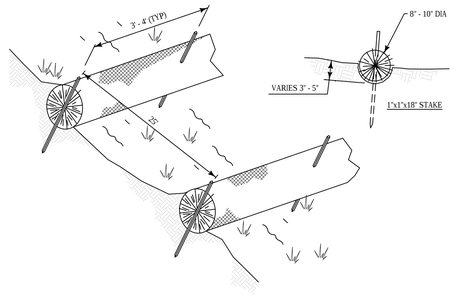
SPECIFICATIONS

1. FILTERS TO BE A MIN 3' DEEP
2. CONSTRUCTED OF WOVEN POLYPROPYLENE
3. ALL SEAMS DOUBLE STITCHED
4. PERMEABILITY - 40 GAL PER MIN / SQ FT
5. REUSEABLE OR THROW-AWAY

MAINTENANCE

1. REMOVE WHEN FILLED TO HALFWAY MARK USE FRONT END LOADER OR OTHER EQUIPMENT FOR REMOVAL
2. CLEAN AND REUSE OR REPLACE

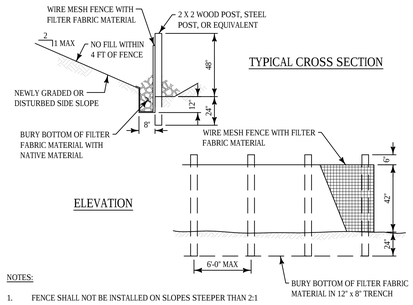
NTS 1 Catch Basin Sediment Filter



NOTES:

1. STRAW WATTLE/ROLL SHALL BE MANUFACTURED FROM RICE STRAW AND WRAPPED IN TUBULAR PLASTIC NETTING. NETTING SHALL HAVE A STRAND THICKNESS OF 0.03" AND A KNOT THICKNESS OF 0.055 AND A WEIGHT OF 0.35 OZ PER FOOT AND SHALL BE MADE FROM 85% HDPE, 14% ETHYL VINYL ACETATE AND 1% COLOR FOR UV INHIBITION.
2. STRAW WATTLE/ROLL INSTALLATION REQUIRED THE PLACEMENT AND SECURE STAKING OF THE WATTLE/ROLL IN A TRENCH, 3"-5" (VARIES) DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND WATTLE/ROLL.
3. STRAW WATTLE/ROLLS MUST BE PLACED ALONG SLOPE CONTOURS.

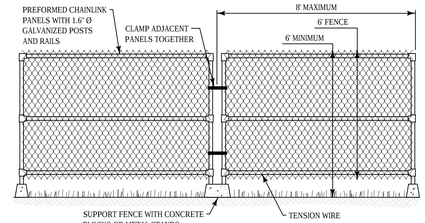
NTS 2 Straw Wattle/Roll Detail



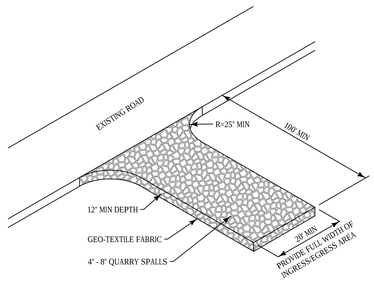
NOTES:

1. FENCE SHALL NOT BE INSTALLED ON SLOPES STEEPER THAN 2:1
2. JOINTS IN FILTER FABRIC SHALL BE OVERLAPPED 6 INCHES AT POST
3. USE STAPLES, WIRE RINGS, OR EQUIVALENT TO ATTACH FABRIC TO WIRE FENCE
4. REMOVE SEDIMENT WHEN IT REACHES 1/3 FENCE HEIGHT

NTS 3 Silt Fence



NTS 4 Temporary Chain Link Fence



1 Stabilized Construction Entrance NTS 5

NTS 6 Not Used

NTS 7 Not Used

NTS 8 Not Used

NTS 9 Not Used

NTS 10 Not Used

NTS 11 Not Used

NTS 12 Not Used

Reviewed for
Tulalip Tribe of Indians Civil Compliance
By BHC Consultants: driely-gibbons
09/02/2026
Project Name: TELA Gym Civil Grading Work
BHC Project Number: 25-30187.01 207

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08/25/26

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Permit Set

TESC DETAILS

ISSUANCE

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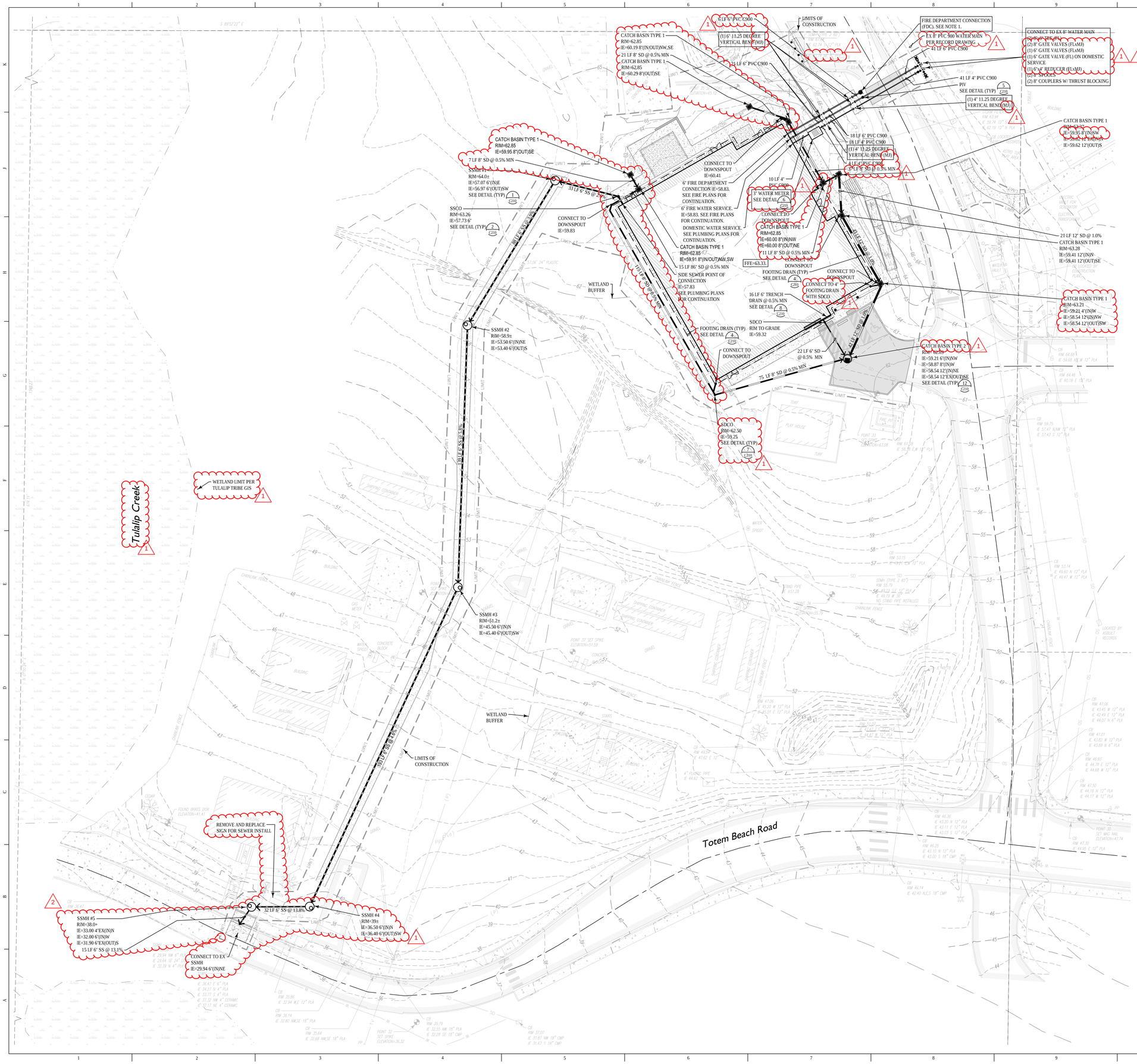
PROJECT INFORMATION

PROJECT NUMBER:	C26010
PROJECT LEAD:	JJS
DRAWN BY:	PRW
	DOH CRS #1234
	PERMIT #1234

SHEET NO

C110

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Call before you Dig. 8-1-1
or 1-800-424-5555
UNDERGROUND SERVICE (USA)

0 10 20 40
SCALE 1"=20'

Legend

- PROPERTY LINE
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- GRAVEL
- CONCRETE CURB
- SANITARY SEWER
- SANITARY MH/CO
- STORM DRAINAGE PIPE
- FOOTING DRAIN
- YD/CO/CB/CB 2/MH
- WATER MAIN
- FH/FDC/PIV/VALVE
- WATER VAULT/METER
- CONTOUR (INDEX)
- CONTOUR

NOTES:

1. FDC PER WASHINGTON STATE FIRE CODE AND NFPA REQUIREMENTS. COORDINATE INSTALLATION AND PRODUCT DETAILS WITH FIRE PROTECTION ENGINEER AND FIRE DEPARTMENT PRIOR TO ORDERING MATERIAL.
2. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH TULALIP UTILITIES DISTRICT STANDARDS.
3. ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE TULALIP UTILITIES DISTRICT.
4. THE CONTRACTOR SHALL NOTIFY THE UNDERGROUND UTILITIES LOCATING CENTER AT 811 48 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO VERIFY LOCATION OF EXISTING CULVERTS AND UNDERGROUND UTILITIES.
5. TESTING SHALL BE SET FORTH BY THE TULALIP UTILITIES DISTRICT.
6. CONSTRUCTION ACCEPTANCE WILL BE SUBJECT TO AN INSPECTION AND APPROVAL BY TULALIP UTILITIES DISTRICT.
7. WATER PIPE DIAMETER BETWEEN 4" AND 8" SHALL BE PVC 900 AND CONFORM TO THE REQUIREMENTS OF ANSI/AWWA C900 CLASS 150 SPECIFICATIONS. PVC PIPE SHALL HAVE THE SAME OUTSIDE DIMENSIONS AS DUCTILE IRON. PIPE DIAMETER 3" AND SMALL SHALL BE PVC SCH 40 AND CONFORM TO THE PIPE MANUFACTURER'S REQUIREMENTS.
8. FITTINGS SHALL BE CLASS D, CAST IRON, SHORT BODY CONFORMING TO AWWA C1101 WITH JOINT TYPE TO BE APPROVED BY TULALIP UTILITIES BEFORE INSTALLATION. TAPPING SLEEVES SHALL BE CAST IRON TO FIT THE PIPE BEING TAPPED WITH A FLANGED BRACED OF THE SIZE SPECIFIED. TAPPING SLEEVES SHALL BE IOWA, MUELLER OR EQUAL.
9. ALL WATER PIPE SHALL HAVE A MINIMUM OF 3' OF COVER AND A MAXIMUM OF 6' OF COVER.

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Tulalip Tribe of Indians Civil Compliance
By BHC Consultants: driely-gibbons
09/02/2026
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Permit Set

Drainage and Utilities Plan

ISSUANCE

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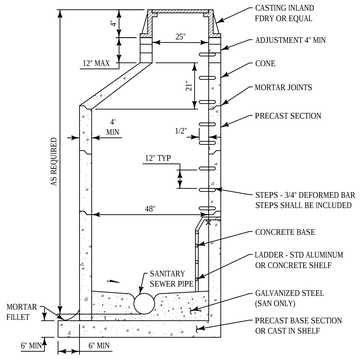
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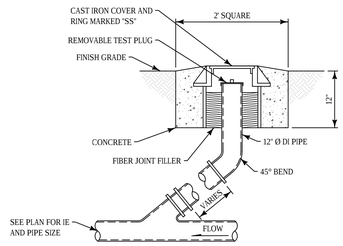
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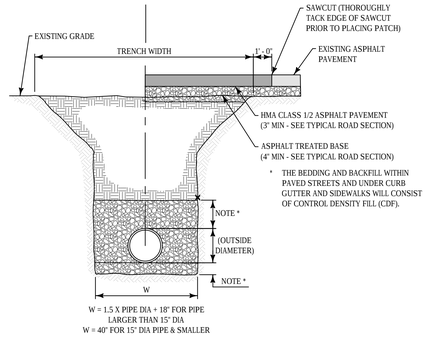
NTS

Sanitary Sewer Manhole 1



NTS

Sanitary Sewer Cleanout 2

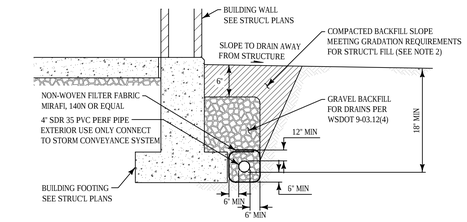


* THE BEDDING AND BACKFILL WITHIN PAVED STREETS AND UNDER CURB GUTTER AND SIDEWALKS WILL CONSIST OF CONTROL DENSITY FILL (CDF).

W = 1.5 X PIPE DIA + 18" FOR PIPE LARGER THAN 15" DIA
W = 40" FOR 15" DIA PIPE & SMALLER

NTS

Sewer Trench Detail 3



NOTES:

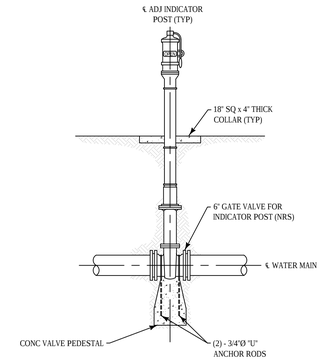
1. SEE ARCHITECTURAL PLANS FOR DRAINAGE GRAVEL BENEATH BUILDING SLAB.
2. STRUCTURAL FILL SHOULD CONSIST OF WELL-GRADED GRANULAR SOIL WITH NOT MORE THAN 5% FINES (BY WEIGHT BASE ON 3/4" PORTION) PASSING NO. 200 SIEVE (BY WEIGHT SIEVING) WITH NO PLASTIC FINES.
3. BACKFILL WITHIN 18" OF WALL SHOULD BE COMPACTED WITH HAND-OPERATED EQUIPMENT. HEAVY EQUIPMENT SHOULD NOT BE USED FOR BACKFILL, AS SUCH EQUIPMENT OPERATED NEAR THE WALL COULD INCREASE LATERAL EARTH PRESSURES AND POSSIBLY DAMAGE THE WALL.
4. ALL BACKFILL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 6" LOOSE THICKNESS AND DENSELY COMPACTED. BENEATH PAVED OR SIDEWALK AREAS, COMPACT TO AT LEAST 95% MODIFIED PROCTOR MAXIMUM DENSITY (ASTM: D1557). OTHERWISE COMPACT TO 90% MINIMUM

SUBDRAIN PIPE:

1. 4" MINIMUM DIAMETER PERFORATED OR SLOTTED PIPE; TIGHT JOINTS; SLOPED TO DRAIN (6"/100' MIN SLOPE); PROVIDE CLEAN-OUTS
2. PERFORATED PIPE HOLES (3/16" TO 1/4" Ø) TO BE IN LOWER HALF OF THE PIPE WITH LOWER QUARTER SEGMENT UNPERFORATED FOR WATER FLOW.
3. SLOTTED PIPE TO HAVE 1/8" MAXIMUM WIDTH SLOTS

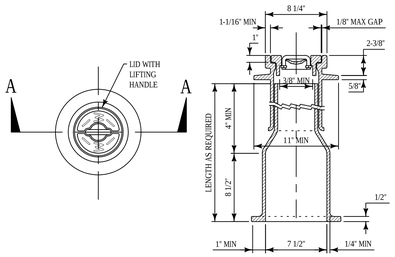
NTS

Exterior Footing Drain W/Filter Fabric Wrap 4



NTS

Post Indicator Valve Detail 5

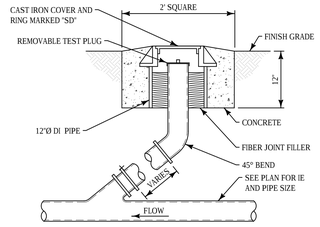


PLAN VIEW

SECTION A-A

NTS

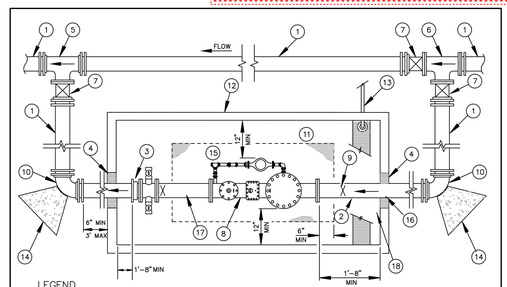
Water Line Valve Box 6



NTS

Storm Drain Cleanout 7

Reviewed for
Tulalip Tribe of Indians Civil Compliance
By BHC Consultants: driely-gibbons
09/02/2026
Project Name: TELA Gym Civil Grading Work
BHC Project Number: 25-30187.01 207



LEGEND

1. DUCTILE IRON PIPE.
2. DUCTILE IRON PIPE (PExFL).
3. MEGA FLANGE.
4. NON-SHRINK GROUT.
5. TEE (MJxFL) W/MEGA LUGS.
6. TEE (FL) W/(FLxMJ) ADAPTOR.
7. GV (FLxMJ W/MEGA LUG).
8. METER ASSEMBLY SEE NOTES.
9. PIPE SUPPORT
10. 90 DEGREE BEND (ALL MJ W/MEGA LUGS).
11. L.W. (H-20 WHERE TRAFFIC LOADED) SHOCK ABSORBING CYLINDER ASSISTED LIDS (OR EQUAL) APPROVED BY DISTRICT.
12. UTILITY VAULT CO PRECAST VAULT. VAULT SHALL HAVE 2-COATS OF ASPHALTIC SOLUTION, GALVANIZED LADDER W/ LADDER-UP SAFETY POST.
13. 4" GRAVITY SUMP DRAIN EXTEND TO DAYLIGHT OR STORM DRAINAGE SYSTEM.
14. CONC THRUST BLOCK SEE STD DRAWING 301.
15. FLANGE SPOOL WITH TWO 2" TEST OUTLETS & 2" BALL CORPS 2-1/2" NST MALE ADAPTOR W/CAPS.
16. STRAIGHT LENGTH OF PIPE EQUIVALENT TO 6 TIMES PIPE DIAMETER FROM 90 DEG BEND TO FLANGE OF METER
17. FLANGE SPOOL LENGTH TO BE 6 TIMES DIAMETER OF PIPE
18. 6" PVC OR EQUAL DRAIN. SLOPE TO DAYLIGHT OR TIE INTO STORM DRAIN SYSTEM. ONLY WITH DISTRICT WRITTEN APPROVAL INSTALL ZOELLER SUBMERSIBLE SUMP PUMP 3/10 HP MODEL NO. M53-D OR GCS AUTOMATIC SUMP DRAIN EJECTOR ASSY MODEL #996633-51-2.

NOTES

1. MINIMUM VAULT INSIDE HEIGHT SHALL BE 78".
2. METER SHALL BE NEPTUNE PROTECTUS AND HAVE A 6" MINIMUM CLEARANCE BETWEEN FLOOR AND LOWEST PART OF METER.
3. MINIMUM CLEARANCE BETWEEN METER AND TOP OF VAULT SHALL BE 36".
4. MINIMUM CLEARANCE BETWEEN METER AND SIDE WALL SHALL BE 12".
5. PIPING SHALL BE COATED WITH 1-COAT OF RUST RED PRIMER AND 2-COATS SAFETY BLUE ENAMEL.
6. PIPING AND VALVES SHALL BE SUPPORTED BY "STAND-ON" PIPE SUPPORTS (OR APPROVED EQUAL). THE NUMBER OF AND PLACEMENT OF SUPPORT STANDS TO BE DETERMINED BY THE ENGINEER ACCORDING TO SIZE OF PIPE AND METER.
7. METER SHALL BE EQUIPPED W/T-10 REMOTE READS. READER PADS SHALL BE MOUNTED TO THE EXTERIOR OF THE VAULT LID.

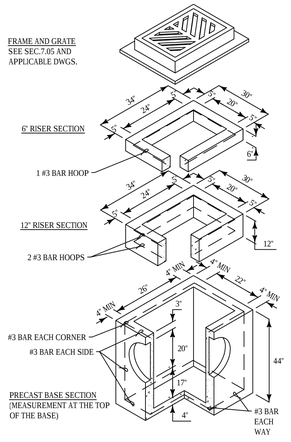
SNOHOMISH COUNTY PUD PUBLIC UTILITY DISTRICT NO 1	METER VAULT FOR 3" AND LARGER	DATE 2021 ENGR MMS	STANDARD 121

NTS

3" Water Meter Installation 9

NOTES:

1. CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C478 (AASHTO M 199) & C890 UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE WSDOT/APWA STANDARD SPECIFICATIONS.
2. AS AN ACCEPTABLE ALTERNATIVE TO REBAR, WELDED WIRE FABRIC HAVING A MIN AREA OF 0.12 SQUARE INCHES PER FOOT MAY BE USED. WELDED WIRE FABRIC SHALL COMPLY TO ASTM A497 (M 221). WIRE FABRIC SHALL NOT BE PLACED IN KNOCKOUTS.
3. ALL REINFORCED CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000.
4. PRECAST BASES SHALL BE FURNISHED WITH THICKNESS CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN ALL PIPE SHALL BE INSTALLED IN FACTORY PROVIDED KNOCKOUTS. UNUSED KNOCKOUTS NEED NOT BE GROUTED IF WALL IS LEFT INTACT.
5. KNOCKOUT OR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAMETER PLUS CATCH BASIN WALL THICKNESS.
6. ROUND KNOCKOUTS MAY BE ON ALL 4 SIDES, WITH MAX DIAMETER OF 20" KNOCKOUTS MAY BE EITHER ROUND OR "D" SHAPE.
7. THE MAX DEPTH FROM THE FINISHED GRADE TO THE PIPE INVERT IS 5'-0".
8. THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION AND RISER SECTION SHALL NOT EXCEED 1/2"/FT.
9. CATCH BASIN FRAME AND GRATE SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATION RR-F-621D. MATING SURFACES SHALL BE FINISHED TO ASSURE NON-ROCKING FIT WITH ANY COVER POSITION.
10. FRAME AND GRATE MAY BE INSTALLED WITH FLANGE DOWN OR CAST INTO RISER.
11. FOR CATCH BASINS IN PARKING LOTS REFER TO WSDOT/APWA STANDARD DWG B1-b.
12. EDGE OF RISER OR BRICK SHALL NOT BE MORE THAN 2' FROM VERTICAL EDGE OF CATCH BASIN.

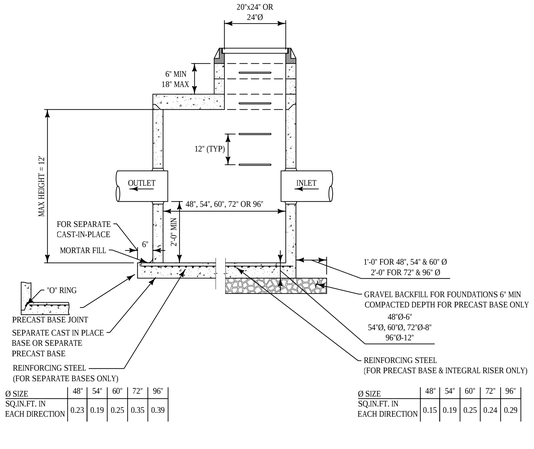


NTS

Catch Basin Type I 11

NOTES

1. CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C478 (AASHTO M199) AND ASTM C890 UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE WSDOT/APWA STANDARD SPECIFICATIONS.
2. HANDHOLDS IN ADJUSTMENT SECTION SHALL HAVE 3" MIN CLEARANCE. STEPS IN CATCH BASIN SHALL HAVE 6" MIN CLEARANCE. SEE DWG NO 2-006, CATCH BASIN DETAILS. HANDHOLDS SHALL BE PLACED IN ALTERNATING GRADE RINGS OR LEVELING BRICK COURSE WITH A MIN OF ONE HANDHOLD BETWEEN THE LAST STEP AND TOP OF THE MANHOLE.
3. ALL REINFORCED CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000. ALL PRECAST CONCRETE SHALL BE CLASS 4000.
4. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE WALL THICKNESS OF 2" MIN UNUSED KNOCKOUTS NEED NOT BE GROUTED IF WALL IS LEFT INTACT. PIPES SHALL BE INSTALLED ONLY IN FACTORY KNOCKOUTS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
5. KNOCKOUT OR CUTOUT HOLE SIZE SHALL EQUAL PIPE OUTER DIAMETER PLUS CATCH BASIN WALL THICKNESS. MAX HOLE SIZE SHALL BE 36" FOR 48" CATCH BASIN, 42" FOR 54" CB, 48" FOR 60" CB, 60" FOR 72" CB, 84" FOR 96" CB MIN DISTANCE BETWEEN HOLES SHALL BE 8" FOR 48", 54", AND 60" CB; 12" FOR 72" AND 96" CB.
6. CATCH BASIN FRAMES AND GRATES OR COVERS SHALL BE IN ACCORDANCE WITH SEC. 7.05 AND MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATION RR-F-621D. MATING SURFACES SHALL BE FINISHED TO ASSURE NON-ROCKING FIT WITH ANY COVER POSITION.
7. ALL BASE REINFORCING STEEL SHALL HAVE A MIN YIELD STRENGTH OF 60,000 PSI AND BE PLACED IN THE UPPER HALF OF THE BASE WITH 1" MIN CLEARANCE.
8. MIN SOIL BEARING VALUE SHALL EQUAL 3,300 POUNDS PER SQUARE FOOT.
9. FOR DETAILS SHOWING LADDER, STEPS, HANDRAILS AND TOP SLABS, SEE DWG NO 2-006.
10. SEE THE WSDOT/APWA STANDARD SPECIFICATIONS SEC. 7-05.3 FOR JOINT REQUIREMENTS.

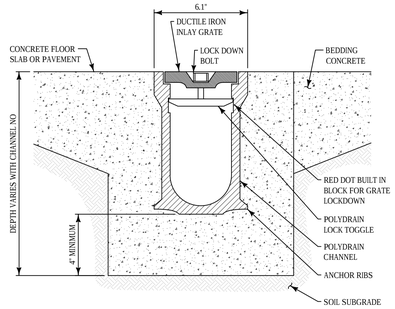


Ø SIZE	48"	54"	60"	72"	96"
SQ.IN.FT. IN EACH DIRECTION	0.23	0.19	0.25	0.35	0.39

Ø SIZE	48"	54"	60"	72"	96"
SQ.IN.FT. IN EACH DIRECTION	0.15	0.19	0.25	0.24	0.29

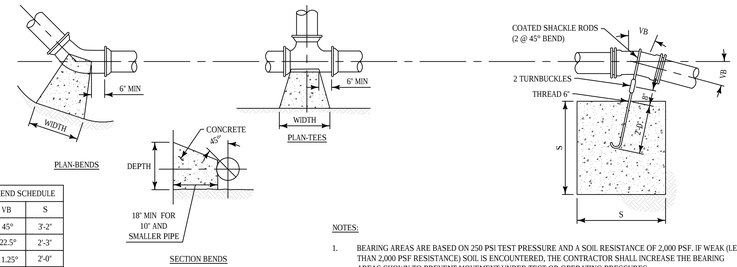
NTS

1 Catch Basin Type 2, 48" 54" 60" 72" 96" 12



NTS

Trench Drain Section 8



VERTICAL BEND SCHEDULE		
PIPE SIZE	VB	S
4"	45°	3'-2"
4"	22.5°	2'-3"
4"	11.25°	2'-0"
6"	45°	4'-2"
6"	22.5°	2'-11"
6"	11.25°	2'-5"
8"	45°	5'-0"
8"	22.5°	3'-8"
8"	11.25°	2'-6"

PIPE SIZE	MIN BEARING AREA (SQ FT)= WIDTHxDEPTH				HYD, TEE, CAP VALVE, PLUG
	90° BEND	45° BEND	22.5° BEND	11.25° BEND	
3"	1.3	0.7	0.4	0.2	0.9
4"	2.3	1.2	0.6	0.3	1.6
6"	5	2.7	1.4	1	3.6
8"	9	5	3	2	7

NOTES:

1. BEARING AREAS ARE BASED ON 250 PSI TEST PRESSURE AND A SOIL RESISTANCE OF 2,000 PSF. IF WEAK (LESS THAN 2,000 PSF RESISTANCE) SOIL IS ENCOUNTERED, THE CONTRACTOR SHALL INCREASE THE BEARING AREAS SHOWN TO PREVENT MOVEMENT UNDER TEST OR OPERATING PRESSURES.
2. THE FOLLOWING PRECAUTIONS MUST BE OBSERVED WHEN CONSTRUCTING THRUST BLOCKS:
   A. BLOCKS MUST BE PORED AGAINST UNDISTURBED SOIL
   B. PIPE JOINT AND BOLTS MUST BE ACCESSIBLE
   C. CONCRETE SHOULD BE CURED FOR AT LEAST 5 DAYS AN SHOULD HAVE A COMPRESSION STRENGTH OF 2,000 LBS AT 28 DAYS.
   A. BLOCKS MUST BE POSITIONED TO COUNTERACT THE DIRECTION OF THE RESULTANT THRUST FORCE.
3. ALL PIPE SHALL BE PROPERLY BEDDED PER STANDARD DETAILS

NTS

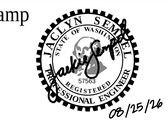
Thrust Blocking Sizing Table 14

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Tulalip Tela Gym

7607 Totem Beach Road
Marysville, WA 98271

Permit Set

DRAINAGE AND UTILITY DETAILS

ISSUANCE

No.	Description	Date
1	Grading Permit Resubmittal	08/05/2026
2	Grading Permit Resubmittal	08/25/2026

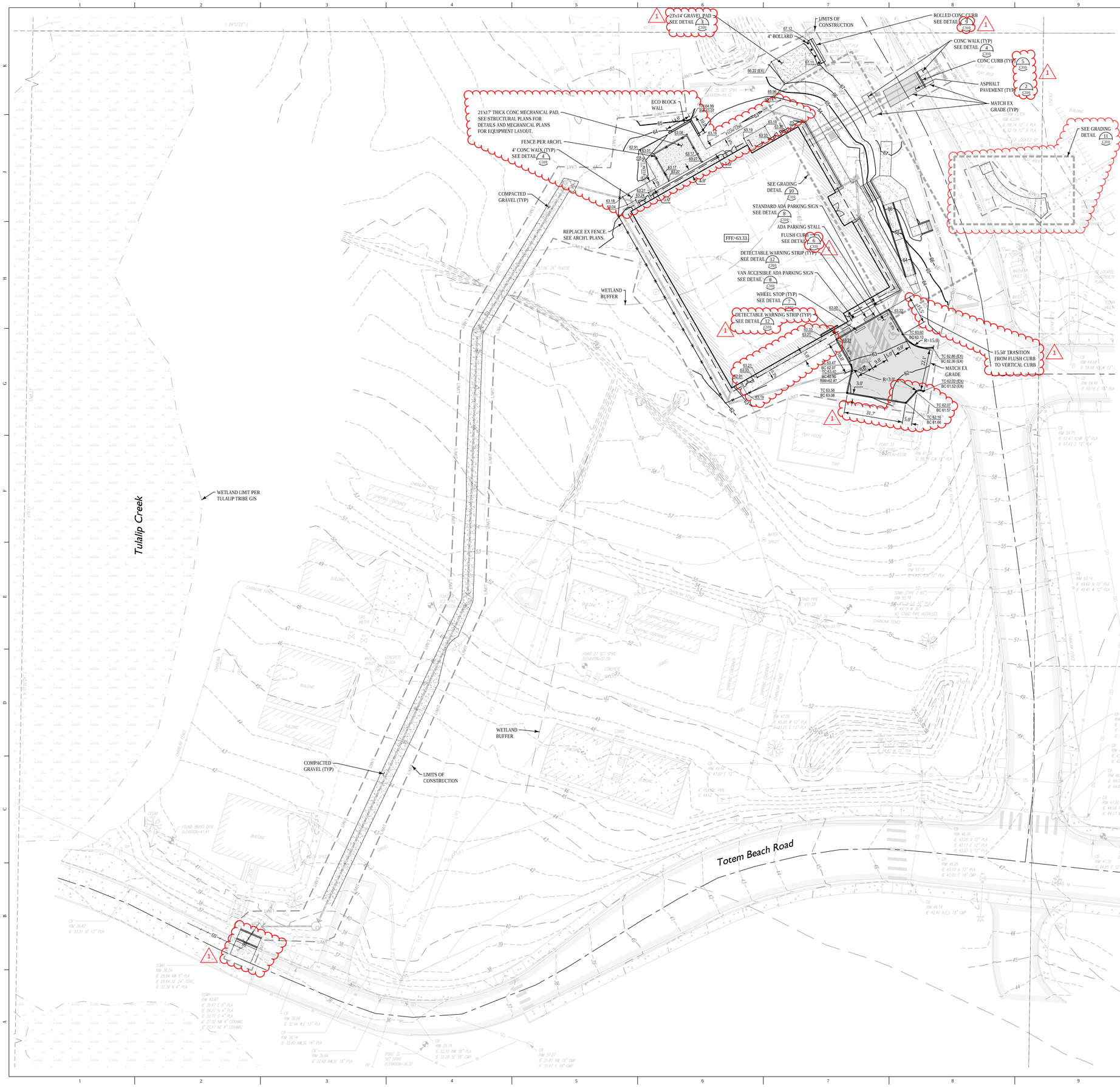
PROJECT INFORMATION

PROJECT NUMBER:	C26010
PROJECT LEAD:	JJS
DRAWN BY:	PRW
	DOH CRS #1234
	PERMIT #1234

SHEET NO

C210

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Call before you Dig. 8-1-1 or 1-800-424-5555 UNDERGROUND SERVICE (USA)

0 10 20 40

SCALE 1"=20'

Legend

- PROPERTY LINE
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- 6" CONCRETE MECHANICAL PAD
- GRAVEL
- CONCRETE RETAINING WALL
- CONCRETE CURB
- SANITARY SEWER
- SANITARY MH/CO
- STORM DRAINAGE PIPE
- YD/CO/CB/CB 2/MH
- WATER MAIN
- FH/FDC/PIV/VALVE
- WATER VAULT/METER
- CONTOUR (INDEX)
- CONTOUR

ABBREVIATIONS:
TC: TOP OF CURB
BC: BOTTOM OF CURB

Reviewed for
Tulalip Tribe of Indians Civil Compliance
By BHC Consultants: driely-gibbons
09/02/2026
Project Name: TELA Gym Civil Grading Work
BHC Project Number: 25-30187.01 207

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Tulalip Tela Gym

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Marysville, WA 98271

Permit Set

Grading and Paving Plan

ISSUANCE

No.	Description	Date
1	Grading Permit Resubmittal	08/05/2026
2	Grading Permit Resubmittal	08/25/2026

PROJECT INFORMATION

PROJECT NUMBER:	C26010
PROJECT LEAD:	EJS
DRAWN BY:	PRW
	DOH CRS #1234 PERMIT #1234

SHEET NO

C300

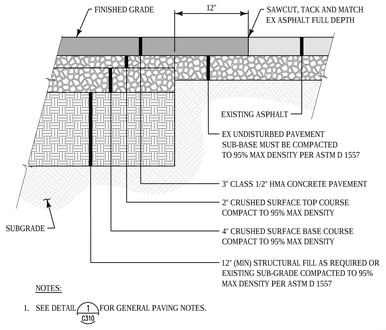
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Reviewed for
Tulalip Tribe of Indians Civil Compliance
By BHC Consultants: driely-gibbons
09/02/2026
Project Name: TELA Gym Civil Grading Work
BHC Project Number: 25-30187.01 207

NOTES:

1. SPECIFICATIONS FOR ALL ASPHALT CONCRETE WORK SHALL BE PER THE LATEST EDITION IN EFFECT OF THE "WASHINGTON STATE DEPT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION."
2. ALL ASPHALT CONCRETE PAVEMENT SHALL BE PLACED IN ACCORDANCE WITH WSDOT/APWA SECTION 5-04, UNLESS OTHERWISE SPECIFICALLY NOTED.
3. PROOF ROLL AND REMOVE ANY SOFT SPOTS. REPLACE REMOVED MATERIAL WITH STRUCTURAL FILL PER THE GEOTECHNICAL ENGINEER. CONTRACTOR SHALL TEST AND VERIFY SUB-GRADE MEETS COMPACTION REQUIREMENTS.
4. CRUSHED SURFACING SHALL BE PLACED IN ACCORDANCE WITH WSDOT/APWA SECTION 4-04, AND SHALL MEET THE REQUIREMENTS OF WSDOT/APWA SECTION 9-03.9(3).
5. AGGREGATE SHALL BE CLASS 1/2" MEDIUM GRADING CONFORMING TO SECTION 9-03.8 OF WSDOT / APWA. ASPHALT BINDER SHALL BE ASPHALT PAVING GRADE AR-4000 AND SHALL COMPLY WITH WSDOT / APWA 9-02.1. ASPHALT MIXING AND PROPORTIONING SHALL COMPLY WITH WSDOT / APWA 9-03.8.
6. SAWCUT FULL DEPTH WHERE NEW PAVEMENT ABUTS EXISTING AND APPLY TACK COAT.

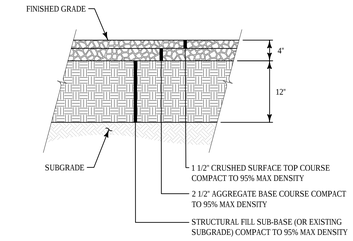
NTS 1
General Paving Notes



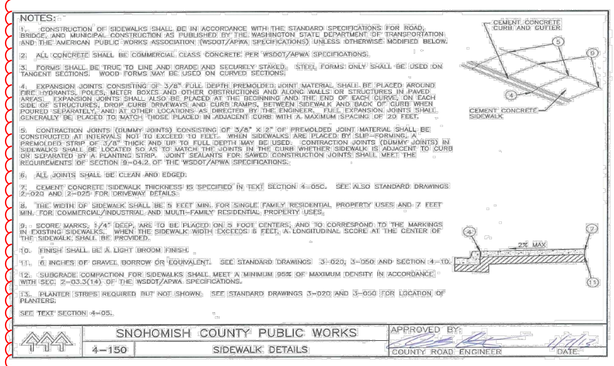
NOTES:

1. SEE DETAIL 1 C310 FOR GENERAL PAVING NOTES.

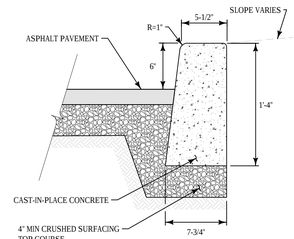
NTS 2
Standard Asphalt Paving Section



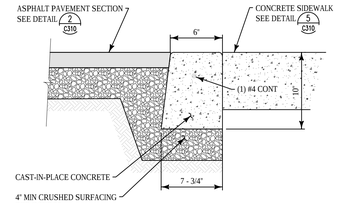
NTS 3
4" Gravel Road Section



NTS 4
Concrete Sidewalk Detail



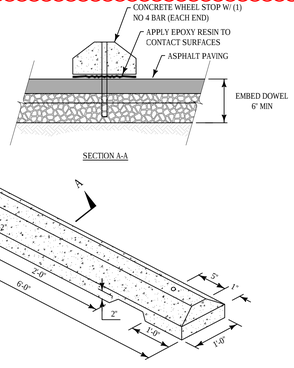
NTS 5
Concrete Vertical Curb



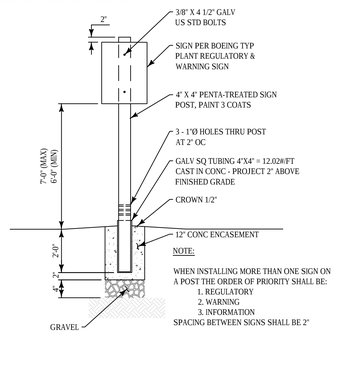
NOTE:

IN AREAS OF INTERIM ATB FINISH CONDITION, THE CURB TO BE INSTALLED IS TO PROVIDE A 6" CURB FACE FOLLOWING FUTURE ASPHALT PAVING. THE INTERIM DIMENSION IS TO BE 9" ON CURB FACE.

NTS 6
Depressed Curb



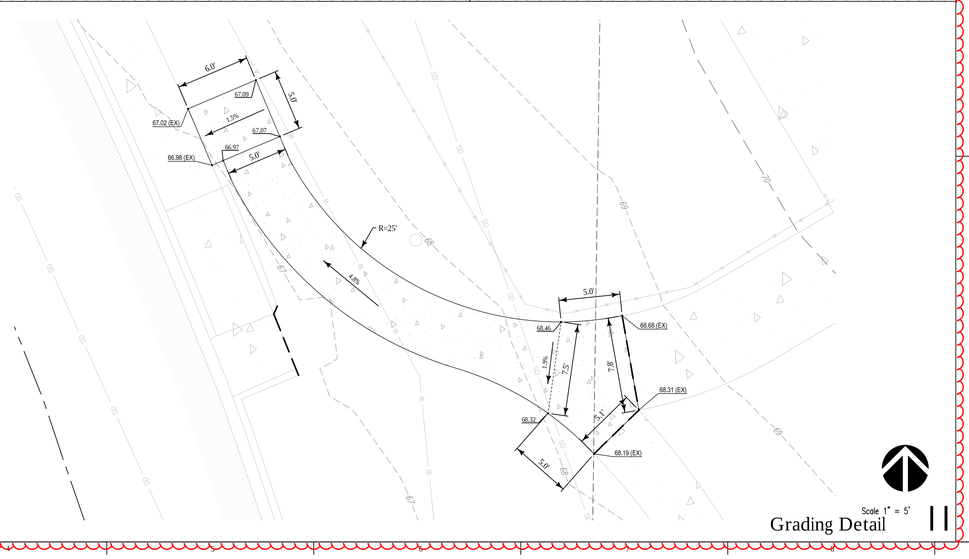
NTS 7
Wheel Stop



NOTE:

WHEN INSTALLING MORE THAN ONE SIGN ON A POST THE ORDER OF PRIORITY SHALL BE:
1. REGULATORY
2. WARNING
3. INFORMATION
SPACING BETWEEN SIGNS SHALL BE 2"

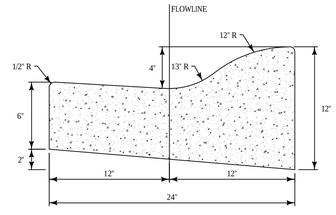
NTS 8
Sign Post

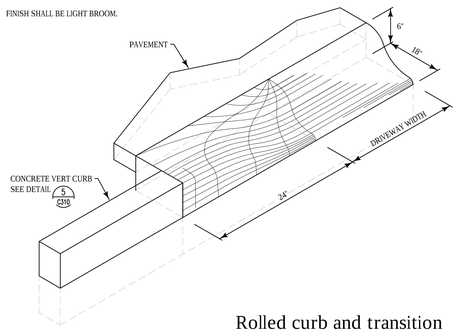


Scale 1" = 5'
Grading Detail 11

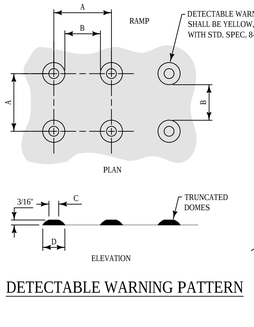
NOTES:

1. FORMS SHALL BE TRUE TO LINE AND GRADE AND SECURELY STAKED.
2. THRU JOINTS SHALL BE PLACED ADJACENT TO CATCH BASINS, INLETS, CURB RETURNS, ALLEYS, OR A MAXIMUM SPACING OF 10 FEET.
3. THRU JOINTS SHALL BE 1/2" WIDE PRE-MOLDED JOINT FILLER.
4. ALL JOINTS SHALL BE CLEAN AND EDGED.
5. CONCRETE SHALL BE CEMENT CONCRETE CLASS 4000.
6. STEEL FORMS ONLY MAY BE USED ON TANGENT SECTIONS, WOOD FORMS MAY BE USED ON CURVED SECTIONS.
7. FINISH SHALL BE LIGHT BROOM.



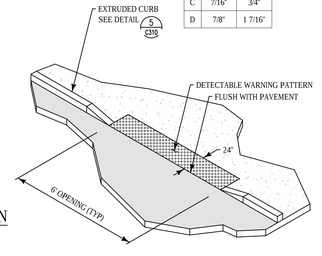


NTS 9
Rolled curb and transition

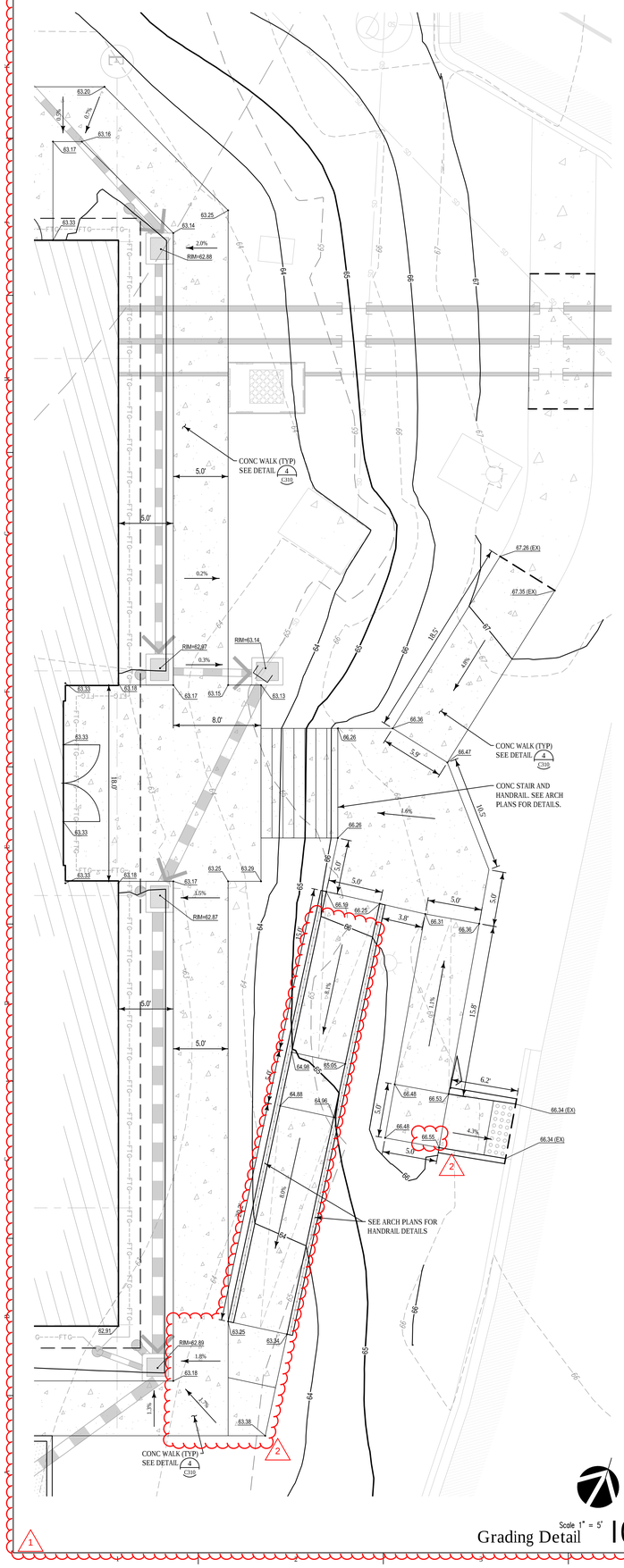


	MIN.	MAX.
A	1 5/8"	2 3/8"
B	5/8"	1 1/2"
C	7/16"	3/4"
D	7/8"	1 7/16"

DETECTABLE WARNING PATTERN



NTS 12
Tactile Warning Strip



Scale 1" = 5'
Grading Detail 10

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Marysville, WA 98271

Permit Set

PAVING DETAILS

ISSUANCE

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2	Grading Permit Resubmittal	08/25/2026

PROJECT INFORMATION

PROJECT NUMBER:	C26010
PROJECT LEAD:	JJS
DRAWN BY:	PRW
	DOH CRS #1234
	PERMIT #1234

SHEET NO
C310

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GENERAL SYMBOLS

- DRAWING REFERENCE ("FLAG") NOTE
- EQUIPMENT IDENTIFIER (XX = ABBREVIATION Y = EQUIPMENT SCHEDULE NUMBER)
- MATCHLINE
- REVISION CLOUD (ENCIRCLES DRAWING CHANGES MADE SINCE THE PREVIOUS RELEASE
- DETAIL IDENTIFICATION NUMBER / DETAIL REFERENCE BUBBLE / SHEET FROM WHICH DETAIL WAS TAKEN FROM
- SECTION IDENTIFICATION NUMBER / WALL SECTION REFERENCE / SHEET FROM WHICH DETAIL WAS TAKEN FROM
- ELEVATION IDENTIFICATION NUMBER / INTERIOR ELEVATION REFERENCE / SHEET FROM WHICH ELEVATION WAS TAKEN FROM
- REVISION REFERENCE
- NORTH REFERENCE

CIRCUITS

- CIRCUIT
- CIRCUIT IN OR UNDER FLOOR OR UNDERGROUND
- EXISTING CIRCUIT
- EXISTING CIRCUIT TO BE REMOVED
- CIRCUIT TURNED DOWN
- CIRCUIT TURNED UP
- CIRCUIT TERMINATION TYPE AS NOTED
- BREAK LINE (FOR DRAWING CLARITY)
- SURFACE METAL RACEWAY (SMR) TYPE AS NOTED
- SURFACE METAL RACEWAY WITH INTEGRAL DEVICES

- HASHMARKS DENOTE No. OF CIRCUIT CONDUCTORS, IF NO HASHMARKS SHOWN PROVIDE 2#12 + EGC UNLESS OTHERWISE NOTED OR SPECIFIED. GROUND CONDUCTOR IG = ISOLATED GROUND D = DEDICATED GROUND
- CIRCUIT DESCRIPTOR: 1"(RACEWAY SIZE), 4 (QTY OF CIRCUIT CONDUCTORS), #8 (AWG SIZE OF CIRCUIT CONDUCTORS), 1#10 EGC (QTY & SIZE OF EQUIPMENT GROUND CONDUCTOR)
- BRANCH CIRCUIT NUMBERS (PHASE A NUMBER ONLY FOR 3 PHASE LOAD)
- PANEL DESIGNATION
- HOMERUN FROM SOURCE OF SUPPLY
- JUNCTION BOX
- JUNCTION BOX (JB), PULL BOX (PB) OR TERMINAL BOX (TB) SIZE AS NOTED
- PULL BOX
- 2-GANG AV BACK BOX, PROVIDE CONDUIT AS SHOWN ON FLOOR PLANS AND PULL STRING.

LIGHTING FIXTURES

- LIGHTING FIXTURE IDENTIFIER
- RECESSED FLUORESCENT FIXTURE (SIZED TO SCALE)
- SURFACE OR PENDANT MOUNTED FLUORESCENT FIXTURE (SIZED TO SCALE)
- WALL MOUNTED FLUORESCENT FIXTURE (SIZED TO SCALE)
- STRIP FLUORESCENT FIXTURE (LENGTH AS SHOWN OR NOTED)
- RECESSED, PENDANT OR SURFACE FIXTURE
- WALL MOUNTED FIXTURE
- WALL WASHER FIXTURE (AIM TOWARD UNSHADED SIDE)
- TRACK MOUNTED FIXTURES, (TRACK LENGTH TO SCALE, FIXTURE QTY AS SHOWN OR NOTED)
- EXIT SIGN, DOUBLE FACE CEILING/PENDANT MOUNTED WITH OR WITHOUT ARROWS AS SHOWN. SHADING INDICATES ILLUMINATED FACE. EMERGENCY TYPE.
- EXIT SIGN, DOUBLE FACE WALL MOUNTED WITH OR WITHOUT ARROWS AS SHOWN. SHADING INDICATES ILLUMINATED FACE. EMERGENCY TYPE
- EXIT SIGN, SINGLE FACE CEILING/PENDANT MOUNTED WITH OR WITHOUT ARROWS AS SHOWN. SHADING INDICATES ILLUMINATED FACE. EMERGENCY TYPE
- EXIT SIGN, SINGLE FACE WALL MOUNTED WITH OR WITHOUT ARROWS AS SHOWN. SHADING INDICATES ILLUMINATED FACE. EMERGENCY TYPE.
- EMERGENCY LIGHT, BATTERY OPERATED
- PATHWAY LIGHTING FIXTURE, EMERGENCY TYPE
- EXISTING FIXTURES (R = NEW LOCATION FOR RELOCATED)
- FLOODLIGHT, WALL MOUNTED (ARROWS INDICATE AIMING)
- FLOODLIGHT, POLE MOUNTED (ARROWS INDICATE AIMING)

- AREA/STREET LUMINAIRE, POLE MOUNTED
- SINGLE AREA/STREET LUMINAIRE, POLE MOUNTED
- LUTRON GRX IRPS WH PARTITION SENSOR PAIR WITH POWER SUPPLY
- LCS — LUTRON SCENE CONTROLLER SG-2BN
- SH — LUTRON 3 BUTTON WINDOW TREATMENT WALLSTATION SG-3WN
- SC — LUTRON 2 BUTTON SCREEN CONTROL SG-2WN
- DIMX2-__ — EMERGENCY DIMMING ZONE, SECOND FLOOR (CENTRALIZED LUTRON SYSTEM)
- DIM2-__ — NORMAL DIMMING ZONE, SECOND FLOOR (CENTRALIZED LUTRON SYSTEM)

SWITCHES & MISCELLANEOUS LIGHTING CONTROLS

- $ — SINGLE POLE SWITCH
- $ — SINGLE POLE SWITCH WITH OCCUPANCY SENSOR
- $ — THREE-WAY SWITCH
- $D — DIMMER SWITCH
- $ OSD — WALL MOUNTED DIMMING OCCUPANCY SENSOR - WATTSTOPPER WD
- $ M — MANUAL MOTOR STARTER (SEE MISC POWER)
- $ T — TIMER SWITCH
- $LV2A1 — LOW-VOLTAGE OVERRIDE SWITCH (RELAY; LCP SECTION; FLOOR)
- a,b,c — MULTIPLE SWITCH STATION; SWITCHLEGS CONTROLLED
- OS 277 IR — CEILING MOUNTED OCCUPANCY SENSOR
- PE — PHOTOCELL - INTERIOR 0-10V OUTPUT TO DIMMING BALLAST. PROVIDE POWER PACK. WATTSTOPPER LS301
- PS — PHOTO SENSOR
- PUSHBUTTON
- PE — PHOTOCELL INTERIOR ECOSYSTEM PART #_____

RECEPTACLES

- SINGLE PHASE RECEPTACLE
  A: L6-20R
  B: L6-30R
  C: L5-20R
  D: L5-30R
- THREE PHASE RECEPTACLE, TYPE AS INDICATED
  E: NEMA L21-20R
  F: NEMA L21-30R
  G: CUSTOM
- DUPLEX RECEPTACLE NEMA 5-20R
- IG — DUPLEX RECEPTACLE NEMA 5-20R, ISOLATED GROUND
- GFCI — DUPLEX RECEPTACLE NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER
- DOUBLE DUPLEX RECEPTACLE
- SPECIAL PURPOSE DUPLEX RECEPTACLE NEMA 5-20R, OPTIONAL STANDBY CIRCUIT
- (T) — DEDICATED CIRCUIT DUPLEX ELECTRICAL RECEPTACLE, MOUNTED ABOVE COUNTER (W/ TIMER IN 4 SQUARE DEEP BOX)
- ABOVE COUNTER RECEPTACLE
- RACEWAY STUB-UP WITH PEDESTAL FITTING AND WIRING DEVICE AS SHOWN
- POKE THRU FITTING WITH FITTING AND WIRING DEVICE AS SHOWN
- FLOOR BOX WITH PEDESTAL FITTING AND WIRING DEVICE AS SHOWN
- FLOOR BOX WITH FLUSH MOUNTED DEVICE
- CEILING-MOUNTED DUPLEX RECEPTACLE, 125V, 15A OPTIONAL STANDBY CIRCUIT WHERE NOTED

MISCELLANEOUS POWER

- EQUIPMENT CONNECTION
- MOTOR CONNECTION
- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH, FRAME AND FUSE SIZE AS SHOWN
- $M — MANUAL MOTOR STARTER, TOGGLE TYPE, WITH THERMAL OVERLOAD DEVICE
- COMBINATION STARTER
- CABINET - TYPE AS INDICATED (SIZE TO SCALE)
- PANELBOARD - 120/208V (SIZE TO SCALE)
- PANELBOARD - 277/480V (SIZE TO SCALE)
- POWER TRANSFORMER KVA AS INDICATED ON ONE LINE DIAGRAM
- GROUND BAR
- EMERGENCY POWER OFF (EPO)
- GROUND BONDING POINT TO STEEL STRUCTURE, REBAR, PIPE, ETC SEE DETAILS
- GROUNDING CONNECTION (TYP AS SHOWN OR NOTED)
- BARE COPPER GROUND CONDUCTOR, SIZE AS SHOWN
- (S) — J-BOX & CONDUIT W/PULL WIRE FOR FUTURE INSTALLATION (S INDICATES SPECIAL RECEPTACLE)
- P — PLUGMOLD @ 40" A.F.F., U.N.O. (RECEPT. MOUNTED @ 12" O.C.)
- POWER POLE LOCATION
- P — PANIC ALARM STATION PUSH BUTTON

MISCELLANEOUS COMMUNICATIONS

SEE T-SERIES DOCUMENTS FOR COMMUNICATIONS

COMMON COMBINATION POWER/COMMUNICATIONS WALL PACK UNITS

J — AV JUNCTION BOX:
- SINGLE GANG JUNCTION BOX FOR AV CABLING
- PROVIDE 1" CONDUIT FROM BOX TO MONITOR ABOVE OR ACCESSIBLE CEILING SPACE DEPENDING ON LOCATION.

1 — 1 PACK: SINGLE ADMIN USER, LOUNGE, RECEPTION
- 5-20R DUPLEX POWER
- SINGLE GANG DATA - (1) CORPNET

2 — 2 PACK: SINGLE DEV USER
- 5-20R DUPLEX POWER
- SINGLE GANG DATA - (1) CORPNET & (1) DEV NET

3 — 3 PACK: PRINTER
- 5-20R DUPLEX POWER
- SINGLE GANG DATA - (2) CORPNET

7 — 7 PACK: AV MONITOR PACK
- 5-20R DUPLEX POWER
- SINGLE GANG DATA - (1) CORPNET
- SINGLE GANG BOX FOR AV CABLING
- MINIMUM 1" CONDUIT PATHWAY FOR AV TO CEILING OR MONITOR

8 — 8 PACK: DOUBLE DEV
- 5-20R DUPLEX POWER; CAN SHARE UP TO (2) PER CIRCUIT
- SINGLE GANG DATA - (2) CORPNET & (2) DEVNET

9 — 9 PACK: 4 DEV USERS
- 5-20R QUAD POWER: DEDICATED CIRCUIT.
- DOUBLE GANG DATA - (4) CORPNET & (4) DEVNET

A — 8" POKE-THRU (TEAM & CONF ROOMS)
- 8" CORE
- WIREMOLD 5ATC EVOLUTION SERIES POKE-THRU
- (2) 5-20R DUPLEX RECEPTACLES
- (3) SINGLE GANG DATA / AV FACEPLATES
- UP TO 12 DATA JACKS (CORP + DEV)
- PROVIDE 1" CONDUIT TO ACCESSIBLE CEILING SPACE FOR AV CABLING

B — 4" POKE-THRU (NEIGHBORHOODS, LOUNGE, LOBBY)
- 4" CORE
- WIREMOLD RC4 SERIES POKE-THRU
- (2) 5-20R DUPLEX RECEPTACLES
- UP TO 4 DATA JACKS (CORP + DEV)

C — 4" POKE-THRU & AV PASS THRU (CONF. OPTION)
- (1) 4" CORE AND (1) 2" CORE
- WIREMOLD RC4 SERIES POKE-THRU
- (2) 5-20R DUPLEX RECEPTACLES
- UP TO 4 DATA JACKS (CORP + DEV)
- PROVIDE CONDUIT FOR AV CABLING TO ACCESSIBLE CEILING SPACE

D — 6" POKE-THRU (NEIGHBORHOODS)
- 6" CORE
- WIREMOLD 5ATC EVOLUTION SERIES POKE-THRU
- (2) 5-20R DUPLEX RECEPTACLES
- UP TO 8 DATA JACKS (CORP + DEV)

E — 4" POKE-THRU FURNITURE FEED (NEIGHBORHOODS)
- 4" CORE
- WIREMOLD RC7 SERIES POKE-THRU
- (1) 3/4" CONDUIT FOR LINE VOLTAGE POWER CABLING.
- (1) 1-1/4" CONDUIT FOR TELE/DATA CABLING.

ONE-LINE AND RISER DIAGRAM SYMBOLS

- EQUIPMENT CONNECTION
- MOTOR CONNECTION
- SWITCH
- SURGE ARRESTER
- SPD — TVSS DEVICE
- CABLE TERMINATION TO BUS
- XXXXAT / YYYYAF — CIRCUIT BREAKER WITH CURRENT LIMITING FUSE
- XX / YY — FUSED SWITCH, XX FUSE AMPS, YY SWITCH AMPS
- CURRENT TRANSFORMER
- M — ELECTRONIC POWER METER/SIEMENS
- K — KEY INTERLOCK
- WM — WATT HOUR METER
- A — AMMETER
- V — VOLTMETER
- Name / KVA Rating / PRIS/SEC V — TRANSFORMER
- XX — PANELBOARD
- MOTOR CONTROL CENTER
- AAA/P — MANUAL TRANSFER SWITCH (AAA = AMPS, P = POLES SWITCHED)
- AAA/P — AUTOMATIC TRANSFER SWITCH (AAA = AMPS, P = POLES SWITCHED)
- BUSWAY WITH END TAP BOX
- XXXXXX — AMPERES FAULT AVAILABLE (SYMMETRICAL)

ABBREVIATIONS

A	AMMETER; AMPERE; AUTOMATIC; PHASE A
AC	ALTERNATING CURRENT; AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AMP	AMPERE
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AWG	AMERICAN WIRE GAGE
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BRKR	BREAKER
BSMT	BASEMENT
C	COMMUNICATIONS; CONDUIT; PHASE C
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CL	CURRENT LIMITING; CENTER LINE
CLG	CEILING
CO	CONDUIT ONLY
COL	COLUMN
COMB	COMBINATION
COMM	COMMUNICATIONS
COMPR	COMPRESSOR
CONN	CONNECTION
CORR	CORRIDOR
CP	CHILD PROOF
CPT	CONTROL POWER TRANSFORMER
CR	CONTROL RELAY
CRT	CATHODE RAY TUBE
CT	CURRENT TRANSFORMER
CU	COPPER
CW	COOL WHITE
D	DEEP
DB	DIRECT BURIAL
DC	DIRECT CURRENT
DIA	DIAMETER
DIAG	DIAGONAL; DIAGRAM
DIM	DIMENSION
DISC	DISCONNECT
DISTR	DISTRIBUTION
DIV	DIVISION
DN	DOWN
DPNL	DISTRIBUTION PANEL
DS	DISCONNECT SWITCH; DOOR STRIKE POWER
DWG	DRAWING
E	ELECTRICAL; EAST
EA	EACH
EC	ELECTRICAL CONDUCTOR
ECB	ENCLOSED CIRCUIT BREAKER
EGC	EQUIPMENT GROUNDING CONDUCTOR
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EP	ELECTRICAL PANEL; EXPLOSION PROOF
EQUIP	EQUIPMENT
EWC	ELECTRICAL WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
F	FAHRENHEIT
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FC	FOOTCANDLE
FIC	FURNISHED AND INSTALLED BY CONTRACTOR
FIG	FIGURE
FIO	FURNISHED AND INSTALLED BY OWNER
FIXTR	FIXTURE
FLA	FULL LOAD AMPERES
FLEX	FLEXIBLE
FLR	FLOOR
FLUOR	FLUORESCENT
FM	FREQUENCY MODULATION
FO	FUEL OIL; FIBER OPTIC
FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
FSD	FIRE SMOKE DAMPER
FT	FOOT; FEET
FTG	FOOTING
FURN	FURNISH
FUT	FUTURE
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL-VOLTAGE REVERSING
G	GROUND
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GFR	GROUND FAULT RELAY
GFS	GROUND FAULT SENSING
GSR	GROUND SENSOR RELAY
GRAP	GENERATOR REMOTE ANNUNCIATOR PANEL
H	HIGH; HEIGHT
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER; HIGH PRESSURE
HPS	HIGH PRESSURE SODIUM
HR	HOUR; HOURS
HTR	HEATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HOT WATER
HZ	HERTZ (CYCLES PER SECOND)
I	IONIZATION
IC	INTERRUPTING CAPACITY
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
IES	ILLUMINATING ENGINEERING SOCIETY
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IN	INCH
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
L	LIGHTING; LONG; LEFT
LF	LINEAL FOOT
LRA	LOCKED ROTOR AMPERES
LTG	LIGHTING
LV	LOW VOLTAGE
M	MONITOR; METER
MAINT	MAINTENANCE
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILS
MECH	MECHANICAL
MED	MEDICAL; MEDIUM
MEZZ	MEZZANINE
MFG	MANUFACTURING
MH	MANHOLE; METAL HALIDE
MIN	MINIMUM; MINUTE
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MM	MILLIMETER
MON	MONITOR; MONUMENT
MTG	MOUNTING
MV	MEDICAL VACUUM, MERCURY VAPOR
N	NEUTRAL; NORTH
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEG	NEGATIVE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NESC	NATIONAL ELECTRICAL SAFETY CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NM	NON-METALLIC
NO	NORMALLY OPEN; NUMBER
OC	ON CENTER
OD	OVERALL DIAMETER; OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ACT
OVHD	OVERHEAD
P	POLE; POWER; PRIMARY; PUMP
PA	PAGING; PUBLIC ADDRESS
PB	PULL BOX; BUSHBUTTON
PCB	POLYCHLORINATED BIPHENYL
PE	PHOTO-ELECTRIC; PNEUMATIC ELECTRIC
PED	PEDESTAL
PF	POWER FACTOR
PL	PILOT LIGHT
PNL	PANEL
POT	POTENTIAL
PP	POWER PANEL; POWER POLE; PUSH PLATE
PRI	PRIMARY
PS	PRESSURE SWITCH
PWR	POWER
QTY	QUANTITY
R	RECEPTACLE; RELAY; RELOCATED
RAD	RADIUS
REF	REFRIGERATOR; REFERENCE
REQD	REQUIRED
RMS	ROOT MEAN SQUARE
RPM	REVOLUTIONS PER MINUTE
RNVR	REDUCED-VOLTAGE NON-REVERSING
1□	SINGLE PHASE
S	SOUTH; SWITCH
SCHED	SCHEDULE; SCHEDULED
SDBC	SOFT DRAWN BARE COPPER
SEC	SECONDARY; SECOND
SF	SAFETY FACTOR
SFD	SMOKE FIRE DAMPER
SPD	SURGE PROTECTION DEVICE
SPEC	SPECIFICATION
SPKR	SPEAKER
SQ	SQUARE
ST	SHUNT TRIP
STA	STATION
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYM	SYMBOL
SYS	SYSTEM
3P	THREE PHASE
T	TELEPHONE; TIME
TA	TELEVISION ANTENNA
TB	TERMINAL BOARD
TC	TELEVISION CONTROL
TCL	TOTAL CONNECTED LOAD
TD	THERMAL DETECTOR
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPERATURE; TEMPORARY
THRU	THROUGH
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
V	VOLT; VOLTMETER
VA	VOLT AMPERE
VM	VOLTMETER
VP	VAPOR PROOF
VFD	VARIABLE FREQUENCY DRIVE
W	WATT; WATTMETER; WEST; WIDE; WIDTH; WIRE
WH	WATTHOUR; WATTHOUR METER; WATER HEATER
WHM	WATTHOUR METER
WM	WATTMETER
WP	WATERPROOF; WEATHERPROOF
WPS	WATER PRESSURE SWITCH
XFMR	TRANSFORMER

REFERENCE

Review limited to compliance with WSEC

NOTICE
TO BE INSPECTED BY WASHINGTON STATE DEPARTMENT OF LABOR AND INDUSTRIES ELECTRICAL DIVISION OR APPLICABLE AHJ FOR ACCEPTANCE

APPLICABLE CODES:
- 2015 IBC WITH WA AMMENDMENTS
- 2015 WASHINGTON STATE ENERGY CODE
- 2023 NATIONAL ELECTRICAL CODE
- REFER TO ARCHITECTURAL FOR OTHERS

ELECTRICAL SHEET INDEX

Sheet Number	Sheet Name	Sheet Order NEW
E-0.00	SYMBOLS & ABBREVIATIONS	
E-0.01	SITE PLAN	
E-1.01	ONE-LINE DIAGRAM	
E-1.02	PANEL SCHEDULES	
E-1.03	LIGHTING SCHEDULES AND ENERGY CODE	
E-2.01	LEVEL 1 POWER & MECH PLAN	
E-3.01	LEVEL 1 LIGHTING PLAN	

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PRELIMINARY: NOT FOR CONSTRUCTION

Gerber Engineering, Inc.
Consulting Electrical Engineers

WALTER A. EVANS — STATE OF WASHINGTON — 22009 — REGISTERED PROFESSIONAL ENGINEER
5-11-27

TULALIP TRIBES TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PHASE 1 BUILDING PERMIT SET RESPONSE 8-26-26

SYMBOLS & ABBREVIATIONS

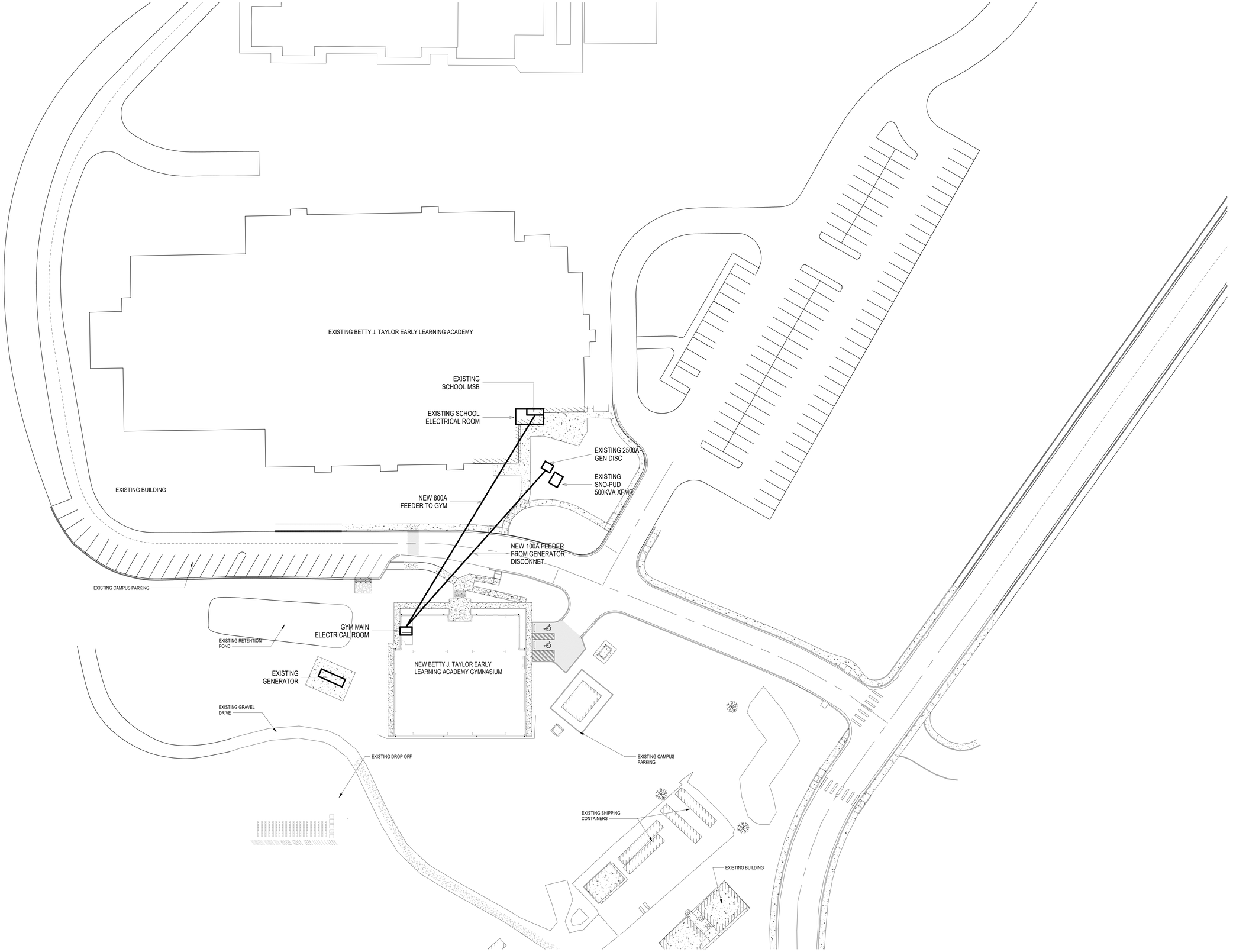
ISSUANCE

No.	Description	Date
1	CODE REV	8-25-26

PROJECT INFORMATION
- PROJECT NUMBER: 2017
- PROJECT LEAD: Designer
- DRAWN BY: Author

SHEET NO
E-0.00

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1 SITE PLAN
1" = 30'-0"

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5-11-27

TULALIP TRIBES TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PHASE 1 BUILDING PERMIT SET RESPONSE 8-26-26

SITE PLAN

ISSUANCE

No.	Description	Date

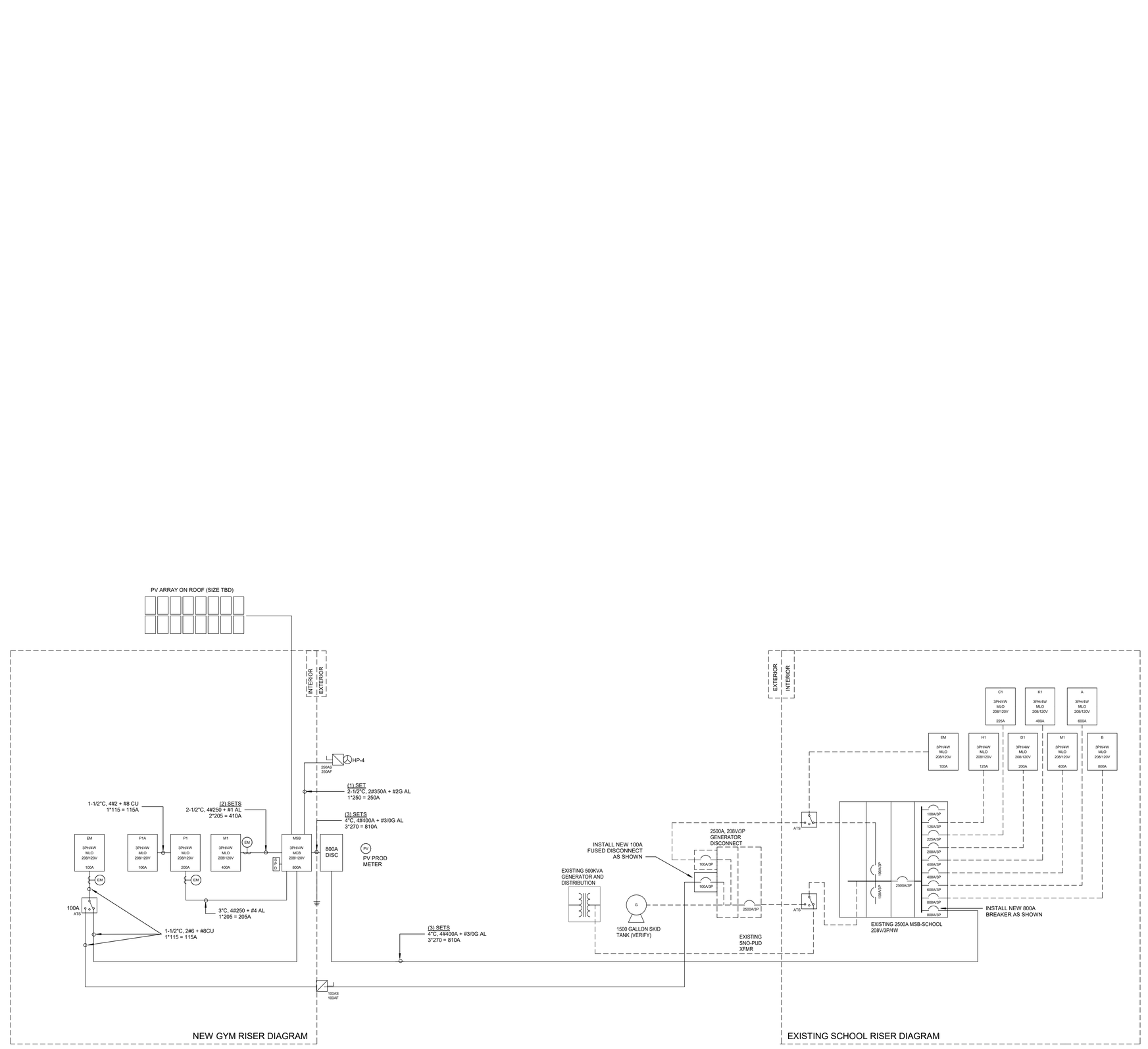
PROJECT INFORMATION

PROJECT NUMBER:	2017
PROJECT LEAD:	Designer
DRAWN BY:	Author

SHEET NO

E-0.01

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1 GYM RISER DIAGRAM

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STATE OF WASHINGTON
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5-11-27

TULALIP TRIBES
TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PHASE 1 BUILDING PERMIT SET RESPONSE 8-26-26

ONE-LINE DIAGRAM

ISSUANCE

No.	Description	Date

PROJECT INFORMATION

PROJECT NUMBER:	2017
PROJECT LEAD:	Designer
DRAWN BY:	Author

SHEET NO

E-1.01

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Tulalip Gym Panels

PANEL NAME: EXIST 2500A SCHOOL MSB

LOCATION: ELECTRICAL ROOM
FED FROM: SNOPUD

VOLTS	208Y/120	MLO		DBL LUGS	
PHASE	3	MAIN CB	Y	FEED THRU	
WIRE	4	200% NEU		TOP FEED	OPT
BUS AMPS	2500	EQUIP GND	Y	BTM FEED	OPT
BUS TYPE	AI	ISO GND		SURFACE	Y
KAIC SYM				FLUSH	

NOTES:

CONN. LOAD		DEMAND LOAD		CODE REF.
TYPE	KVA	Factor	KVA	
Recept	7.6	50%+10 KVA	7.6	220.14(H)(I), 220.44
Lighting	7.6	125%	9.5	215.2, 210.20(A)
Heating	51.0	100%	51.0	220.51, 220.60
Cooling	0.0	0%	0.0	220.60
Other Motors	92.0	100%	92.0	220.14, 430.24
Kitchen Equip	0.0	65%	0.0	220.56
Misc	346.7	100%	346.7	220.10
Largest Motor	77.4	25%	19.4	430.24
Elevators	0.0	100%	0.0	620.14
EV-Charging	0.0	125%	0.0	625.42
KVA	504.3		525.0	
AMPS	1400.9		1459	

CKT	BRANCH CIRCUIT DESCRIPTION		PH	AMP	POLE	LOAD KVA	REC	LTG	HEAT	COOL	OTHER MOTOR	KIT	MISC	LARGE MOTOR	ELEV	EV CHARGE
1	EXIST PANEL	EM	3	100	3	290.0										
2	EXIST PANEL	H1	3	125	3	0.0										
3	EXIST PANEL	A	3	600	3	0.0										
4	EXIST PANEL	B	3	600	3	0.0										
5	EXIST PANEL	C1	3	225	3	0.0										
6	EXIST PANEL	D1	3	200	3	0.0										
7	EXIST PANEL	M1	3	400	3	0.0										
8	EXIST PANEL	K1	3	400	3	0.0										
9	NEW PANEL	MSB GYM	3	800	3	214.3	7.56	7.00	51.00	0.00	92.03	0.00	56.75	77.40	0.00	0.00
10			3													

EXISTING GYM MSB
2026 SNOPUD DEMAND METERING
MONTH / KW PEAK DEMAND
JAN 236.4
FEB 261.6
MARCH 206.4
APRIL 232
MAY 181.2
JUNE 169.2
JULY 158.4
AUGUST 178.8
SEPTEMBER 164.4
OCTOBER 198
NOVEMBER 164
DECEMBER 187.2
PEAK **232**
*** 125% (NEC) 290**

GERBER ENGINEERING, INC.
307 THIRD AVENUE S, STE 510
SEATTLE, WA 98104
(206) 405-3510

SUB-FEED PANEL:

SUBTOTALS: 7.6 7.0 51.0 0.0 92.0 0.0 346.7 77.4 0.0 0.0
TOTALS: 7.6 7.0 51.0 0.0 92.0 0.0 346.7 77.4 0.0 0.0

6/30/2026

EXIST 2500A SCHOOL MSB

Tulalip Gym Panels

PANEL NAME: MSB GYM

LOCATION: ELECTRICAL ROOM
FED FROM: SNOPUD

VOLTS	208Y/120	MLO		DBL LUGS	
PHASE	3	MAIN CB	Y	FEED THRU	OPT
WIRE	4	200% NEU		TOP FEED	OPT
BUS AMPS	800	EQUIP GND	Y	BTM FEED	OPT
BUS TYPE	AI	ISO GND		SURFACE	Y
KAIC SYM				FLUSH	

NOTES:

CONN. LOAD		DEMAND LOAD		CODE REF.
TYPE	KVA	Factor	KVA	
Recept	7.6	50%+10 KVA	7.6	220.14(H)(I), 220.44
Lighting	7.0	125%	8.8	215.2, 210.20(A)
Heating	51.0	100%	51.0	220.51, 220.60
Cooling	0.0	0%	0.0	220.60
Other Motors	92.0	100%	92.0	220.14, 430.24
Kitchen Equip	0.0	65%	0.0	220.56
Misc	56.7	100%	56.7	220.10
Largest Motor	77.4	25%	19.4	430.24
Elevators	0.0	100%	0.0	620.14
EV-Charging	0.0	125%	0.0	625.42
KVA	214.0		225.6	
AMPS	595.0		634.9	

CKT	BRANCH CIRCUIT DESCRIPTION		PH	AMP	POLE	LOAD KVA	REC	LTG	HEAT	COOL	OTHER MOTOR	KIT	MISC	LARGE MOTOR	ELEV	EV CHARGE
1			A													
3	PANEL	P1	B	200	3	54.8	7.20	1.00	0.00	0.00	0.00	0.00	46.65	0.00	0.00	0.00
5			C													
7			A													
9	PANEL	M1	B	400	3	49.6	0.00	0.00	15.00	0.00	25.03	0.00	9.60	0.00	0.00	0.00
11			C													
13			A													
15	PANEL VIA ATS	EM	B	100	3	32.5	0.36	6.00	0.00	0.00	25.59	0.00	0.50	0.00	0.00	0.00
17			C													
19			A													
21		SPARE	B	200	3	0.0										
23			C													
25			A													
27	215MCA 250MOCP	HP-4	B	250	3	77.4			36.00		41.40			77.40		
29			C													
31			A													
33	FUTURE	PV DISC	B	100	3	0.0										
35			C													
37			A													
39		SPD	B	30	3	0.0										
41			C													
2			A			0.0										
4			B			0.0										
6			C			0.0										
8			A			0.0										
10			B			0.0										
12			C			0.0										
14			A			0.0										
16			B			0.0										
18			C			0.0										
20			A			0.0										
22			B			0.0										
24			C			0.0										
26			A			0.0										
28			B			0.0										
30			C			0.0										
32			A			0.0										
34			B			0.0										
36			C			0.0										
38			A			0.0										
40			B			0.0										
42			C			0.0										

GERBER ENGINEERING, INC.
307 THIRD AVENUE S, STE 510
SEATTLE, WA 98104
(206) 405-3510

SUB-FEED PANEL:

SUBTOTALS: 7.6 7.0 51.0 0.0 92.0 0.0 56.7 77.4 0.0 0.0
TOTALS: 7.6 7.0 51.0 0.0 92.0 0.0 56.7 77.4 0.0 0.0

6/30/2026

MSB GYM

Tulalip Gym Panels

PANEL NAME: P1

LOCATION: ELECTRICAL ROOM
FED FROM: MSB GYM

VOLTS	208Y/120	MLO	Y	DBL LUGS	
PHASE	3	MAIN CB		FEED THRU	
WIRE	4	200% NEU		TOP FEED	
BUS AMPS	200	EQUIP GND	Y	BTM FEED	
BUS TYPE	AI	ISO GND		SURFACE	
KAIC SYM				FLUSH	

NOTES:
PROVIDE BRANCH CIRCUIT METERING FOR ALL LIGHTING CIRCUITS

CONN. LOAD		DEMAND LOAD		CODE REF.
TYPE	KVA	Factor	KVA	
Recept	7.2	50%+10 KVA	7.2	220.14(H)(I), 220.44
Lighting	1.0	125%	1.3	215.2, 210.20(A)
Heating	0.0	100%	0.0	220.51, 220.60
Cooling	0.0	0%	0.0	220.60
Other Motors	0.0	100%	0.0	220.14, 430.24
Kitchen Equip	0.0	65%	0.0	220.56
Misc	46.6	100%	46.6	220.10
Largest Motor	0.0	25%	0.0	430.24
Elevators	0.0	100%	0.0	620.14
EV-Charging	0.0	100%	0.0	625.42
KVA	54.8		55.1	
AMPS	152.2		153.1	

CKT	BRANCH CIRCUIT DESCRIPTION		PH	AMP	POLE	LOAD KVA	REC	LTG	HEAT	COOL	OTHER MOTOR	KIT	MISC	LARGE MOTOR	ELEV	EV CHARGE
1	RECEPTACLES	STORAGE	A	20	1	0.2	0.18									
3	RECEPTACLES	WOMENS RR	B	20	1	0.5	0.54									
5	RECEPTACLES	LOBBY	C	20	1	1.1	1.08									
7	RECEPTACLES	MENS RR	A	20	1	0.4	0.36									
9	RECEPTACLES	JANITOR	B	20	1	0.2	0.18									
11	RECEPTACLES	STORAGE	C	20	1	0.2	0.18									
13	RECEPTACLES	IT	A	20	1	1.5							1.50			
15	RECEPTACLES	IT	B	20	1	1.5							1.50			
17	RECEPTACLES	IT	C	20	1	1.5							1.50			
19	RECEPTACLES	SPRINKLER/ELEC RM	A	20	1	0.4	0.36									
21	RECEPTACLES	MECH ROOM	B	20	1	0.2	0.18									
23	RECEPTACLES	MULTI USE	C	20	1	0.9	0.90									
25		SPARE	A	20	1	0.0										
27		SPARE	B	20	1	0.0										
29		SPARE	C	20	1	0.0										
31		DOOR HARDWARE	A	20	1	0.1							0.10			
33	RECEPTACLES	SECURITY	B	20	1	0.0										
35	RECEPTACLES	MECH MAINT	C	20	1	0.0										
37			A													
39	PANEL	P1A	B	100	3	28.7	0.00	1.00	0.00	0.00	0.00	0.00	27.73	0.00	0.00	0.00
41			C													
2		SPARE	A	20	1	0.0										
4	RECEPTACLES	BACKBOARD LIFT	B	20	1	1.0							1.00			
6	RECEPTACLES	BACKBOARD LIFT	C	20	1	1.0							1.00			
8	RECEPTACLES	BACKBOARD LIFT	A	20	1	1.0							1.00			
10	RECEPTACLES	BACKBOARD LIFT	B	20	1	1.0							1.00			
12	RECEPTACLES	BACKBOARD LIFT	C	20	1	1.0							1.00			
14	RECEPTACLES	BACKBOARD LIFT	A	20	1	1.0							1.00			
16	RECEPTACLES	GYM	B	20	1	1.1	1.08									
18	RECEPTACLES	GYM	C	20	1	1.1	1.08									
20	RECEPTACLES	EXTERIOR	A	20	1	0.5	0.54									
22	RECEPTACLES	EXTERIOR	B	20	1	0.5	0.54									
24		SPARE	C	20	1	0.0										
26			A	50	2	8.3							8.32			
28		L14-50 FOR EV CHARGER	B			0.0										
30		SPARE	C	20	1	0.0										
32		SPARE	A	20	1	0.0										
34		SPARE	B	20	1	0.0										
36		SPARE	C	20	1	0.0										
38		SPARE	A	20	1	0.0										
40		SPARE	B	20	1	0.0										
42		SPARE	C	20	1	0.0										

GERBER ENGINEERING, INC.
307 THIRD AVENUE S, STE 510
SEATTLE, WA 98104
(206) 405-3510

SUB-FEED PANEL:

SUBTOTALS: 7.2 1.0 0.0 0.0 0.0 0.0 46.6 0.0 0.0 0.0
TOTALS: 7.2 1.0 0.0 0.0 0.0 0.0 46.6 0.0 0.0 0.0

6/30/2026

P1

Tulalip Gym Panels

PANEL NAME: P1A

LOCATION: ELECTRICAL ROOM
FED FROM: P1

VOLTS	208Y/120	MLO	Y	DBL LUGS	
PHASE	3	MAIN CB		FEED THRU	
WIRE	4	200% NEU		TOP FEED	
BUS AMPS	100	EQUIP GND	Y	BTM FEED	
BUS TYPE	AI	ISO GND		SURFACE	
KAIC SYM				FLUSH	

NOTES:

CONN. LOAD		DEMAND LOAD		CODE REF.
TYPE	KVA	Factor	KVA	
Recept	0.0	50%+10 KVA	0.0	220.14(H)(I), 220.44
Lighting	1.0	125%	1.3	215.2, 210.20(A)
Heating	0.0	100%	0.0	220.51, 220.60
Cooling	0.0	0%	0.0	220.60
Other Motors	0.0	100%	0.0	220.14, 430.24
Kitchen Equip	0.0	65%	0.0	220.56
Misc	46.6	100%	46.6	220.10
Largest Motor	0.0	25%	0.0	430.24
Elevators	0.0	100%	0.0	620.14
EV-Charging	0.0	125%	0.0	625.42
KVA	47.6		47.9	
AMPS	132.2		133.1	

CKT	BRANCH CIRCUIT DESCRIPTION		PH	AMP	POLE	LOAD KVA	REC	LTG	HEAT	COOL	OTHER MOTOR	KIT	MISC	LARGE MOTOR	ELEV	EV CHARGE
1		ST1-CKT 1	A	40	2	6.7										
3	SCOREBOARD		B			0.0										
5	ST1	ST1-CKT 2	C	40	2	6.7										
7			A			0.0										
9		ST1-CKT 3	B	40	2	6.7										
11			C			0.0										
13	SCOREBOARD	STS-CKT 1	A	20	2	2.5										
15	ST2		B			0.0										
17		SPARE	C	20	1	0.0										
19	SCOREBOARD	STS-CKT 1	A	20	2	1.7										
21	ST3		B			0.0										
23		SPARE	C	20	1	0.0										
25	SCORE TABLE	ST4-CKT 1	A	20	1	0.6										
27	ST4	ST4-CKT 2	B	20	1	0.6										
29		SPARE	C	20	1	0.0										
31	SHOT CLOCK	ST5-CKT 1	A	20	1	0.6										
33	STS-1	ST5-CKT 2	B	20	1	0.6										
35		SPARE	C	20	1	0.0										
37	SHOT CLOCK	ST5-CKT 1	A	20	1	0.6										
39	STS-1	ST5-CKT 2	B	20	1	0.6										
41		SPARE	C	20	1	0.0										
2	55 LIGHTS ST5	ST5-CKT 1	A	20	1	0.5	0.50									
4		ST5-CKT 2	B	20	1	0.5	0.50									
6		SPARE	C	20	1	0.0										
8		SPARE	A	20	1	0.0										
10		SPARE	B	20	1	0.0										
12		SPARE	C	20	1	0.0										
14		SPARE	A	20	1	0.0										
16		SPARE	B	20	1	0.0										
18		SPARE	C	20	1	0.0										
20		SPARE	A	20	1	0.0										
22		SPARE	B	20	1	0.0										
24		SPARE	C	20	1	0.0										
26		SPARE	A	20	1	0.0										
28		SPARE	B	20	1	0.0										
30		SPARE	C	20	1	0.0										
32		SPARE	A	20	1	0.0										
34		SPARE	B	20	1	0.0										
36		SPARE	C	20	1	0.0										
38		SPARE	A	20	1	0.0										
40		SPARE	B	20	1	0.0										
42		SPARE	C	20	1	0.0										

GERBER ENGINEERING, INC.
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SUB-FEED PANEL:

SUBTOTALS: 0.0 1.0 0.0 0.0 0.0 0.0 27.7 0.0 0.0 0.0
TOTALS: 0.0 1.0 0.0 0.0 0.0 0.0 27.7 0.0 0.0 0.0

6/30/2026

P1A

Tulalip Gym Panels

PANEL NAME: M1

LOCATION: ELECTRICAL ROOM
FED FROM: MSB GYM

VOLTS	208Y/120	MLO	Y	DBL LUGS	
PHASE	3	MAIN CB		FEED THRU	
WIRE	4	200% NEU	N	TOP FEED	
BUS AMPS	400	EQUIP GND	Y	BTM FEED	
BUS TYPE	AI	ISO GND		SURFACE	
KAIC SYM				FLUSH	

NOTES:
EUH-01/02/03/04 UNIT HEATERS ARE PHASE 1 SHELL FEEZE PROTECTION ONLY.
THESE UNITS WOULD BE REMOVED FOR FULL PHASE 2 BUILD-OUT. 45KW
TOTAL LOAD REMOVE FROM LOAD CALCS

CONN. LOAD		DEMAND LOAD		CODE REF.
TYPE	KVA	Factor	KVA	
Recept	0.0	50%+10 KVA	0.0	220.14(H)(I), 220.44
Lighting	7.6	125%	9.5	215.2, 210.20(A)
Heating	15.0	100%	15.0	220.51, 220.60
Cooling	15.0	0%	0.0	220.60
Other Motors	25.0	100%	25.0	220.14, 430.24
Kitchen Equip	0.0	65%	0.0	220.56
Misc	9.6	100%	9.6	220.10
Largest Motor	0.0	25%	0.0	430.24
Elevators	0.0	100%	0.0	620.14
EV-Charging	0.0	125%	0.0	625.42
KVA	49.0		49.8	
AMPS	137.0		137.9	

CKT	BRANCH CIRCUIT DESCRIPTION		PH	AMP	POLE	LOAD KVA	REC	LTG	HEAT	COOL	OTHER MOTOR	KIT	MISC	LARGE MOTOR	ELEV	EV CHARGE
1			A			0.0										
3	19KW	EUH-01 (REMOVED FOR PHASE 2 BUILDOUT)	B	30	3	0.0										
5			C			0.0										
7			A			0.0										
9	15KW	EUH-02 (REMOVED FOR PHASE 2 BUILDOUT)	B	30	3	0.0										
11			C			0.0										
13			A			0.0										
15	19KW	EUH-03 (REMOVED FOR PHASE 2 BUILDOUT)	B	30	3	0.0										
17			C			0.0										
19			A			0.0										
21	15KW	EUH-04 (REMOVED FOR PHASE 2 BUILDOUT)	B	30	3	0.0										
23			C			0.0										
25			A			5.0										
27	5KS	EH-01 (SPRINKLER)	B	20	2	0.0										
29			C			5.0										
31	5KS	EH-04 (BATHROOM)	A	20	2	0.0										
33		SPARE	B			0.0										
35		SPARE	C			0.0										
37			A			6.0					6.01					
39	5HP	EF-02	B	30	3	0.0										
41			C			0.0										
2		EF-01	A	20	1	0.1					0.10					
4		MOTOR DAMPERS	B	20	1	0.0										
6		SPARE	C	20	1	0.0										
8	10MCA 15MOCP	HP-1	A	15	2	2.1					2.08					
10			B			0.0										
12	10MCA 15MOCP	HP-2	C	15	2	2.1					2.08					
14			A			0.0										
16	53MCA 80MOCP	HP-3	B	80	2	9.4					9.36					
18			C			0.0										
20	9.6KW	WATER HEATER	A	60	2	9.6								9.60		
22			B			0.0										
24		FCU-03	C	50	2	10.4					5.40					
26			A			0.0										
28		SPARE	B	20	1	0.0										
30		SPARE	C	20	1	0.0										
32		SPARE	A	20	1	0.0										
34		SPARE	B	20	1	0.0										
36		SPARE	C	20	1	0.0										
38		SPARE	A	20	1	0.0										
40		SPARE	B	20	1	0.0										
42		SPARE	C	20	1	0.0										

GERBER ENGINEERING, INC.
307 THIRD AVENUE S, STE 510
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SUB-FEED PANEL:

SUBTOTALS: 0.0 0.0 15.0 0.0 25.0 0.0 9.6 0.0 0.0 0.0
TOTALS: 0.0 0.0 15.0 0.0 25.0 0.0 9.6 0.0 0.0 0.0

6/30/2026

M1

Tulalip Gym Panels

PANEL NAME: EM

LOCATION: ELECTRICAL ROOM
FED FROM: MSB GYM

VOLTS	208Y/120	MLO	Y	DBL LUGS	
PHASE	3	MAIN CB		FEED THRU	
WIRE	4	200% NEU		TOP FEED	
BUS AMPS	100	EQUIP GND	Y	BTM FEED	
BUS TYPE	AI	ISO GND		SURFACE	
KAIC SYM				FLUSH	

NOTES:

CONN. LOAD		DEMAND LOAD		CODE REF.
TYPE	KVA	Factor	KVA	
Recept	0.4	50%+10 KVA	0.4	220.14(H)(I), 220.44
Lighting	6.0	125%	7.5	215.2, 210.20(A)
Heating	0.0	100%	0.0	220.51, 220.60
Cooling	0.0	0%	0.0	220.60
Other Motors	25.6	100%	25.6	220.14, 430.24
Kitchen Equip	0.0	65%	0.0	220.56
Misc	0.5	100%	0.5	220.10
Largest Motor	0.0	25%	0.0	430.24
Elevators	0.0	100%	0.0	620.14
EV-Charging	0.0	125%	0.0	625.42
KVA	32.5		34.0	
AMPS	90.2		94.3	

CKT	BRANCH CIRCUIT DESCRIPTION		PH	AMP	POLE	LOAD KVA	REC	LTG	HEAT	COOL	OTHER MOTOR	KIT	MISC	LARGE MOTOR	ELEV	EV CHARGE
1	LIGHTING	INTERIOR	A	20	1	1.2		1.20								
3	LIGHTING	INTERIOR	B	20	1	1.2		1.20								
5	LIGHTING	INTERIOR	C	20	1	1.2		1.20								
7	LIGHTING	INTERIOR	A	20	1	1.2		1.20								
9	LIGHTING	INTERIOR/ EGRESS	B	20	1	1.2		1.20								
11		SPARE	C	20	1	0.0										
13		SPARE	A	20	1	0.0										
15		SPARE	B	20	1	0.0										
17		SPARE	C	20	1	0.0										
19			A			25.6						25.59				
21	10HP	FIRE PUMP	B	40	3	0.0										
23			C			0.0										
25																
27																
29																
31																
33																
35																
37																
39																
41																
2	RECEPTACLES	DOOR HARDWARE	A	20	1	0.5							0.50			
4	RECEPTACLES	SECURITY	B	20	1	0.2	0.18									
6	RECEPTACLES	ELECT ROOM	C	20	1	0.2	0.18									
8	RECEPTACLES	IT CLOSET	A	20	1	0.0										
10		SPARE	B	20	1	0.0										
12		SPARE	C	20	1	0.0										
14		SPARE	A	20	1	0.0										
16		SPARE	B	20	1	0.0										
18		SPARE	C	20	1	0.0										
20		SPARE	A	20	1	0.0										
22		SPARE	B	20	1	0.0										
24		SPARE	C	20	1	0.0										
26																
28																
30																
32																
34																
36																
38																
40																
42																

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SUB-FEED PANEL:

SUBTOTALS: 0.4 6.0 0.0 0.0 25.6 0.0 0.5 0.0 0.0 0.0
TOTALS: 0.4 6.0 0.0 0.0 25.6 0.0 0.5 0.0 0.0 0.0

6/30/2026

EM

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PRELIMINARY: NOT FOR CONSTRUCTION

Gerber Engineering, Inc.
Consulting Electrical Engineers



5-11-27

TULALIP TRIBES TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PHASE 1 BUILDING PERMIT SET RESPONSE 8-26-26

PANEL SCHEDULES

ISSUANCE

No.	Description	Date

PROJECT INFORMATION

PROJECT NUMBER:	2017
PROJECT LEAD:	Designer
DRAWN BY:	Author

SHEET NO
E-1.02

8/26/2026 3:55:27 PM C:\Users\andyb\Documents\2017 TULALIP GYM ELEC-GERBER-25 ALL_andyb@gerberengineering.com.rvt

NOTE COMPLIANCE WITH C406.3 REDUCED INTERIOR LIGHTING POWER

Interior Lighting - Building Area Method — LTG-INT-BLD

2015 Washington State Energy Code Compliance Forms for Commercial Buildings including R2, R3, R4 over 3 stories and all R1 — Revised August 2016

Project Title: TELA Gym — Date: 7/1/2026

Calculation Area NOTE 8: (●) — ( ) Addition - stand alone — ( ) Addition + existing — ( ) Spaces where < 50% of luminaires are replaced — ( ) Spaces where ≥ 50% of luminaires are replaced — ( )

For Building Department Use

LPA Calculation Type: ( ) Standard — (●) Additional Efficiency Package Option C406.3 Reduced Interior Lighting Power — ( )

To comply with C406.3, the Proposed LPD shall be 25% lower than the Target LPA. Refer to C406.3 for additional requirements.

Maximum Allowed Lighting Wattage NOTE 1

Building Area	Location (plan #, room #, or ALL)	Area Description	Gross Interior Area in ft²	Allowed Watts per ft²	Watts Allowed (watts/ft² x area)
Exercise center	Level 1	Gym	10000	0.67	6700
		Total	10000		

Proposed Lighting Wattage

Building Area	Location (plan #, room #)	Fixture Description NOTE 2, 3, 4, 5	Number of Fixtures	Watts per Fixture NOTE 6	Watts Proposed
Exercise center	LEVEL 1	L1	19	50	950
Exercise center	LEVEL 1	L2	20	100	2000
Exercise center	LEVEL 1	L3	4	50	200

Compliance by Building Area NOTE 7

Building Area	Warnings	Total Allowed Watts	Total Proposed Watts	Interior Lighting Power Allowance
Exercise center	Confirm all fixtures are reported under proposed lighting - low watts relative to maximum allowed.	6700	3150	COMPLIES C406.3
	Totals	6700	3150	

Note 1 - List all unique building areas per Table C405.4.2(1) that occur in the project scope. Select building area category from drop down menu.
Note 2 - Proposed fixtures must be listed in the building area in which they occur. List all proposed lighting fixtures including exempt lighting equipment and existing-to-remain fixtures.
Note 3 - For proposed Fixture Description, indicate fixture type, lamp type (e.g. T-8), number of lamps in the fixture, and ballast type (if included). For track lighting, list the length of the track (in feet) in addition to the fixture, lamp, and ballast information.
Note 4 - For lighting equipment eligible for exemption per C405.4.1, note exception number and leave Watts/Fixture blank.
Note 5 - Existing-to-remain fixtures shall be included in the Proposed Lighting Wattage table in the same manner as new fixtures. Identify as existing in fixture description.
Note 6 - For proposed Watts/Fixture enter the luminaire wattage for installed lamp and ballast using manufacturer or other approved source. For luminaires with screw-in lamps, enter the manufacturer's listed maximum input wattage of the fixture (not the lamp wattage). For low voltage lighting, enter the wattage of the transformer. For line voltage track/busway systems, enter the larger of the attached luminaire wattage or [illegible] watts/linear foot, or enter the wattage limit of permanent current limiting device.
Note 7 - Proposed Wattage for each Building Area type shall not exceed the Allowed Wattage for that Building Area type. Trading wattage between Building Area types is not allowed under the Building Area Method compliance path.
Note 8 - Calculation Area Details:
a. Lighting fixtures in a building addition may comply as a stand alone project, or they may be combined with the overall existing building lighting systems to demonstrate compliance. Refer to C502.1.
b. For alterations and building additions, provide Building Area types and gross interior areas in the Maximum Allowed Lighting Wattage table. If a building addition will comply as combined with the overall existing building lighting systems, include all applicable existing Building Area types and gross interior areas.

1

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PRELIMINARY: NOT FOR CONSTRUCTION

Gerber Engineering, Inc.
Consulting Electrical Engineers

WALTER A. EVANS — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
5-11-27

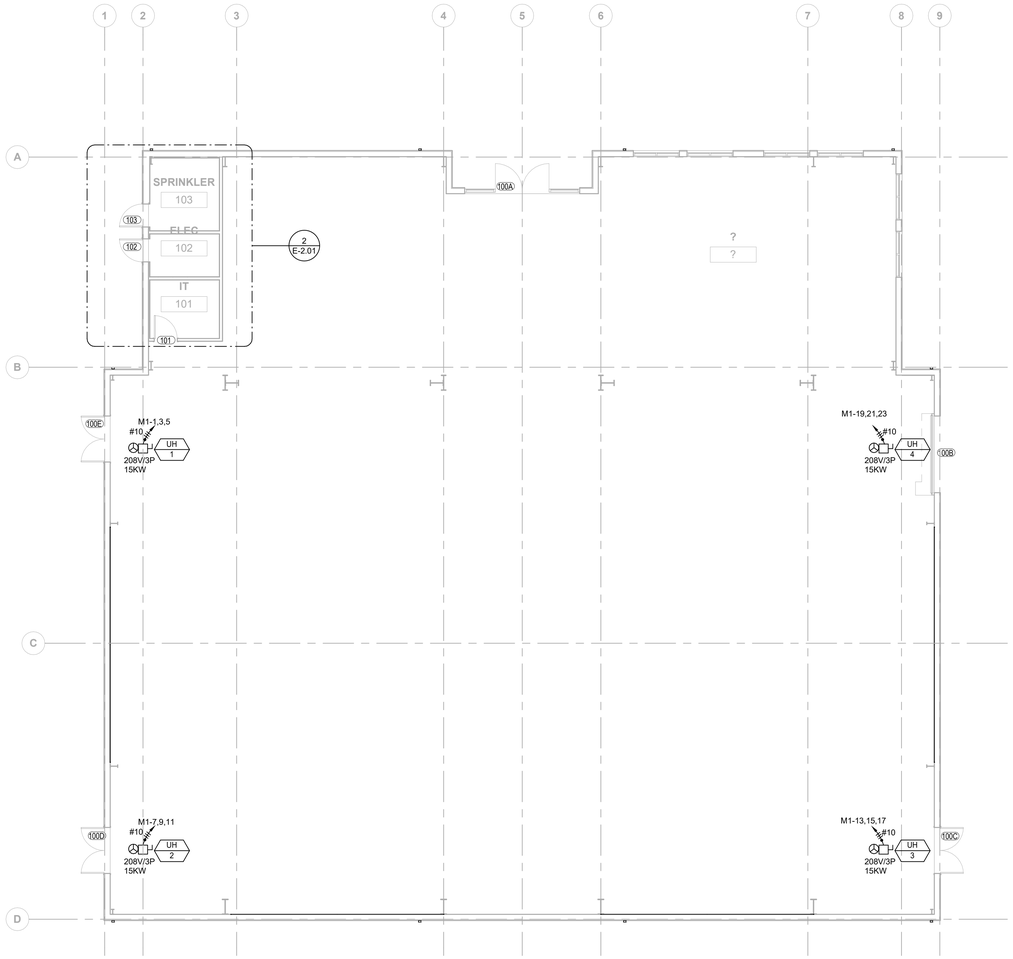
TULALIP TRIBES TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

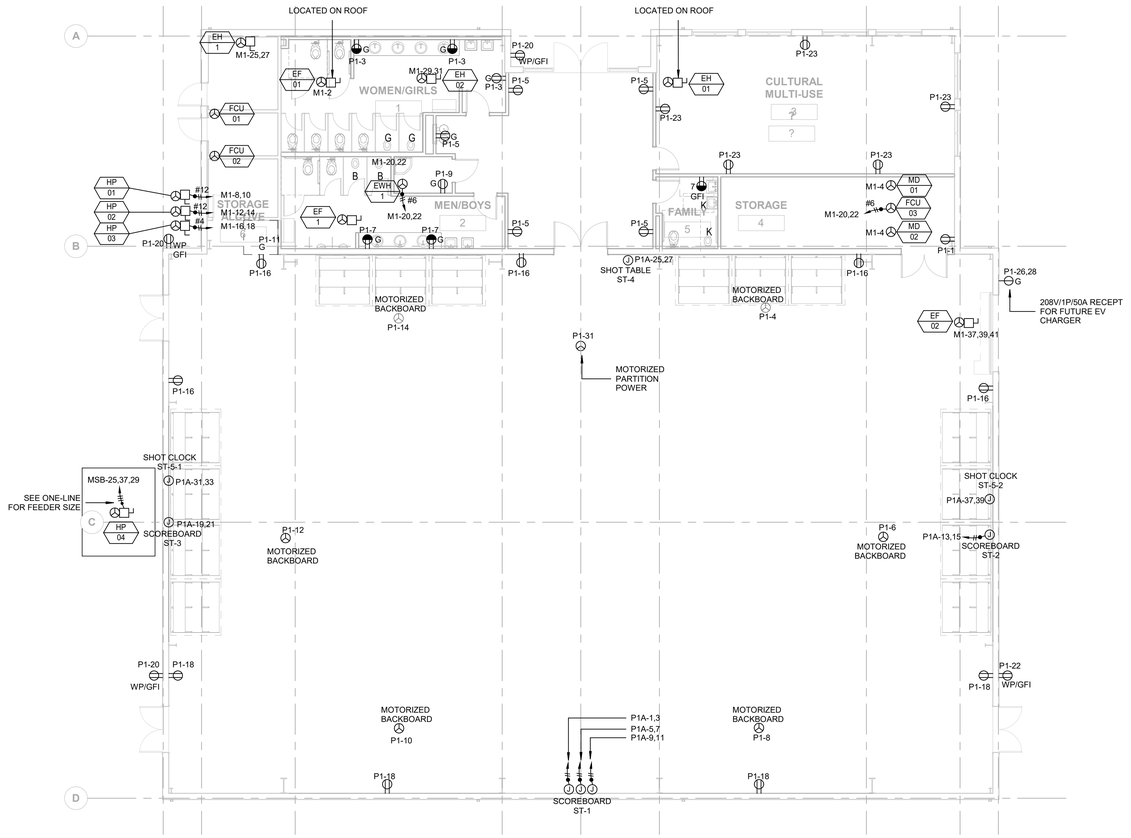
PHASE 1 BUILDING PERMIT SET RESPONSE 8-26-26 LIGHTING SCHEDULES AND ENERGY CODE

ISSUANCE

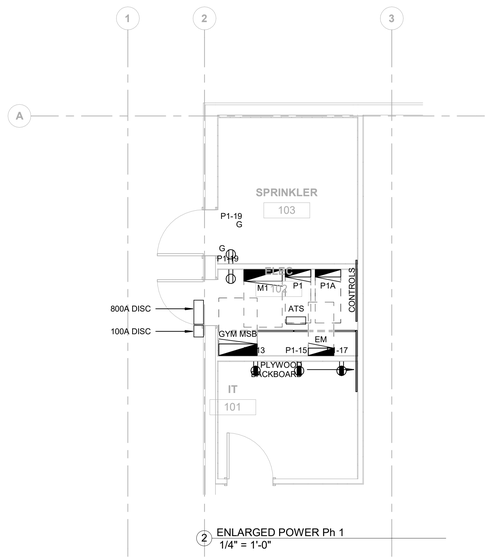
No.	Description	Date



1 LEVEL 1 POWER PLAN Ph 1
1/8" = 1'-0"



3 LEVEL 1 POWER PLAN Ph 2
1/8" = 1'-0"



2 ENLARGED POWER Ph 1
1/4" = 1'-0"

GENERAL NOTES POWER:

1. NOT ALL KEYNOTES ARE USED ON THIS SHEET.
2. HOME RUN AND J-BOX LOCATIONS ARE SHOWN AS DIAGRAMTIC. COORDINATE FINAL LOCATIONS TO BEST HIDE ABOVE ACCESSIBLE CEILINGS. MAINTAIN ACCESSIBILITY AROUND DUCT AND ANY OTHER CEILING ELEMENTS.
3. NEW OUTLETS THAT SHARE A WALL, BUT ARE FACING OPPOSITE SIDES TO BE IN SEPARATE STUD CAVITIES.
4. ALL HOME-RUNS ARE #10 AWG UNLESS OTHERWISE NOTED.
5. COORDINATE WITH AV, TELECOMM AND SECURITY DESIGN DRAWINGS FOR CABLE TRAY, LOW VOLTAGE PATHWAY AND ADDITIONAL DEVICE ROUGH-IN REQUIREMENTS.
6. DEVICES SHOWN SHALL BE MOUNTED AT +18" AFF UNLESS OTHERWISE NOTED. COORDINATE ALL MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
7. PROVIDE SPACE IN HOMERUNS FOR 25% FUTURE GROWTH.
8. COORDINATE COVER PLATE & SWITCH COLORS WITH ARCHITECT PRIOR TO ORDERING.
9. GENERAL USE HOUSEKEEPING RECEPTACLES SHALL BE SPACED AT APPROXIMATELY 40 FEET FOR CLEANING AND MAINTANANCE. MAX 8 RECEPTACLES PER CIRCUIT.
10. HOMERUNS SHOWN WITH SHARED NEUTRAL SHALL HAVE A MINIMUM OF #10AWG NEUTRAL. PROVIDE HANDLE TIES ACROSS ALL CIRCUITS WITH SHARED NEUTRALS PER NEC.
11. TABLE TOP RECEPTACLES BY OTHERS (FURNITURE VENDOR) VIA PLUG-STRIP PLUG-IN TO FLOOR POWER. ASSUME (6) DUPLEX RECEPTACLES ON MEDIUM AND LARGE TABLE TOPS; (4) DUPLEX RECEPTACLES ON SMALL TABLE TOPS.
12. WHERE POSSIBLE VERTICALLY ALIGN RECEPTACLES, LIGHTING CONTROLS, FIRE ALARM STROBES/HORNS AND THERMOSTATS THROUGHOUT.
13. POKE-THRU AND FLOORBOX LOCATIONS HAVE BEEN PLACED FOR INTENT ONLY. FINAL EXACT LOCATIONS TO BE COORDINATED WITH ARCHITECT AND OTHER CEILING SYSTEMS BELOW AND FURNITURE SYSTEMS.

POWER SYMBOLS LEGEND:

"WA1-5a" = FULLY CONTROLLED/SWITCHED VIA RELAY.

"WA1-5,5a" = SPLIT-WIRED, HALF CONTROLLED/SWITCHED. PULL ADDITIONAL SWITCHED HOT CONDUCTOR VIA REMOTE IN-CEILING RELAY.

G = GFCI PROTECTED RECEPTACLE.

- DUPLEX RECEPTACLE - STANDARD
- DUPLEX RECEPTACLE - ABOVE COUNTER
- DUPLEX RECEPTACLE - DEDICATED
- DUPLEX RECEPTACLE - SWITCHED/CONTROLLED
- DUPLEX RECEPTACLE - CEILING MOUNTED
- QUAD RECEPTACLE - STANDARD
- QUAD RECEPTACLE - ABOVE COUNTER
- QUAD RECEPTACLE - DEDICATED
- QUAD RECEPTACLE - SWITCHED/CONTROLLED
- QUAD RECEPTACLE - CEILING MOUNTED
- DUPLEX RECEPTACLE - TV
- J-BOX - SYMBOLIC, NOT ACTUAL LOCATION
- DATA SINGLE-GANG ROUGH-IN, CEILING MOUNTED
- DATA SINGLE-GANG ROUGH-IN
- NEMA L6-20R (208V/1P/20A), #12 CONDUCTORS
- NEMA L6-30R (208V/1P/30A), #10 CONDUCTORS
- NEMA L5-20R (120V/1P/20A), #12 CONDUCTORS
- NEMA L5-30R (120V/1P/30A), #10 CONDUCTORS
- NEMA L21-20R (208V/3P/20A)
- NEMA L21-30R (208V/3P/30A)
- NEMA L15-60P (208V/3PH/60A), 4P-5W
- POWER POLE

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PRELIMINARY: NOT FOR CONSTRUCTION

Gerber Engineering, Inc.
Consulting Electrical Engineers

WALTER A. GERBER
STATE OF WASHINGTON
21600
REGISTERED PROFESSIONAL ENGINEER
5-11-27

TULALIP TRIBES TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PHASE 1 BUILDING PERMIT SET RESPONSE 8-26-26

LEVEL 1 POWER & MECH PLAN

ISSUANCE

No.	Description	Date

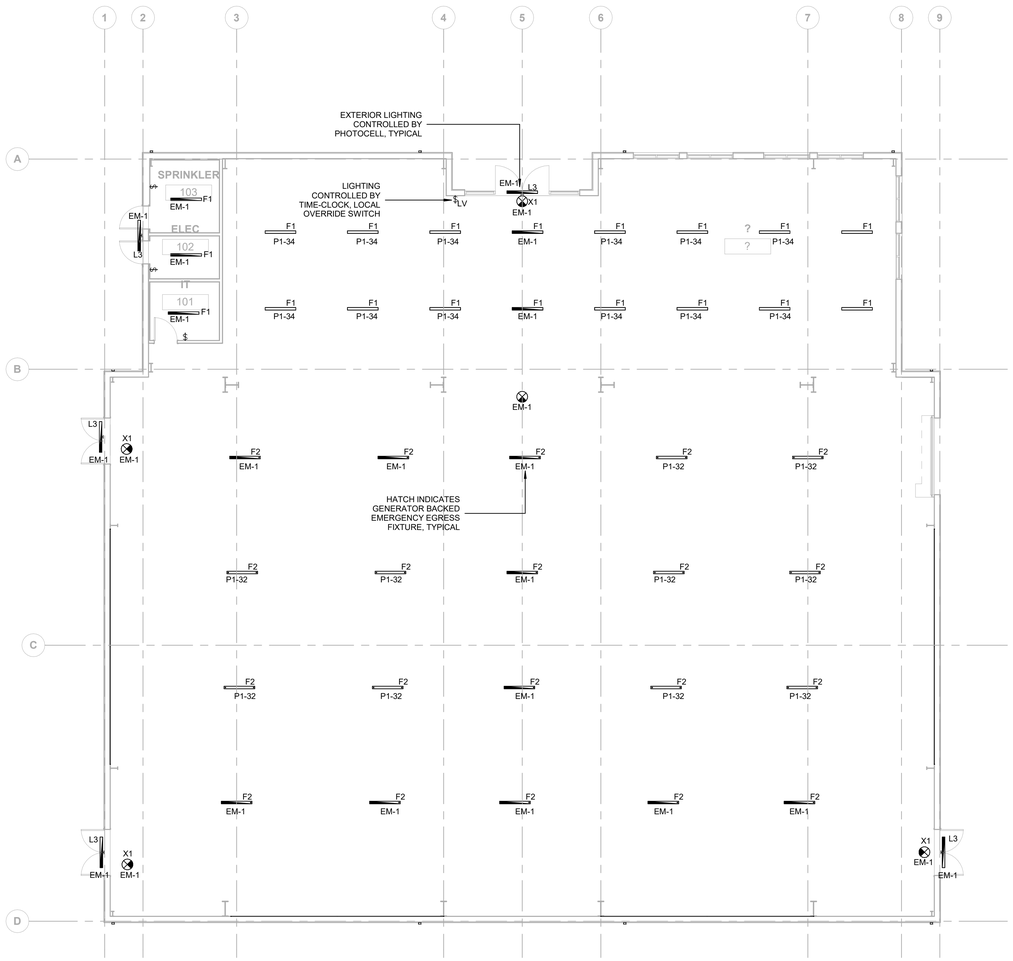
PROJECT INFORMATION

PROJECT NUMBER:	2017
PROJECT LEAD:	Designer
DRAWN BY:	Author

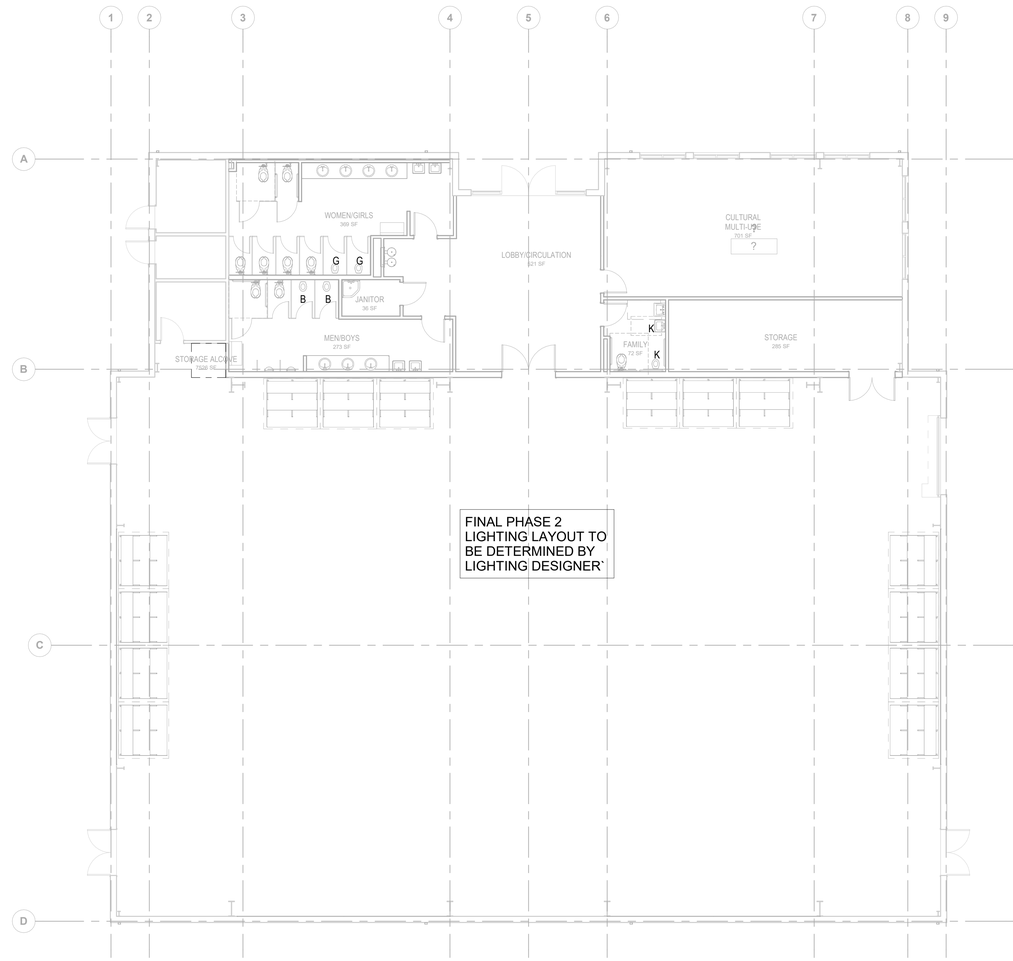
SHEET NO

E-2.01

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1 LEVEL 1 LIGHTING PLAN Ph 1
1/8" = 1'-0"



2 LEVEL 1 LIGHTING PLAN Ph 2
1/8" = 1'-0"

GENERAL NOTES LIGHTING:

1. NOT ALL KEYNOTES ARE USED ON THIS SHEET.
2. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND FINAL DIMENSIONING.
3. WHERE POSSIBLE VERTICALLY ALIGN RECEPTACLES, LIGHTING CONTROLS, FIRE ALARM STROBES/HORNS AND THERMOSTATS THROUGHOUT.
4. PER WSEC C405.2.2.3, PROVIDE FIXTURES AND CONTROLS SUCH THAT THE PRIMARY DAYLIGHT ZONE IS CONTROLLED SEPARATELY FROM THE SECONDARY ZONE.
5. COORDINATE COVER PLATE & SWITCH COLORS WITH ARCHITECT PRIOR TO ORDERING.
6. PROVIDE CUSTOM ENGRAVED SWITCH PLATES FOR TEAM ROOMS, SMALL, MEDIUM AND LARGE CONFERENCE ROOMS AS REQUIRED.
7. FIXTURES DESIGNATED WITH CIRCUITRY LABELLED "X1", "X3", ETC OR 'EM', ARE FED FROM A GENERATOR BACKED CIRCUIT AND WILL PROVIDE EGRESS LIGHTING WHEN UTILITY POWER IS LOST.
8. HALLWAYS AND OPEN OFFICE AREAS SHALL BE TIMECLOCK CONTROLLED WITH AUTOMATIC LOW VOLTAGE OVERRIDE AND OCCUPANCY SENSOR CONTROL OF LIGHTING DURING AFTERHOURS. EACH OVERRIDE SWITCH PER 5,000 SQ-FT MAX.
9. PROVIDE UL924 EMERGENCY BYPASS MODULE FOR ALL EMERGENCY FIXTURES DESIGNATED WITH SWITCH LEG.
10. IN CONFERENCE ROOMS: LOCATE CEILING-MOUNT OCCUPANCY SENSORS IN CORNER ALONG SAME WALL AS DOOR SO THAT LIGHTING IS NOT TRIGGERED FROM HALLWAY.
11. E.C. TO CONFIRM LED DRIVERS TO BE COMPATIBLE AND OPERATE "FLICKER-FREE" WITH DIMMING SYSTEM SELECTED. CONFIRMATION SHALL BE ACCEPTED BY EITHER MANUFACTURER PROVIDED COMPATIBILITY MATRIX, MOCK-UP OR SELECTING DRIVER AND CONTROL COMPONENTS MADE BY SAME MANUFACTURER.
12. E.C. TO CONFIRM VOLTAGES AND DIMMING PROTOCOLS ON EACH LIGHT FIXTURE TYPE AND PROVIDE ASSOCIATED LIGHTING CONTROLS PARTS AND PIECES AS NECESSARY.
13. PROVIDE LIGHTING CONTROL SYSTEM COMMISSIONING PER WSEC C408.3.
14. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL EXIT SIGN LOCATIONS AND QUANTITIES. EXIT SIGNS ARE TO BE SERVED BY UNSWITCHED EMERGECNY CIRCUIT.
15. PROGRAM ALL OCCUPANCY SENSORS TO BE AUTO-ON TO 50% PER WSEC C405.2.1.1.
16. ALL DEVICE LOCATIONS SHOWN ON LIGHTING AND POWER PLANS ARE DIAGRAMMATICAL. INSTALL DEVICES IN ADJACENT SPACE ABOVE NON-EXPOSED ACCESSIBLE CEILINGS AS NEEDED.
17. UNDER-SHELF OR UNDER-CABINET TASK LIGHTING, SHALL BE AUTOMATICALLY SHUT OFF WHENEVER THAT SPACE IS UNOCCUPIED AND SHALL BE CONTROLLED BY A WALL-MOUNTED CONTROL DEVICE PROVIDED THAT THE CONTROL DEVICE IS READILY ACCESSIBLE PER WSEC C405.2.5.
18. EXTERIOR LIGHTS CONTROL VIA PHOTOCELL AND TIME CLOCK.
19. PROVIDE DRY CONTACT OUTPUT FROM LIGHTING CONTROL SYSTEM OCCUPANCY SENSOR AND WIRING TO VAV UNIT(S) SERVING THE FOLLOWING ENCLOSED SPACES:
    1. FOCUS ROOMS
    2. PROJECT/TEAM ROOMS
    3. CONFERENCE ROOMS (SMALL, MEDIUM AND LARGE)

    REFER TO MECHANICAL CONTROLS DRAWING FOR UNITS CONTROLLED BY OCCUPANCY SENSOR SIGNAL. COORDINATE CONTROL SIGNAL AND WIRING REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN

LIGHTING SYMBOLS

$_{DLVa}	SINGLE BUTTON DIMMER SWITCH UP/DOWN ROCKER
300 $ or $_{DLVabc}	MULTI-BUTTON DIMMER FOR NEIGHBORHOODS, TEAM AND CONFERENCE ROOMS. PROVIDE DIM CONTROL PER ZONE OR VIA SCENE SELECTION DEPENDING ON SPACE TYPE.
OS1	STANDARD CEILING MOUNTED OCCUPANCY SENSOR
OS	DUAL TECH CEILING MOUNTED OCC SENSOR
PS	MULTI-ZONE PHOTOSENSOR
RC1	ON/OFF SWITCHED ROOM CONTROLLER
RC3	0-10V DIMMING ROOM CONTROLLER, NUMBER DENOTES QUANTITY OF RELAYS.
RCU	UNIVERSAL PHASE DIMMING ROOM CONTROLLER WITH 2 RELAYS
LCH	LIGHTING CONTROL HEAD END WITH ENCLOSURE
$_{LV1}	LOW VOLTAGE OVERRIDE SWITCH FOR HALLWAY LIGHTING
$_{Da}	0-10V DIMMER/OCCUPANCY SENSOR SWITCH (FOCUS, PHONE & CODE ROOMS). PROGRAM SWITCHES TO BE AUTO-ON TO 50% VERSUS VACANCY MODE.
$_{OS}	STANDARD OCC SENSOR ON/OFF SWITCH.
LCS	6-ZONE TOUCHSCREEN LIGHTING CONTROL STATION WITH RS-232 INTERFACE FOR AV SYSTEM.
SC	5 BUTTON SCENE CONTROL SWITCH.

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PRELIMINARY: NOT FOR CONSTRUCTION

Gerber Engineering, Inc.
Consulting Electrical Engineers

WALTER A. GERBER
STATE OF WASHINGTON
PROFESSIONAL ENGINEER
5-11-27

TULALIP TRIBES TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PHASE 1 BUILDING PERMIT SET RESPONSE 8-26-26

LEVEL 1 LIGHTING PLAN

ISSUANCE

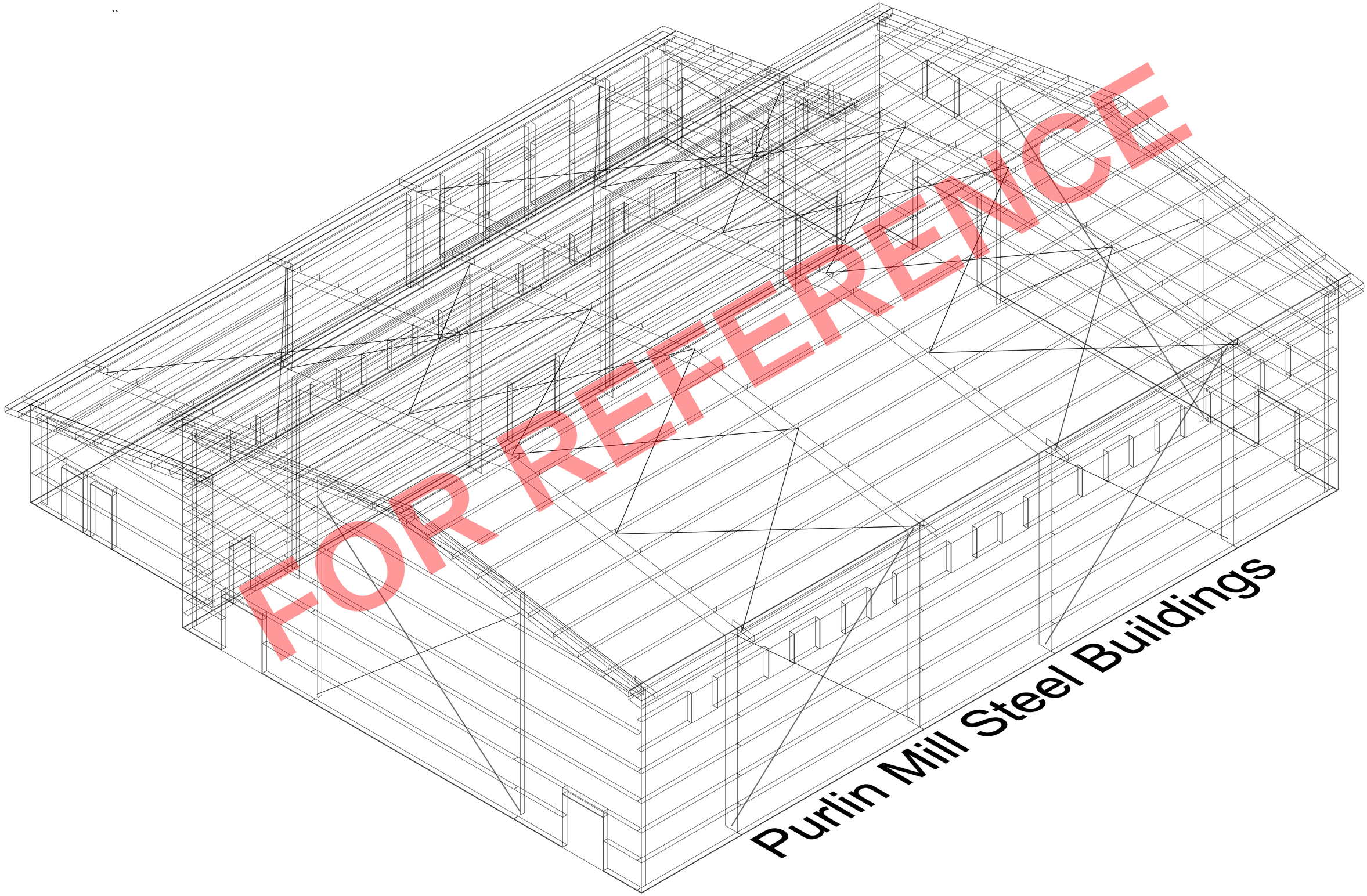
No.	Description	Date

PROJECT INFORMATION	
PROJECT NUMBER:	2017
PROJECT LEAD:	Designer
DRAWN BY:	Author

SHEET NO

E-3.01

8/26/2026 3:52:27 PM C:\Users\andy\Documents\2017 TULALIP GYM-ELEC-GERBER-25-ALL_andy@gerberengineering.com.rvt



FOR REFERENCE

Purlin Mill Steel Buildings

GENERAL NOTES:

1. MATERIALS SPECIFICATION

	ASTM DESIGNATION	YIELD STRENGTH
FLAT BAR	A-572	FY = 50 KSI MIN
STEEL PLATE	A-572	FY = 50 KSI MIN
HOT-ROLLED MILL SHAPES	A-992	FY = 50 KSI MIN
CONNECTION PLATES	A-572	FY = 50 KSI MIN
BRACE RODS	A-36	FY = 36 KSI MIN
COLD-FORMED LIGHT GAGE SHAPES	A-570	FY = 55 KSI
ROOF AND WALL SHEETING (R PANEL)	A-792-94	FY = 80 KSI (GRADE E)
ROOF SHEETING (STANDING SEAM)	A-446-76	FY = 50 KSI (GRADE D)
BOLTS TYP	A-325	
1/2" BOLTS	GRADE 5	

2. SECONDARY STRUCTURAL COATING
   FORMED FROM GALVANIZED PRODUCTS (G90)

3. BUILDER/CONTRACTOR OR A/E FIRM RESPONSIBILITIES
   PURLIN MILL STEEL BUILDINGS STANDARD PRODUCT SPECIFICATIONS FOR DESIGN, FABRICATION, QUALITY CRITERIA, STANDARDS AND TOLERANCES SHALL GOVERN THE WORK, UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS.

   IN CASE OF DISCREPANCIES BETWEEN PURLIN MILL STEEL BUILDINGS STRUCTURAL PLANS AND PLANS FOR OTHER TRADES,PURLIN MILL STEEL BUILDINGS PLANS SHALL GOVERN.

   IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO OBTAIN APPROPRIATE APPROVALS AND NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES, AS REQUIRED.

   ACCEPTANCE OF PURLIN MILL STEEL BUILDINGS INTERPRETATION OF THE CONTRACT.

   ONCE THE BUILDER/CONTRACTOR OR A/E FIRM HAS SIGNED PURLIN MILL STEEL BUILDINGS APPROVAL PACKAGE, CHANGES FROM THE CONTRACT BY THE BUILDER WILL BE BILLED TO THE BUILDER/ CONTRACTOR FOR MATERIAL, ENGINEERING, AND HANDLING FEES. SUCH CHANGES MAY CAUSE THE PROJECT TO BE MOVED FROM THE FABRICATION AND/OR SHIPPING SCHEDULE. A PENALTY FEE MAY BE CHARGED IF THE PROJECT MUST BE MOVED FROM THE FABRICATION AND/OR SHIPPING SCHEDULE, AS LONG AS PURLIN MILL STEEL BUILDINGS DESIGN AND DETAILING APPROACH COMPLIES WITH THE CONTRACT.

   THE BUILDER/CONTRACTOR OR A/E FIRM IS RESPONSIBLE FOR THE OVERALL PROJECT COORDINATION. ALL INTERFACE AND COMPATIBILITY CONCERNING ANY MATERIALS NOT FURNISHED BY PURLIN MILL STEEL BUILDINGS ARE TO BE CONSIDERED AND COORDINATED BY THE BUILDER/CONTRACTOR OR A/E FIRM. THESE PURLIN MILL STEEL BUILDINGS ASSUMPTIONS SHALL GOVERN UNLESS SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS IS FURNISHED AS PART OF THE CONTRACT.

   THE BUILDER/CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL OTHER PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES.

   SUPPLYING SEALED ENGINEERING DESIGN DATA AND DRAWINGS FOR PURLIN MILL STEEL BUILDINGS BUILDING DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT PURLIN MILL STEEL BUILDINGS OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. THESE DRAWINGS AND DESIGN DATA ARE SEALED AS TO THE STRUCTURAL SYSTEM FURNISHED BY PURLIN MILL STEEL BUILDINGS IN COMPLIANCE WITH ALL REQUIREMENTS OF THE CONTRACT.

   THE BUILDER/CONTRACTOR IS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL BUILDING COMPONENTS IN ACCORDANCE WITH PURLIN MILL STEEL BUILDINGS "FOR CONSTRUCTION" DRAWINGS. TEMPORARY SUPPORTS OR BRACING REQUIRED FOR THE BUILDING ERECTION WILL BE THE RESPONSIBILITY OF THE ERECTOR TO DETERMINE, FURNISH, AND INSTALL.

4. A-325 BOLT TIGHTENING REQUIREMENTS
   HIGH STRENGTH A-325 BOLTS SHALL BE TIGHTENED BY THE TURN-OF-THE-NUT METHOD IN ACCORDANCE WITH THE LATEST EDITION, AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A-325 OR A-490 BOLTS. WASHERS ARE NOT REQUIRED WHEN A-325 BOLTS ARE TIGHTENED BY THE TURN-OF-THE-NUT METHOD.

TABLE -NUT ROTATION FROM SNUG-TIGHT CONDITION

BOLT LENGTH (UNDERSIDE OF HEAD TO EDGE OF BOLT)	DISPOSITION OF OUTER FACE OF BOLTED PARTS		
	BOTH FACES NORMAL TO BOLT AXIS	ONE FACE NORMAL TO BOLT AXIS AND OTHER SLOPED NOT MORE THAN 1:20 (BEVELED WASHER NOT USED)	BOTH FACES SLOPED NOT MORE THAN 1:20 FROM NORMAL TO THE BOLT AXIS (BEVELED WASHER NOT USED)
UP TO AND INCLUDING 4 DIAMETERS	1/3 TURN	1/2 TURN	2/3 TURN
OVER 4 DIAMETERS BUT NOT EXCEEDING 8 DIAMETERS	1/2 TURN	2/3 TURN	5/6 TURN

FOR BOLTS INSTALLED BY 1/2 TURN AND LESS, THE TOLERANCE SHALL BE PLUS OR MINUS 30 DEGREES.
FOR BOLTS INSTALLED BY 2/3 TURN AND MORE, THE TOLERANCE SHALL BE PLUS OR MINUS 45 DEGREES.

BUILDING INFORMATION

JOB NUMBER: 26-0197
CUSTOMER: VE Services
PROJECT: Gym
LOCATION: Tulalip Bay, Washington 98721

LOADING INFORMATION

RISK CATEGORY:	III - Substantial Facility	
BLDG. CODE:	IBC 15	
CLOSED/OPEN:	Enclosed	
EXPOSURE:	B	
WIND SPEED:	115	MPH
COLLATERAL LOAD:	10.0	PSF
DEAD LOAD:	3.25	PSF + FRAME WT
LIVE LOAD:	20.00	PSF
ROOF SNOW LOAD:	25.00	PSF
GROUND SNOW LOAD:	36.00	PSF
SNOW IMPORTANCE (Is):	1.10	

EARTHQUAKE DESIGN DATA

SEISMIC DESIGN CATEGORY: D
SEISMIC IMPORTANCE FACTOR: 1.25
MAPPED SPECTRAL RESPONSE ACCELERATIONS

S_s 1.267 %g S_{MS} 1.267 %g
S_1 0.485 %g S_{M1} 0.735 %g

SPECTRAL RESPONSE COEFFICIENTS

S_{DS} 0.845 %g S_{D1} 0.490 %g

NOTE: IT IS THE CUSTOMER'S RESPONSIBILITY TO VERIFY ALL THE DESIGN CRITERIA

MAIN BUILDING

DESCRIPTION: 71.7 x 108.8 x 28.0
SLOPE: 2.0:12
STEEL COLOR: Black
BASE COND: Base Channel

SHEETING TYPE AND COLOR

ROOF: MS200, Gauge: 24, Color: Medium Bronze
3" High Clip
WALL: Reversed PBR, Gauge: 26, Color: Desert Brown
EAVE SOFFIT: 12" Flat Panel, Gauge: 26, Color: Desert Brown
GABLE SOFFIT: 12" Flat Panel, Gauge: 26, Color: Desert Brown
SW LINER: None
EW LINER: None
GABLE TRIM: Medium Bronze
EAVE TRIM: Medium Bronze
GUTTER TRIM: Medium Bronze
CORNER TRIM: Desert Brown
JAMB TRIM: Desert Brown
DOWNSPOUT: Desert Brown
BASE TRIM: Desert Brown

INSULATION

ROOF: R41 Banded Liner System (By Others)
WALLS: R30 Banded Liner System (By Others)

ACCESSORIES * See Contract for Specifics

LEAN-TO BUILDING

DESCRIPTION: 28.5 x 98.8 x 13.0 x 17.75
SLOPE: 2.0:12
STEEL COLOR: Black
BASE COND: Base Channel

SHEETING TYPE AND COLOR

ROOF: MS200, Gauge: 24, Color: Medium Bronze
3" High Clip
WALL: Reversed PBR, Gauge: 26, Color: Cocoa Brown
EAVE SOFFIT: 12" Flat Panel, Gauge: 26, Color: Cocoa Brown
GABLE SOFFIT: 12" Flat Panel, Gauge: 26, Color: Cocoa Brown
SW LINER: None
EW LINER: None
GABLE TRIM: Medium Bronze
EAVE TRIM: Medium Bronze
GUTTER TRIM: Medium Bronze
CORNER TRIM: Cocoa Brown
JAMB TRIM: Cocoa Brown
DOWNSPOUT: Cocoa Brown
BASE TRIM: Cocoa Brown

INSULATION

ROOF: R41 Banded Liner System (By Others)
WALLS: R30 Banded Liner System (By Others)

ACCESSORIES * See Contract for Specifics

FOR REFERENCE

WARNING NOTICE

VERY IMPORTANT INFORMATION

THIS MATERIAL IS SUBJECT TO SEVERE WATER DAMAGE IF MOISTURE IS ALLOWED TO GET BETWEEN THE PARTS; THEREFORE, IT MUST BE STORED UNDER COVER AND ONE END ELEVATED TO ALLOW FOR DRAINAGE UNTIL ERECTED. IF MOISTURE IS ALLOWED TO GET BETWEEN THE PARTS, "RUST" OR "PAINT LIFT OFF" MAY OCCUR. THE MANUFACTURER WILL NOT ACCEPT CLAIMS FOR WET STORAGE DAMAGE. THE CUSTOMER ASSUMES FULL RESPONSIBILITY FOR THE CONDITION OF THIS MATERIAL AFTER DELIVERY BY THE TRUCKING COMPANY.

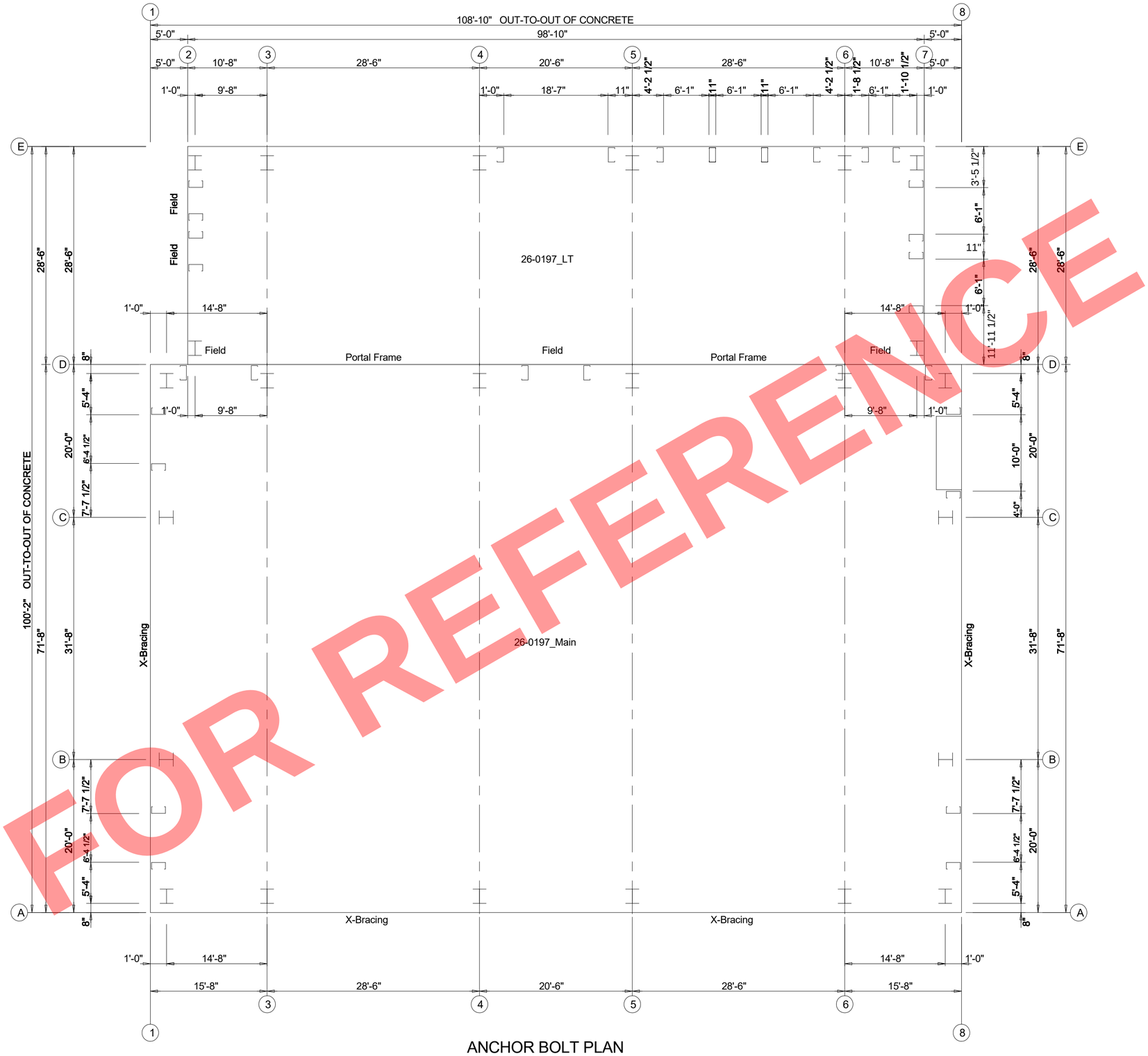
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--	Issued For Estimating Only	7/17/26 MLW

PROJ: Gym
TITLE: Drawing Cover Sheet
DEALER: VE Services

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PMSB STEEL BUILDINGS
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HUBBARD, OR 97032
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DATE: 7/17/26
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PAGE: AC1 OF 1
JOB ID: 26-0197R5



ANCHOR BOLT PLAN

NOTE: All Base Plates @ 99'-6" (U.N.)

FOR REFERENCE

REVISION		DATE
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PROJ: Gym

TITLE: FLOOR PLAN

DEALER: VE Services

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STRENGTH QUALITY SERVICE
STEEL BUILDINGS
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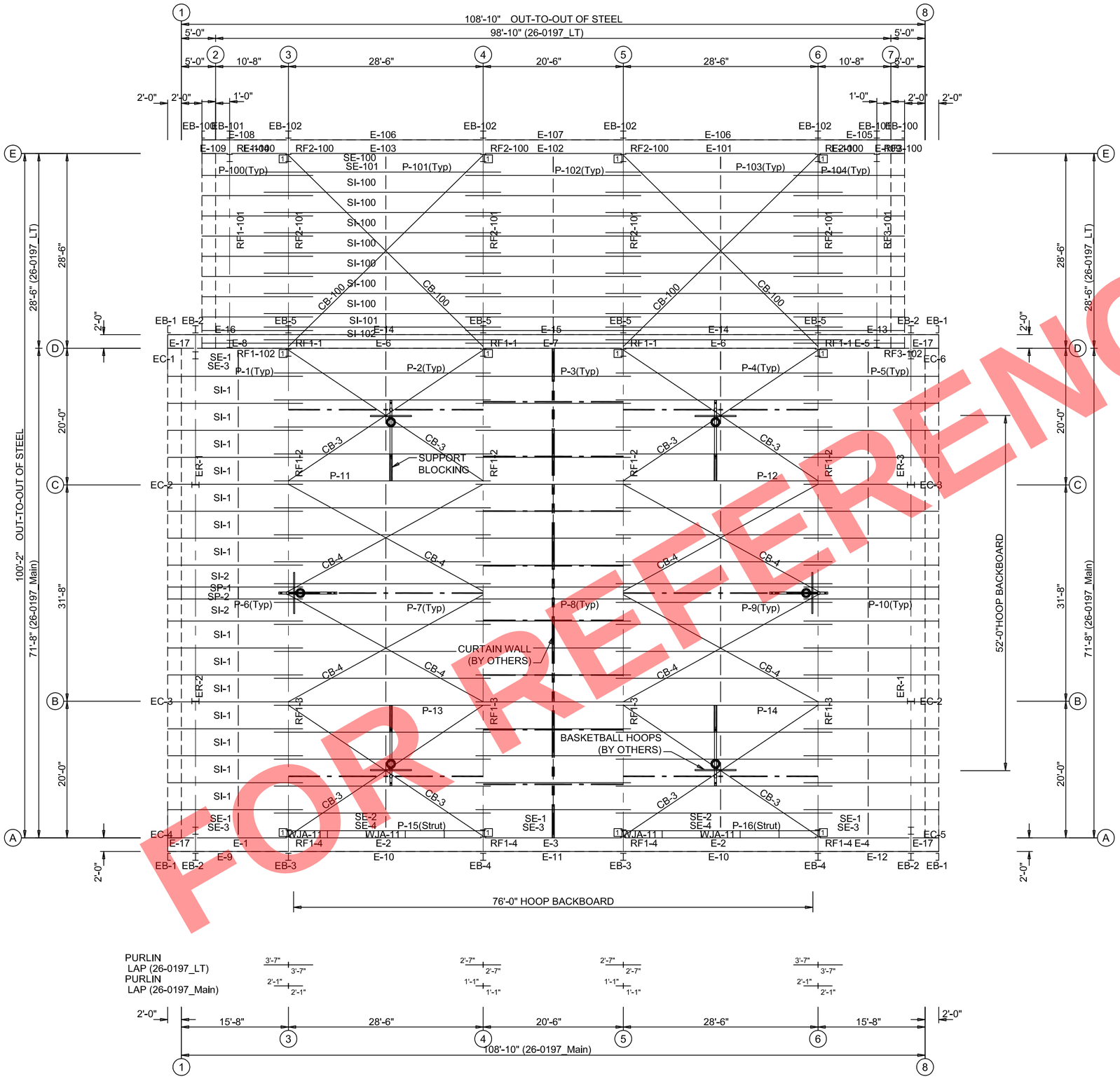
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JOB ID: 26-0197R5



ROOF FRAMING PLAN

FOR REFERENCE

EXTENSION/CANOPY BOLTS
ROOF PLAN

MARK	QUAN	TYPE	DIA	LENGTH
EB-2	4	A325	5/8"	2 1/4"
EB-3	4	A325	5/8"	2 1/4"
EB-4	4	A325	5/8"	2 1/4"
EB-5	4	A325	5/8"	2 1/4"
EB-101	4	A325	5/8"	2 1/4"
EB-102	4	A325	5/8"	2 1/4"

MEMBER TABLE
ROOF PLAN

MARK	PART	LENGTH
26-0197_Main		
EB-1	OT1013-4	5'-11 1/2"
EB-2	W10X12	2'-8 5/8"
EB-3	W10X12	2'-8 3/8"
EB-4	W10X12	2'-8 3/8"
EB-5	W10X12	2'-8 3/8"
P-1	Z1003004	19'-9"
P-2	Z1003004	31'-8"
P-3	Z1003004	22'-8"
P-4	Z1003004	31'-8"
P-5	Z1003004	19'-9"
P-6	Z1003004	19'-9"
P-7	Z1003004	31'-8"
P-8	Z1003004	22'-8"
P-9	Z1003004	31'-8"
P-10	Z1003004	19'-9"
P-11	Z1003002	31'-8"
P-12	Z1003002	31'-8"
P-13	Z1003002	31'-8"
P-14	Z1003002	31'-8"
P-15	Z1003006	27'-7 9/16"
P-16	Z1003006	27'-7 9/16"
E-1	EP105214	14'-0"
E-2	EP105214	27'-10"
E-3	EP105214	19'-10"
E-4	EP105214	14'-0"
E-5	EP105214	14'-0"
E-6	EP105214	27'-10"
E-7	EP105214	19'-10"
E-8	EP105214	14'-0"
E-9	C1003006	17'-7"
E-10	C1003002	28'-4"
E-11	C1003006	20'-4"
E-12	C1003006	17'-7"
E-13	C1003006	17'-7"
E-14	C1003002	28'-4"
E-15	C1003006	20'-4"
E-16	C1003006	17'-7"
E-17	EP105214	2'-8"
CB-3	075 ROD	34'-5"
CB-4	063 ROD	32'-9"
SP-1	050SROD	1'-3 3/16"
SP-2	050SROD	1'-2 1/2"
SI-1	L1X1X125	3'-11 11/16"
SI-2	L1X1X125	3'-2 3/4"
SE-1	L1X1X125	3'-9 5/8"
SE-2	L1X1X125	2'-9 5/8"
SE-3	L1X1X125	3'-10 1/4"
SE-4	L1X1X125	2'-10 1/4"
WJA-11	WJA-	11"
26-0197_LT		
EB-100	OT1013-4	5'-0 5/16"
EB-101	W10X12	2'-8 5/8"
EB-102	W10X12	2'-8 3/8"
P-100	Z1003004	16'-3"
P-101	Z1003002	34'-8"
P-102	Z1003004	25'-8"
P-103	Z1003002	34'-8"
P-104	Z1003004	16'-3"
E-100	EP105214	9'-0"
E-101	EP105214	27'-10"
E-102	EP105214	19'-10"
E-103	EP105214	27'-10"
E-104	EP105214	9'-0"
E-105	C1003006	12'-7"
E-106	C1003002	28'-4"
E-107	C1003006	20'-4"
E-108	C1003006	12'-7"
E-109	EP105214	2'-8"
CB-100	063 ROD	39'-3 1/2"
SI-100	L1X1X125	2'-11 11/16"
SI-101	L1X1X125	1'-11 11/16"
SI-102	L1X1X125	1'-10 3/8"
SE-100	L1X1X125	2'-10 7/16"
SE-101	L1X1X125	2'-11 1/8"

CONNECTION PLATES
ROOF PLAN

ID	MARK/PART
1	ESC8

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PROJ: Gym
TITLE: ROOF FRAMING
DEALER: VE Services

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DATE: 7/17/26
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PAGE: A2 OF A14
JOB ID: 26-0197R5

EXTENSION/CANOPY BOLTS ROOF PLAN				
MARK	QUAN	TYPE	DIA	LENGTH
EB-2	4	A325	5/8"	2 1/4"
EB-3	4	A325	5/8"	2 1/4"
EB-4	4	A325	5/8"	2 1/4"
EB-5	4	A325	5/8"	2 1/4"
EB-101	4	A325	5/8"	2 1/4"
EB-102	4	A325	5/8"	2 1/4"



FOR REFERENCE

ROOF SHEETING PLAN

PANELS: 24 Ga. MS20 - Medium Bronze

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PROJ: Gym

TITLE: ROOF SHEETING

DEALER: VE Services

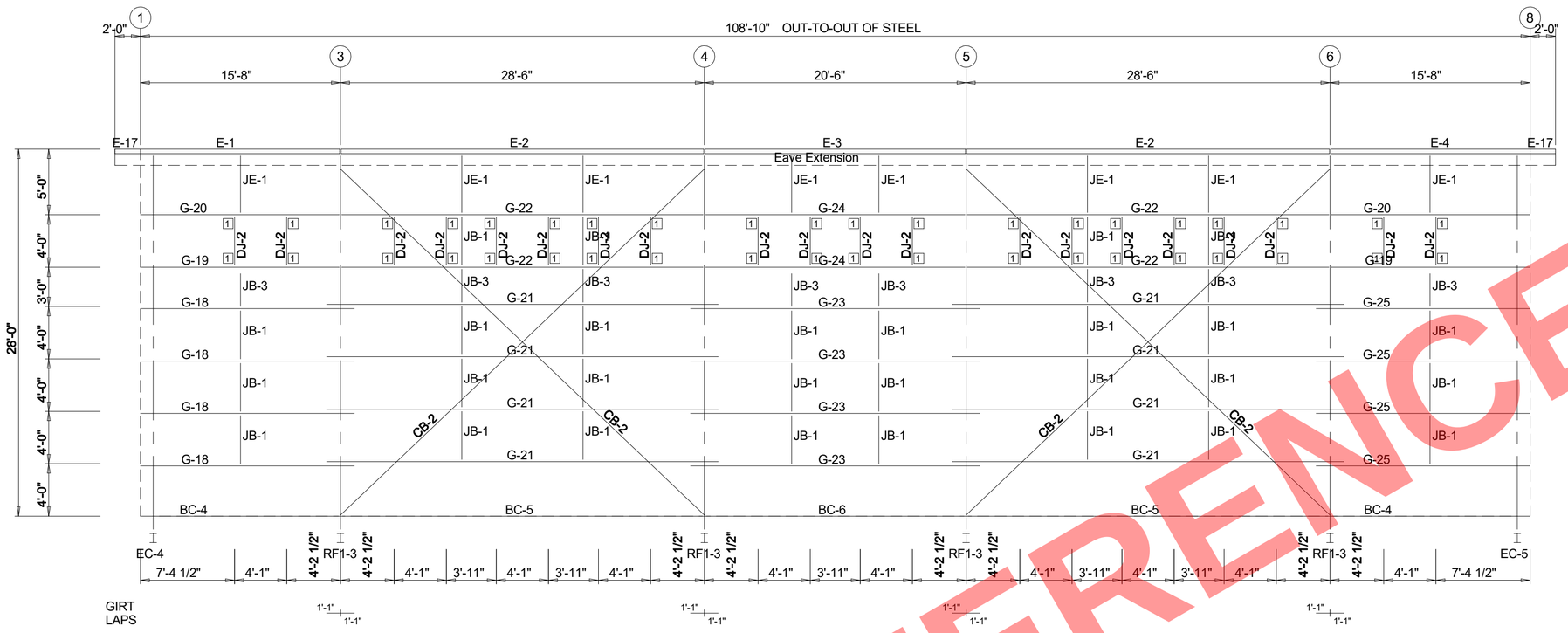
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MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
DJ-2	C0802506	3'-10"
E-1	EP105214	14'-0"
E-2	EP105214	27'-10"
E-3	EP105214	19'-10"
E-4	EP105214	14'-0"
E-17	EP105214	2'-8"
G-18	Z0802506	16'-8"
G-19	C0802506	15'-6"
G-20	C0802506	15'-6"
G-21	Z0802506	30'-8"
G-22	C0802506	28'-4"
G-23	Z0802506	22'-8"
G-24	C0802506	20'-4"
G-25	Z0802506	16'-8"
BC-4	C0802506	15'-6 7/8"
BC-5	C0802506	28'-5 3/4"
BC-6	C0802506	20'-5 3/4"
CB-2	125 ROD	39'-4"
JB-1	L1X1X125	3'-11 11/16"
JE-1	L1X1X125	3'-11 3/4"
JB-3	L1X1X125	2'-11 11/16"

CONNECTION PLATES FRAME LINE A	
☐ID	MARK/PART
1	AL-1



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. RPBR - Desert Brown

FOR REFERENCE

REVISION		DATE
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PROJ: Gym

TITLE: SIDEWALL FRAMING

DEALER: VE Services

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PMSB STEEL BUILDINGS
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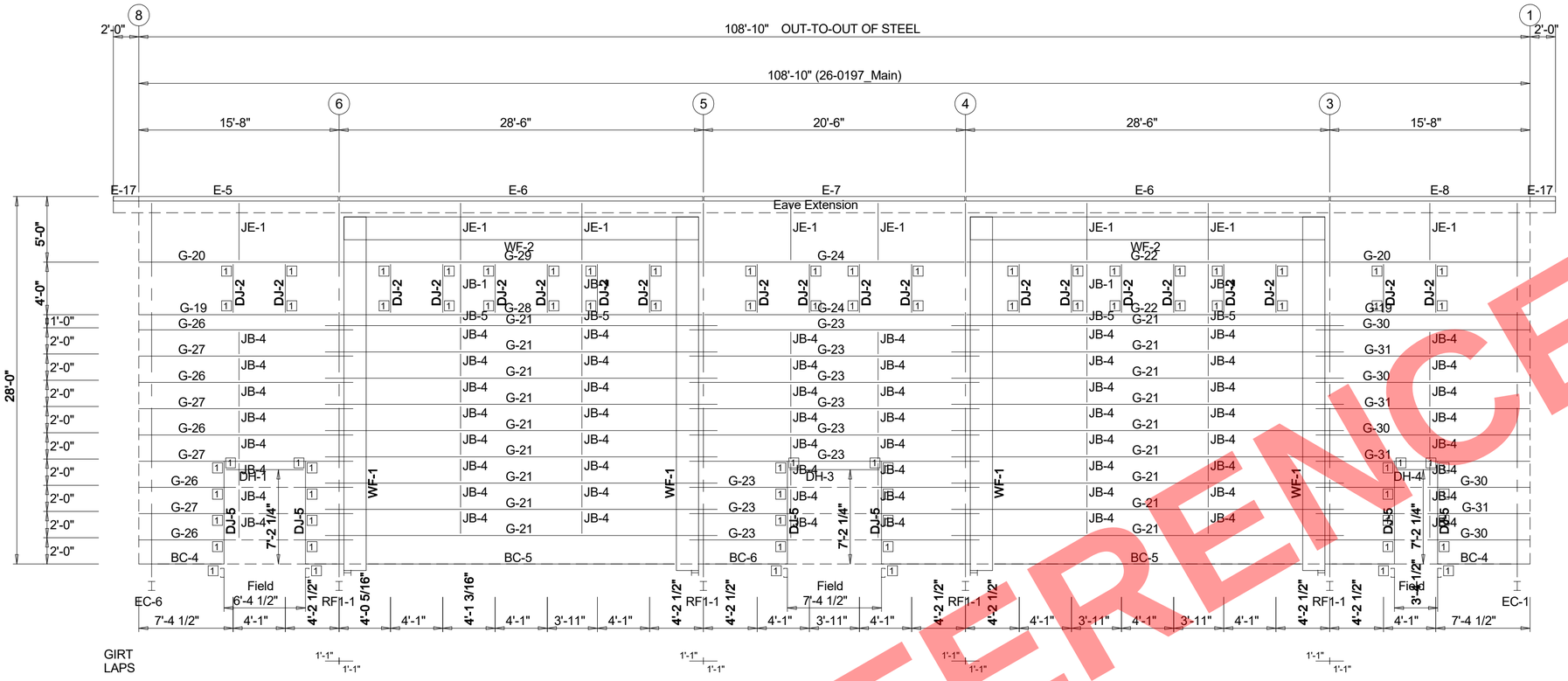
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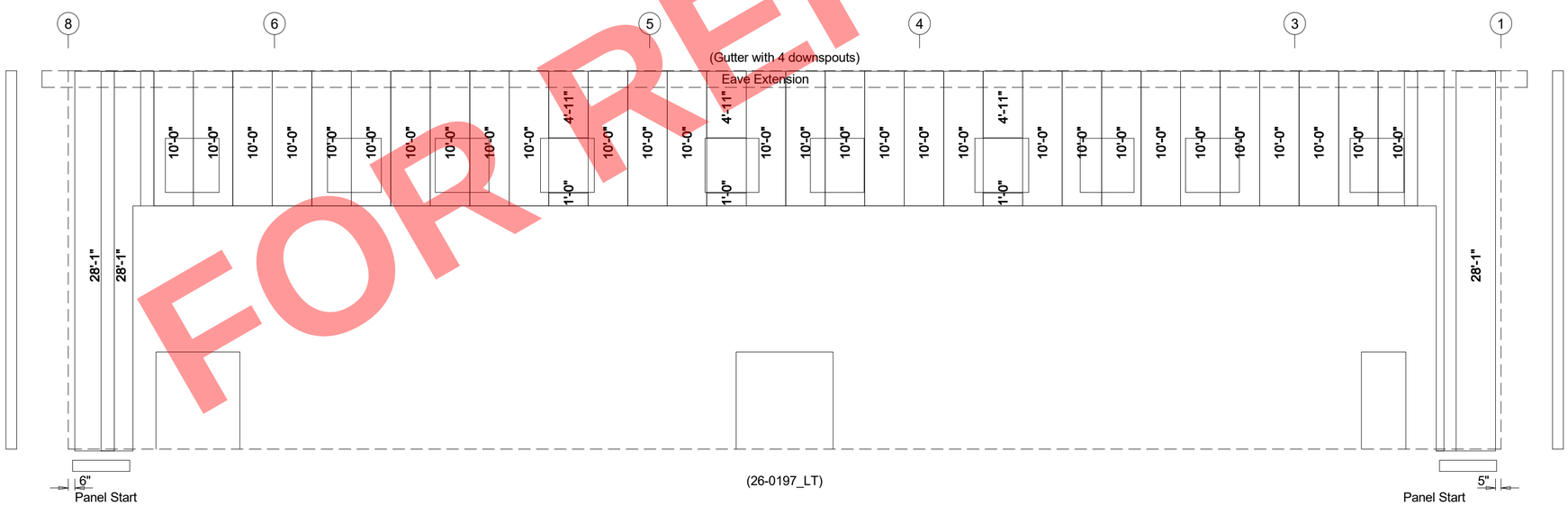
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MEMBER TABLE FRAME LINE D		
MARK	PART	LENGTH
WF-1	W21X55	27'-3 7/8"
WF-2	W21X55	25'-0 1/16"
DJ-2	C0802506	3'-10"
DJ-5	C0802506	7'-8"
DH-1	c0802506	6'-4 1/2"
DH-3	c0802506	7'-4 1/2"
DH-4	c0802506	3'-4 1/2"
E-5	EP105214	14'-0"
E-6	EP105214	27'-10"
E-7	EP105214	19'-10"
E-8	EP105214	14'-0"
E-17	EP105214	2'-8"
G-19	C0802506	15'-6"
G-20	C0802506	15'-6"
G-21	Z0802506	30'-8"
G-22	C0802506	28'-4"
G-23	Z0802506	22'-8"
G-24	C0802506	20'-4"
G-26	Z0802506	16'-8"
G-27	Z0802506	16'-8"
G-28	C0802506	28'-4"
G-29	C0802506	28'-4"
G-30	Z0802506	16'-8"
G-31	Z0802506	16'-8"
BC-4	C0802506	15'-6 7/8"
BC-5	C0802506	28'-5 3/4"
BC-6	C0802506	20'-5 3/4"
JB-1	L1X1X125	3'-11 11/16"
JE-1	L1X1X125	3'-11 3/4"
JB-4	L1X1X125	1'-11 11/16"
JB-5	L1X1X125	11 11/16"

CONNECTION PLATES FRAME LINE D	
ID	MARK/PART
1	AL-1



SIDEWALL FRAMING: FRAME LINE D



SIDEWALL SHEETING & TRIM: FRAME LINE D

PANELS: 26 Ga. RPBR - Desert Brown

FOR REFERENCE

REVISION		DATE
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PROJ: Gym

TITLE: SIDEWALL FRAMING

DEALER: VE Services

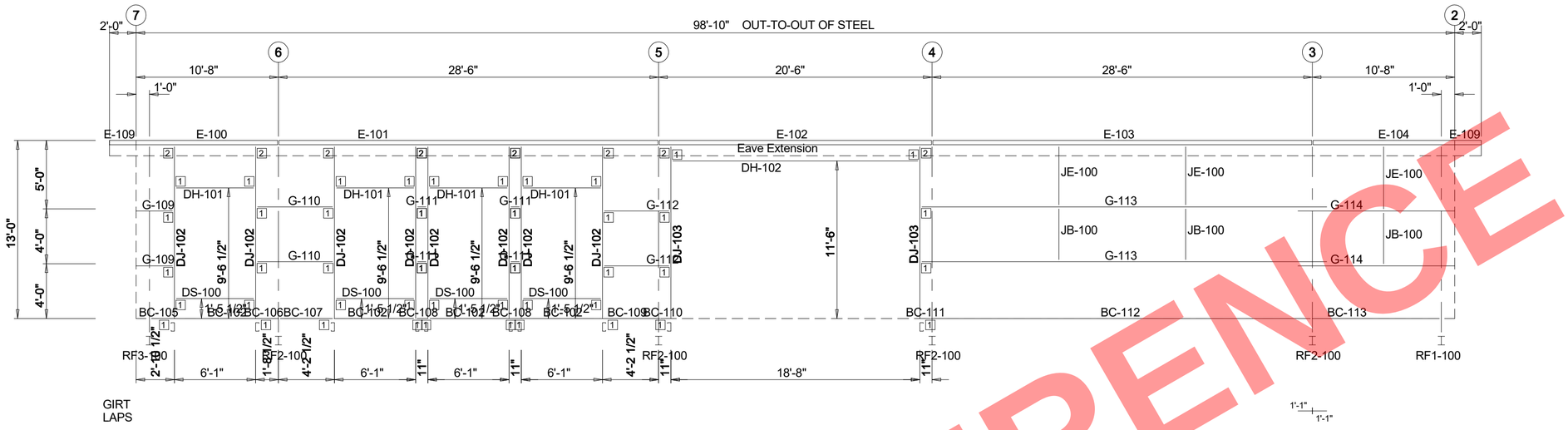
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HUBBARD, OR 97032
PHONE: (503)-981-6300

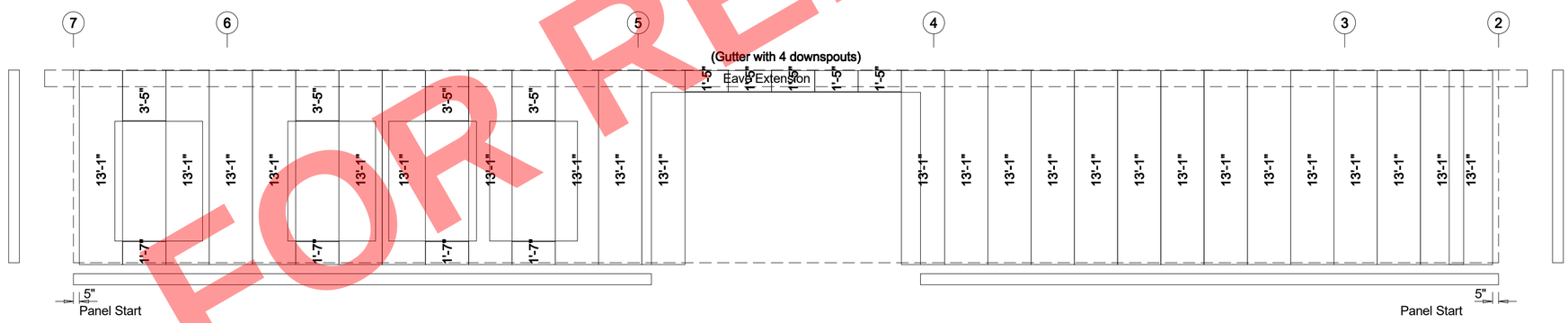
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JOB ID: 26-0197R5

MEMBER TABLE FRAME LINE E		
MARK	PART	LENGTH
DJ-102	C0802506	12'-0 7/8"
DJ-103	C0802506	12'-0 7/8"
DH-101	c0802506	6'-1"
DH-102	c0802506	18'-8"
DS-100	c0802506	6'-1"
E-100	EP105214	9'-0"
E-101	EP105214	27'-10"
E-102	EP105214	19'-10"
E-103	EP105214	27'-10"
E-104	EP105214	9'-0"
E-109	EP105214	2'-8"
G-109	Z0802506	2'-5 1/2"
G-110	Z0802506	5'-3"
G-111	Z0802506	3"
G-112	Z0802506	4'-5 1/2"
G-113	Z0802506	30'-2"
G-114	Z0802506	11'-8"
BC-102	C0802506	5'-11"
BC-105	C0802506	2'-5 1/2"
BC-106	C0802506	1'-4 3/8"
BC-107	C0802506	3'-10 3/8"
BC-108	C0802506	3"
BC-109	C0802506	3'-10 3/8"
BC-110	C0802506	6 7/8"
BC-111	C0802506	6 7/8"
BC-112	C0802506	28'-5 3/4"
BC-113	C0802506	10'-6 7/8"
JB-100	L1X1X125	3'-11 11/16"
JE-100	L1X1X125	3'-11 3/4"

CONNECTION PLATES FRAME LINE E	
ID	MARK/PART
1	AL-1
2	DJC-8



SIDEWALL FRAMING: FRAME LINE E



SIDEWALL SHEETING & TRIM: FRAME LINE E

PANELS: 26 Ga. RPBR - Cocoa Brown

FOR REFERENCE

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PROJ: Gym

TITLE: SIDEWALL FRAMING

DEALER: VE Services

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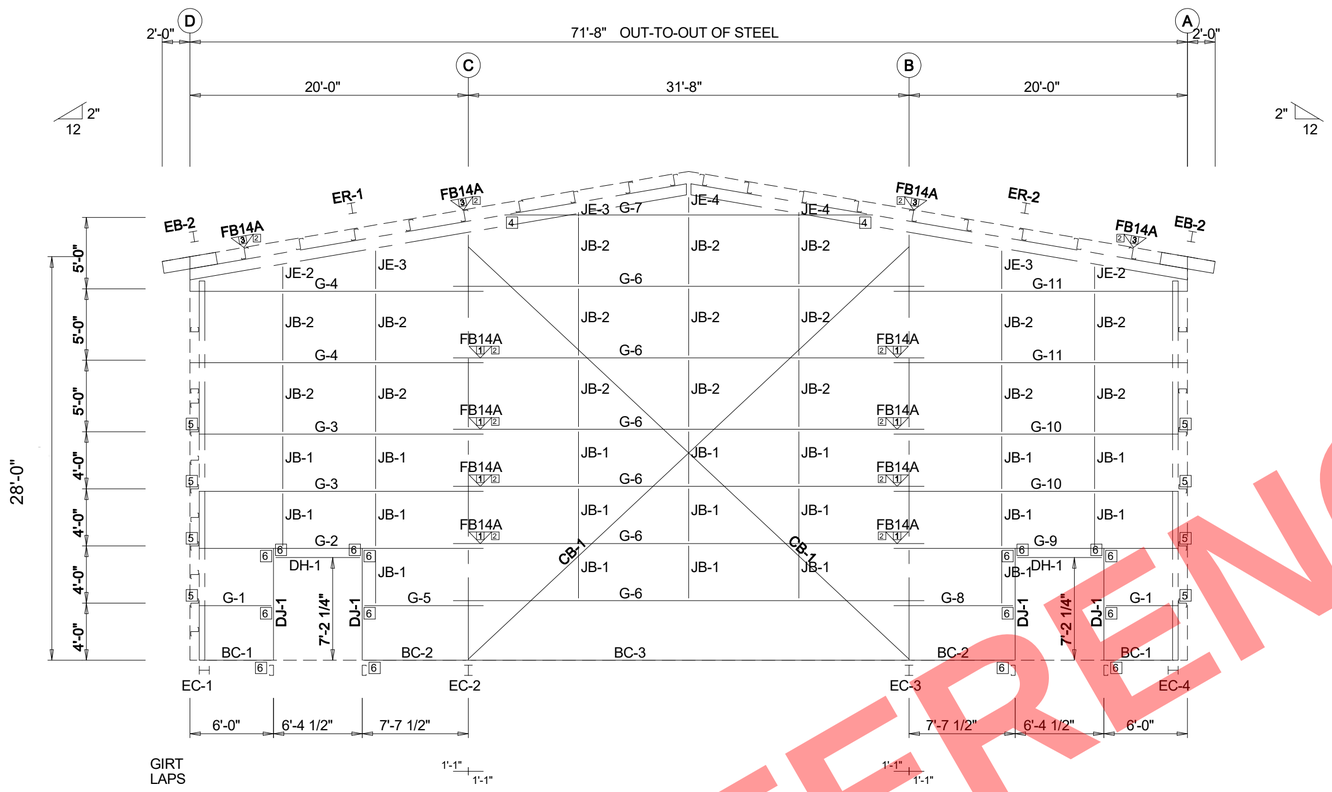
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PAGE: A6 OF A14

JOB ID: 26-0197R5

MEMBER TABLE FRAME LINE 1		
MARK	PART	LENGTH
EB-2	W10X12	2'-8 5/8"
EC-1	W8X10	27'-7 9/16"
EC-2	W12X14	29'-9 1/8"
EC-3	W12X14	29'-9 1/8"
EC-4	W8X10	27'-7 9/16"
ER-1	W12X14	35'-1 13/16"
ER-2	W12X14	35'-1 13/16"
DJ-1	C0802506	7'-8"
DH-1	c0802506	6'-4 1/2"
G-1	Z0802506	4'-11"
G-2	Z0802506	20'-4"
G-3	Z0802506	20'-4"
G-4	Z0802506	21'-0"
G-5	Z0802506	8'-4 1/2"
G-6	Z0802506	33'-10"
G-7	Z0802504	28'-6 3/8"
G-8	Z0802506	8'-4 1/2"
G-9	Z0802506	20'-4"
G-10	Z0802506	20'-4"
G-11	Z0802506	21'-0"
BC-1	C0802506	4'-11"
BC-2	C0802506	7'-3 3/8"
BC-3	C0802506	31'-7 3/4"
CB-1	075 ROD	43'-3"
JB-1	L1X1X125	3'-11 11/16"
JB-2	L1X1X125	4'-11 11/16"
JE-2	L1X1X125	1'-4"
JE-3	L1X1X125	2'-5 3/8"
JE-4	L1X1X125	1'-2 3/8"

CONNECTION PLATES FRAME LINE 1	
ID	MARK/PART
1	FBP-8S
2	FBP-1
3	FBP-10S
4	ALR0812
5	CC-84
6	AL-1



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. RPBR - Desert Brown

FOR REFERENCE

REVISION		DATE
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PROJ: Gym

TITLE: ENDWALL FRAMING

DEALER: VE Services

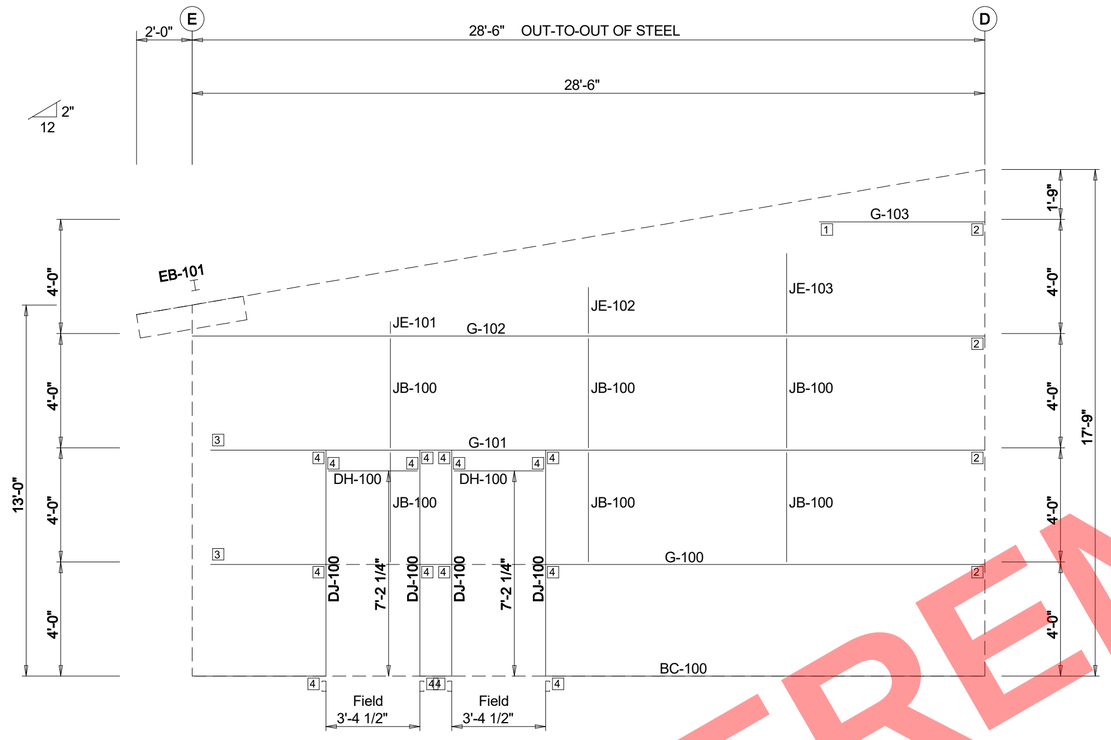
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JOB ID: 26-0197R5

MEMBER TABLE FRAME LINE 2		
MARK	PART	LENGTH
EB-101	W10X12	2'-8 5/8"
DJ-100	C0802506	7'-8"
DH-100	c0802506	3'-4 1/2"
G-100	Z0802506	27'-9"
G-101	Z0802502	27'-9"
G-102	Z0802504	28'-5"
G-103	Z0802506	5'-5 3/16"
BC-100	C0802506	27'-8"
JB-100	L1X1X125	3'-11 11/16"
JE-101	L1X1X125	1'-2"
JE-102	L1X1X125	2'-4 1/4"
JE-103	L1X1X125	3'-6 1/2"

CONNECTION PLATES FRAME LINE 2	
ID	MARK/PART
1	ALR0812
2	r101
3	CC-84
4	AL-1



ENDWALL FRAMING: FRAME LINE 2



ENDWALL SHEETING & TRIM: FRAME LINE 2

PANELS: 26 Ga. RPBR - Cocoa Brown

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PROJ: Gym

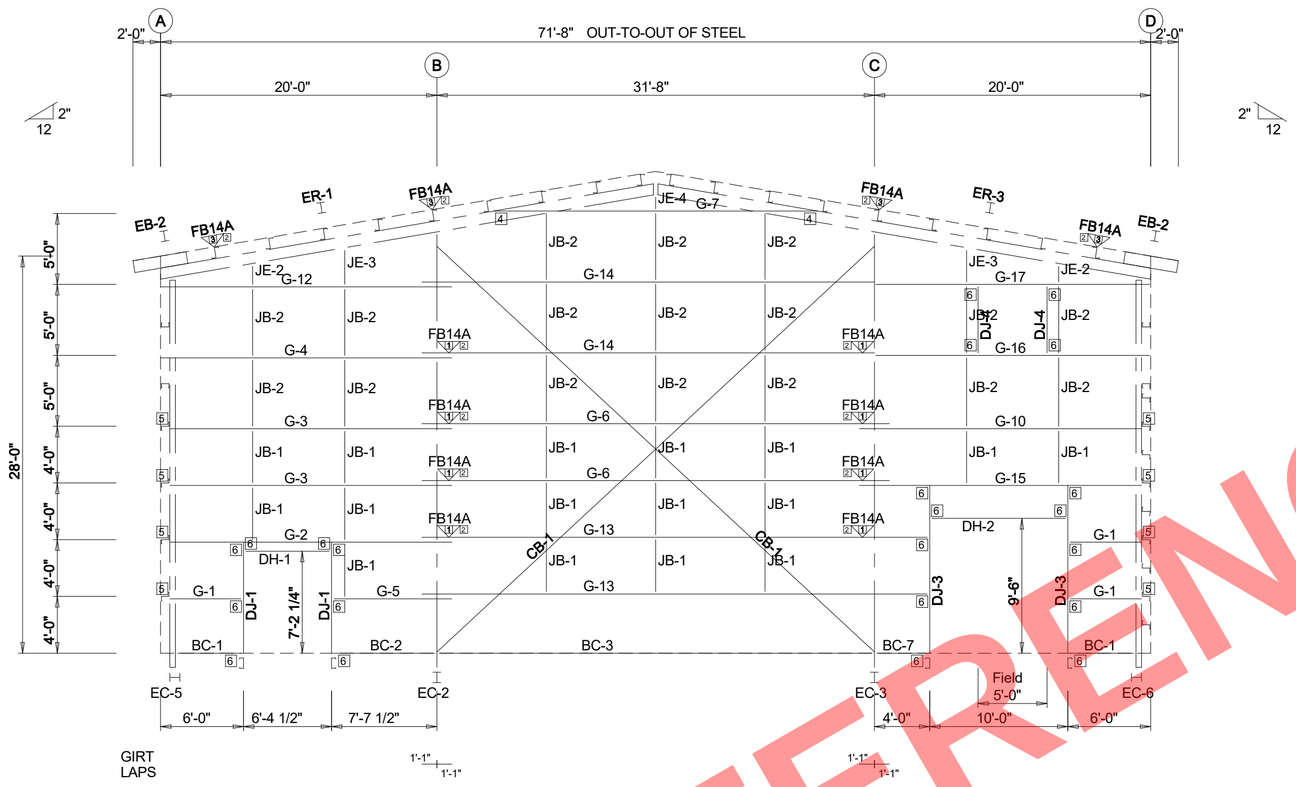
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DEALER: VE Services

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ENDWALL FRAMING: FRAME LINE 8



ENDWALL SHEETING & TRIM: FRAME LINE 8

PANELS: 26 Ga. RPBR - Desert Brown

MEMBER TABLE
FRAME LINE 8

MARK	PART	LENGTH
EB-2	W10X12	2'-8 5/8"
EC-2	W12X14	30'-6 1/8"
EC-3	W12X14	30'-6 1/8"
EC-5	W8X10	28'-4 9/16"
EC-6	W8X10	28'-4 9/16"
ER-1	W12X14	35'-1 13/16"
ER-3	W12X14	35'-1 13/16"
DJ-1	C0802506	7'-8"
DJ-3	C0802506	11'-8"
DJ-4	C0802506	4'-10"
DH-1	c0802506	6'-4 1/2"
DH-2	c0802506	10'-0"
G-1	Z0802506	4'-11"
G-2	Z0802506	20'-4"
G-3	Z0802506	20'-4"
G-4	Z0802506	21'-0"
G-5	Z0802506	8'-4 1/2"
G-6	Z0802506	33'-10"
G-7	Z0802506	25'-6 3/8"
G-10	Z0802506	20'-4"
G-12	Z0802504	21'-0"
G-13	Z0802506	36'-5"
G-14	Z0802504	32'-8"
G-15	Z0802506	20'-4"
G-16	C0802506	19'-10"
G-17	C0802506	19'-10"
BC-1	C0802506	4'-11"
BC-2	C0802506	7'-3 3/8"
BC-3	C0802506	31'-7 3/4"
BC-7	C0802506	3'-7 7/8"
CB-1	075 ROD	43'-1"
JB-1	L1X1X125	3'-11 11/16"
JB-2	L1X1X125	4'-11 11/16"
JE-2	L1X1X125	1'-1"
JE-3	L1X1X125	2'-2 3/8"
JE-4	L1X1X125	11 3/8"

CONNECTION PLATES
FRAME LINE 8

ID	MARK/PART
1	FBP-8S
2	FBP-1
3	FBP-10S
4	ALR0812
5	CC-84
6	AL-1

FOR REFERENCE

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PROJ: Gym

TITLE: ENDWALL FRAMING

DEALER: VE Services

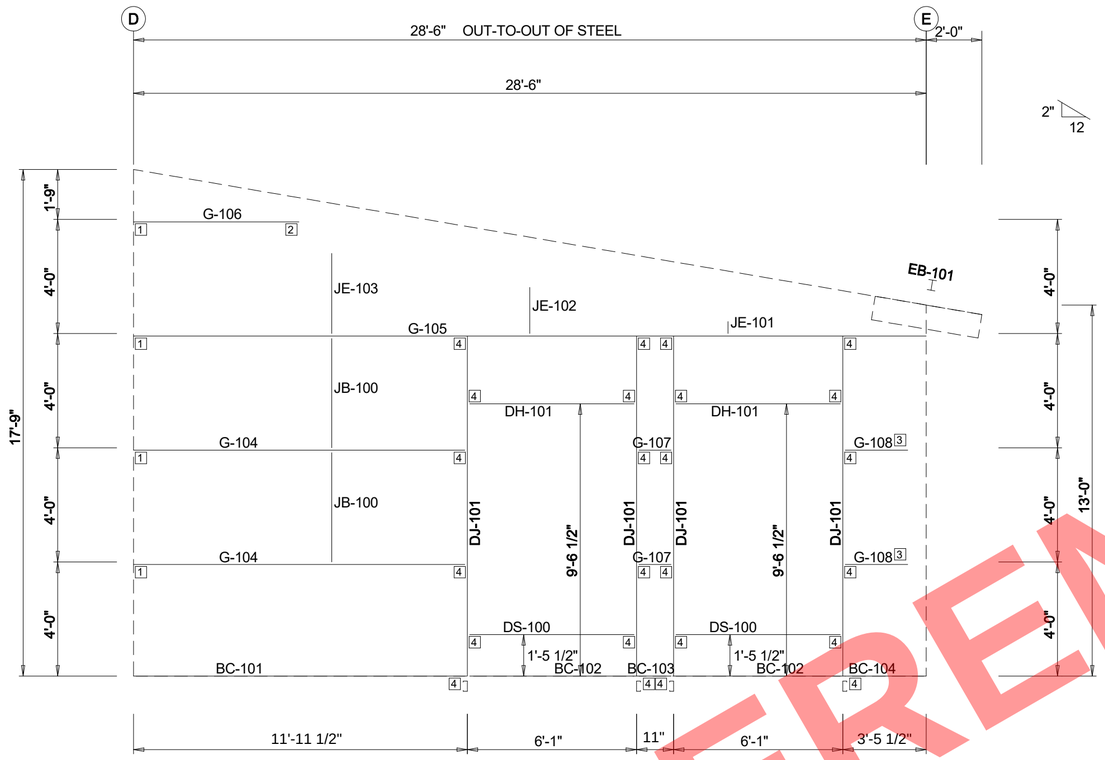
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PMSB STEEL BUILDINGS
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HUBBARD, OR 97032
PHONE: (503)-981-6300

DATE: 7/17/26
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JOB ID: 26-0197R5

MEMBER TABLE FRAME LINE 7		
MARK	PART	LENGTH
EB-101	W10X12	2'-8 5/8"
DJ-101	C0802506	11'-8"
DH-101	c0802506	**6'-1"**
DS-100	c0802506	**6'-1"**
G-104	Z0802506	11'-8"
G-105	Z0802502	28'-5"
G-106	Z0802506	5'-5 3/16"
G-107	Z0802506	1'-0"
G-108	Z0802506	2'-3"
BC-101	C0802506	11'-7"
BC-102	C0802506	5'-11"
BC-103	C0802506	8"
BC-104	C0802506	1'-11"
JB-100	L1X1X125	3'-11 11/16"
JE-101	L1X1X125	1'-2"
JE-102	L1X1X125	2'-4 1/4"
JE-103	L1X1X125	3'-6 1/2"

CONNECTION PLATES FRAME LINE 7	
ID	MARK/PART
1	r101
2	ALR0812
3	CC-84
4	AL-1



ENDWALL FRAMING: FRAME LINE 7



ENDWALL SHEETING & TRIM: FRAME LINE 7

PANELS: 26 Ga. RPBR - Cocoa Brown

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PROJ: Gym

TITLE: ENDWALL FRAMING

DEALER: VE Services

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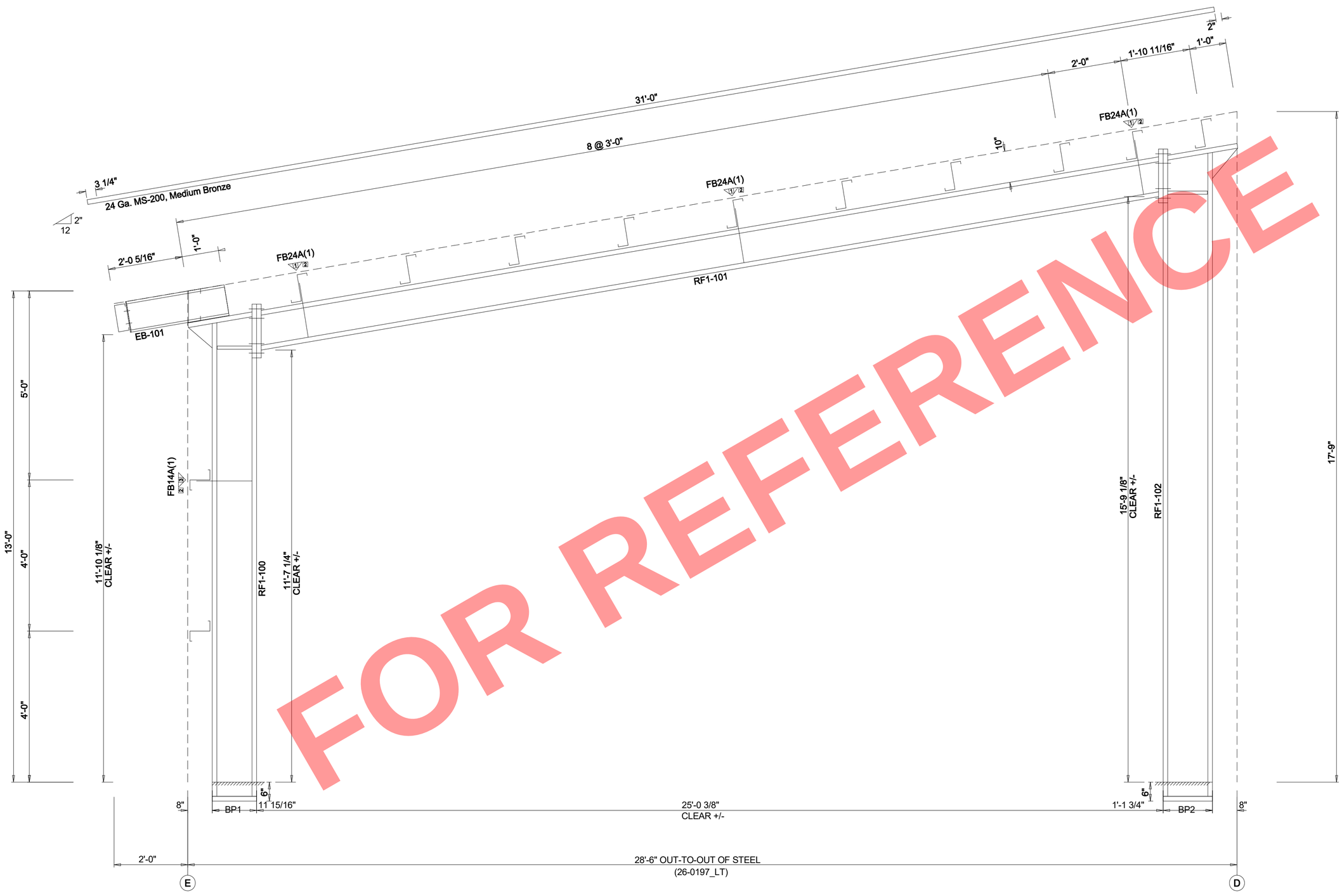
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FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): xx=length(in)
A - L2x2x1/8

MEMBER SIZE TABLE			
MARK	MEMBER	LENGTH	WEIGHT
RF1-100	W12X14	12'-9 3/16"	224
RF1-101	W10X12	25'-4 1/2"	357
RF1-102	W14X22	17'-3 1/2"	429
EB-101	W10X12	2'-8 5/8"	40

CONNECTION PLATES	
ID	Mark/Part
1	FBP-10S
2	FBP-1
3	FBP-8S



FOR REFERENCE

RIGID FRAME ELEVATION: FRAME LINE 2

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PROJ: Gym
TITLE: RIGID FRAME ELEVATION
DEALER: VE Services

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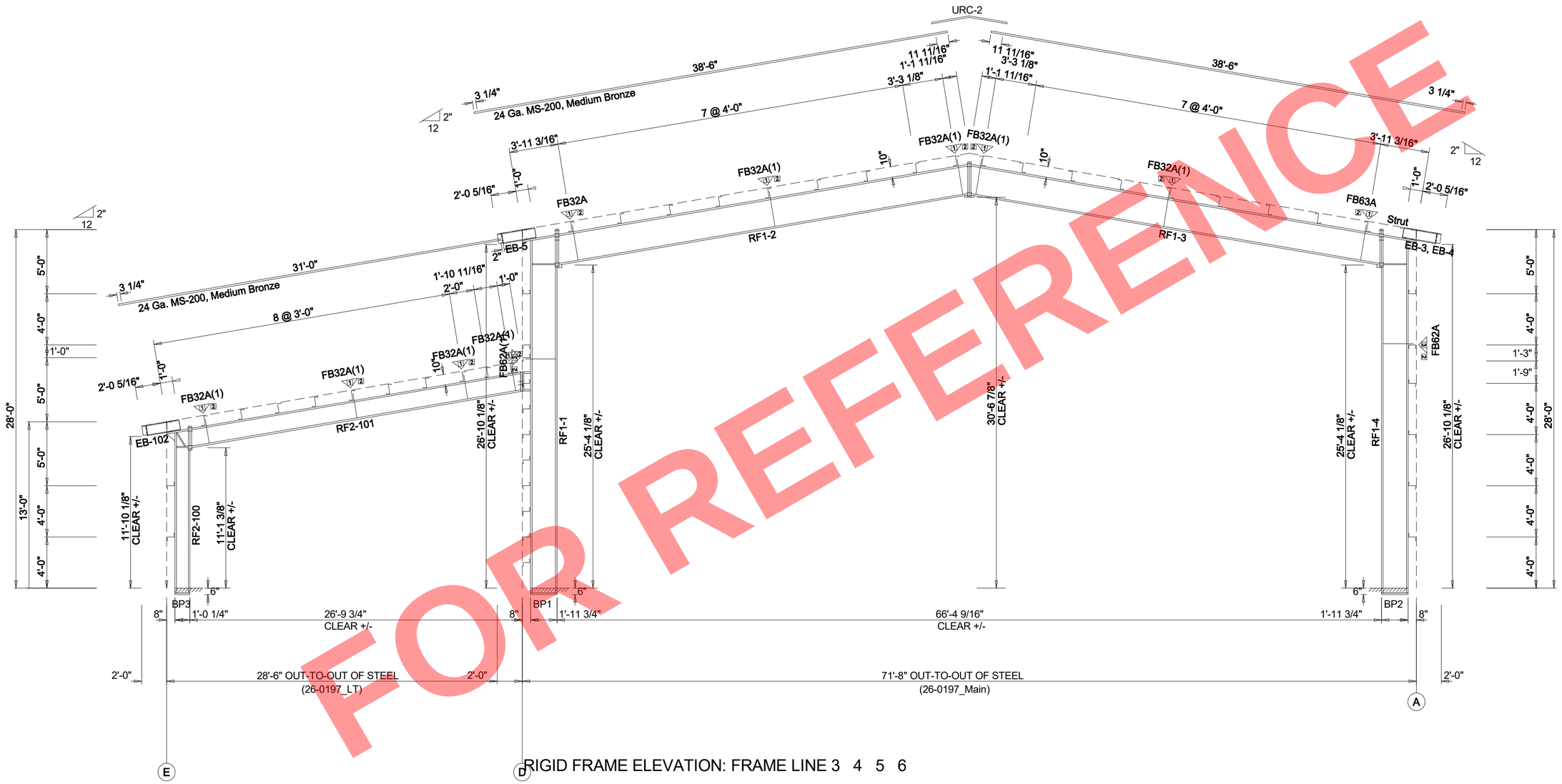
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FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): xx=length(in)
A - L2x2x1/8

MEMBER SIZE TABLE			
MARK	MEMBER	LENGTH	WEIGHT
RF1-1	W24X62	27'-9 3/16"	1935
RF1-2	W27X84	33'-7 3/4"	2998
RF1-3	W27X84	33'-7 3/4"	2998
RF1-4	W24X68	27'-9 3/16"	2061
EB-3	W10X12	2'-8 3/8"	43
EB-4	W10X12	2'-8 3/8"	43
EB-5	W10X12	2'-8 3/8"	40
RF2-100	W12X26	12'-9 3/16"	396
RF2-101	W16X26	27'-2 1/4"	775

CONNECTION PLATES	
ID	Mark/Part
1	FBP-10S
2	FBP-1
3	FBP-8S



RIGID FRAME ELEVATION: FRAME LINE 3 4 5 6

FOR REFERENCE

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PROJ: Gym
TITLE: RIGID FRAME ELEVATION
DEALER: VE Services

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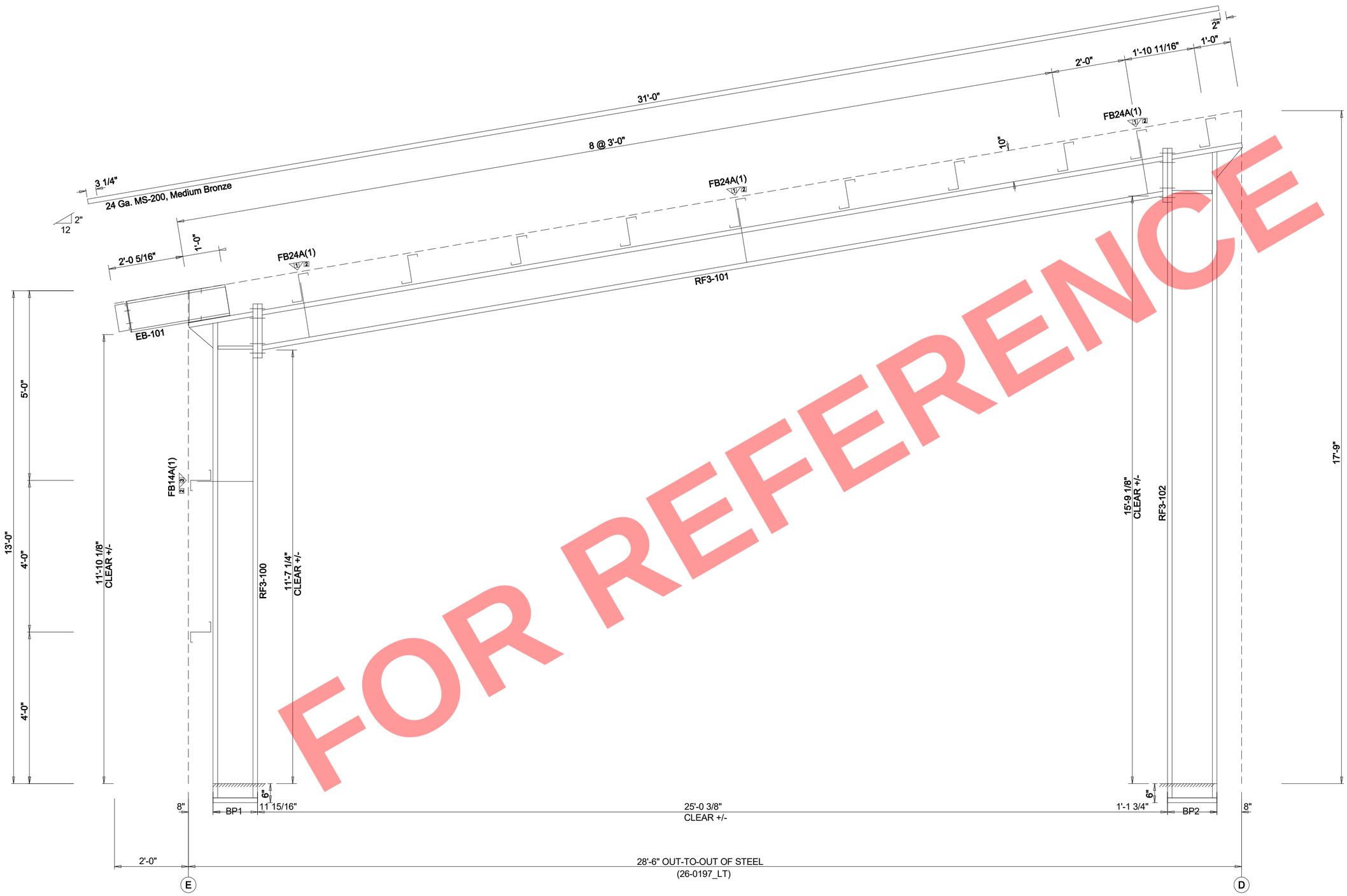
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FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): xx=length(in)
A - L2x2x1/8

MEMBER SIZE TABLE			
MARK	MEMBER	LENGTH	WEIGHT
RF3-100	W12X14	12'-9 3/16"	224
RF3-101	W10X12	25'-4 1/2"	357
RF3-102	W14X22	17'-3 1/2"	429
EB-101	W10X12	2'-8 5/8"	40

CONNECTION PLATES	
ID	Mark/Part
1	FBP-10S
2	FBP-1
3	FBP-8S



FOR REFERENCE

RIGID FRAME ELEVATION: FRAME LINE 7

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PROJ: Gym
TITLE: RIGID FRAME ELEVATION
DEALER: VE Services

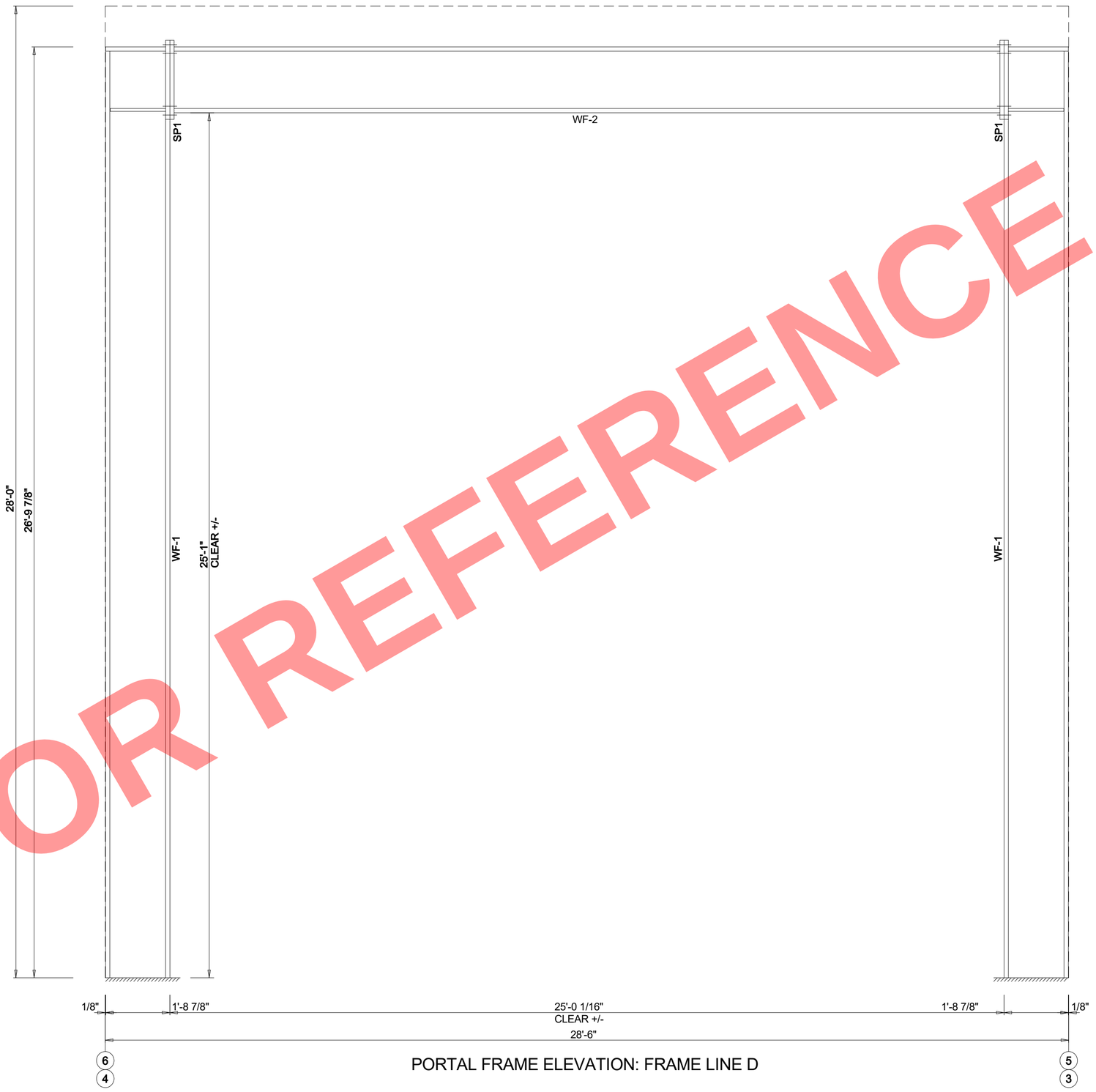
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SPLICE PLATES & BOLTS								
Splice Mark	Quan Top/	Bot	-----Bolt----- Type	Dia	Length	Plate Size Width	Thick	Length
SP1	4	4	A325	1 1/8	3 1/2"	10"	1"	2'-4 1/4"

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
WF-2	W21X55	25'-0 1/16"
WF-1	W21X55	26'-9 7/8"



PORTAL FRAME ELEVATION: FRAME LINE D

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PROJ: Gym

TITLE: Portal Frame Elevation

DEALER: VE Services

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JOB ID: 26-0197R5

TULALIP TRIBES BETTY J TAYLOR
EARLY LEARNING ACADEMY GYM - PHASE 1

PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	END CAP		BALL VALVE	PT	PRESSURE TRANSDUCER
	CONCENTRIC REDUCER		BUTTERFLY VALVE		AREA DRAIN
	FLOW ARROW		CHECK VALVE		FLOOR CLEANOUT
	PIPE DROP		CIRCUIT SETTER		FLOOR DRAIN
	PIPE RISER		GATE VALVE		FLOOR SINK, SQUARE OR ROUND
	TEE UP		GLOBE VALVE		HUB DRAIN
	TEE DOWN		NEEDLE VALVE		OVERFLOW DRAIN
	UNION		RELIEF VALVE		ROOF DRAIN
	P-TRAP		PRESSURE REDUCING VALVE / GAS REGULATOR VALVE		ROOF RECEPTOR
	HOSE BIBB		PRESSURE SUSTAINING VALVE		WALL CLEANOUT
	GAS COCK		MOTORIZED 2W-CV	M	INDICATES ITEMS FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR
GM	GAS METER		MOTORIZED BUTTERFLY 2W-CV	E	INDICATES ITEMS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR
A	AQUASTAT		MOTORIZED 3W-CV		ELECTRICAL EQUIPMENT CONNECTION LOCATION BY ELECTRICAL CONTRACTOR
BFP	BACKFLOW PREVENTER		DRAIN VALVE WITH END CAP	XX-1	PLUMBING FIXTURE CALLOUT
	DOUBLE CONTAINMENT PIPE SLEEVE		AIR VENT - AUTO	WCO-1	PLUMBING FIXTURE CALLOUT x1.5
	FLEX CONNECTION		AIR VENT - MANUAL	XX / #	PLUMBING RISER TAG
	HAMMER ARRESTOR		MOTORIZED BUTTERFLY 3W-CV (DIVERTING)	EQ / #	PLUMBING EQUIPMENT TAG
FM	FLOW METER TURBINE		MOTORIZED BUTTERFLY 3W-CV (MIXING)	# / PLxx	DETAIL BUBBLE
	PUMP		BALL VALVE WITH HOSE CONNECTION		POC
	THERMOMETER		PRESSURE GAUGE WITH SHUT-OFF VALVE	X%	PIPE SLOPE
	VACUUM BREAKER		PLUG VALVE		REVISION CLOUD
	INSULATION		MIXING VALVE	1	REVISION DELTA
T	TEMPERATURE SENSOR & THERMOWELL	S	SOLENOID VALVE	1	SHEET NOTE
FM	FLOW METER INLINE		SEISMIC SHUT-OFF VALVE		
T	PETE'S PLUG		STRAINER WITH BLOW DOWN VALVE		
	AUTO FLOW CONTROL		STRAINER		

LINE TYPE	DESCRIPTION	LINE TYPE	DESCRIPTION
	DOMESTIC COLD WATER (DCW)		GREASE WASTE UNDERGROUND (GWUG)
	DOMESTIC HOT WATER (DHW)	GRWUG	GREY WATER WASTE UNDERGROUND
	DOMESTIC HOT WATER RETURN (DHWR)	GRW	GREY WATER WASTE (GRW-SUDS)
RCW	RECLAIMED/RECYCLED WATER		GREY WATER WASTE SUDS
ICW	INDUSTRIAL COLD WATER	SEPD	SEWAGE EJECTOR PUMPED DISCHARGE
IHW	INDUSTRIAL HOT WATER	SPD	SUMP PUMP DISCHARGE
IHWR	INDUSTRIAL HOT WATER RETURN	CD	CONDENSATE DRAIN
IRR	IRRIGATION WATER	Ar	ARGON
TW	TEMPERED WATER	CA	COMPRESSED AIR
TP	TRAP PRIMER	CDA	CLEAN DRY AIR
FW	FILTERED WATER	IA	INSTRUMENT AIR
FOF	FUEL OIL FILL	LA	LAB AIR
FOR	FUEL OIL RETURN	N2	NITROGEN
FOS	FUEL OIL SUPPLY	O2	OXYGEN
FOV	FUEL OIL VENT	SG	SPECIALTY GAS
SFT	SOFT COLD WATER	LVAC	LAB VACUUM
NG	NATURAL GAS	PVAC	PROCESS VACUUM
MPG	NATURAL GAS - MEDIUM PRESSURE	HV	HOUSE VACUUM
HPG	NATURAL GAS - HIGH PRESSURE	DIR	DEIONIZED WATER RETURN
NGV	NATURAL GAS VENT	DIS	DEIONIZED WATER SUPPLY
	SANITARY WASTE UNDERGROUND (SWUG)	ROR	REVERSE OSMOSIS RETURN
	SANITARY WASTE (SW)	ROS	REVERSE OSMOSIS SUPPLY
	SANITARY WASTE SUDS (SW-SUDS)	PCWR	PROCESS COOLING WATER RETURN
	SANITARY VENT UNDERGROUND (SVUG)	PCWS	PROCESS COOLING WATER SUPPLY
	SANITARY VENT (SV)	LWUG	LAB WASTE UNDERGROUND
	STORM DRAIN UNDERGROUND (SDUG)	LW	LAB WASTE
	STORM DRAIN (SD)	LV	LAB VENT
	OVERFLOW DRAIN UNDERGROUND (ODUG)		
	OVERFLOW DRAIN (OD)		
GW	GREASE WASTE		

DRAWING INDEX

DRAWING INDEX KEY

- NOT INCLUDED WITH ISSUE
- ● NEW OR REVISED
- o NO CHANGES

SHEET NO	SHEET TITLE	DRAWING ISSUE: SD - PHASE 1 (DATE 05-26-2026)	PERMIT SET - PHASE 1 (07-22-2026)	PERMIT SET - PHASE 1 - R1 (09-08-2026)
	REVISION	1	2	3
P0.00	COVER SHEET	●	●	●
P0.01	CONSTRUCTION REQUIREMENTS			
P0.10	FIXTURE & EQUIPMENT SCHEDULES			
P2.00	UNDERGROUND PLUMBING PLAN	●	●	o
P2.01	1ST FLOOR PLUMBING PLAN			
P2.02	ROOF PLUMBING PLAN			
P4.01	WASTE & VENT RISER DIAGRAM			
P4.02	DOMESTIC WATER RISER DIAGRAM			
P5.02	PLUMBING DETAILS		●	o

ABBREVIATIONS

ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AD	AREA DRAIN	MH	MANHOLE
AFF	ABOVE FINISHED FLOOR	MS	MOP SINK
AHJ	AUTHORITY HAVING JURISDICTION	N	NEW
AP	ACCESS PANEL	NC	NORMALLY CLOSED
AW	AUTOMATIC CLOTHES WASHER	NIC	NOT IN CONTRACT
BFF	BELOW FINISHED FLOOR	NO	NORMALLY OPEN
BOP	BOTTOM OF PIPE	NPT	NATIONAL PIPE THREAD
BT	BATHTUB	NTS	NOT TO SCALE
CFF	CAP FOR FUTURE	OD	OVERFLOW DRAIN
COTG	CLEAN OUT TO GRADE	PD	PLANTER DRAIN
CTE	CONNECT TO EXISTING	POC	POINT OF CONNECTION
DF	DRINKING FOUNTAIN	PRV	PRESSURE REDUCING VALVE
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH
DN	DOWN	PSIG	POUNDS PER SQUARE INCH(GAUGE)
E	EXISTING	R	RELOCATED
ED	EMERGENCY DRAIN	RD	ROOF DRAIN
EL	ELEVATION	SD	STORM DRAIN
EWH	ELECTRIC WATER HEATER	SE	SEWAGE EJECTOR
EX	EXPANSION TANK	SH	SHOWER
F	FUTURE	SK	BREAK ROOM/COFFEE SINK
FCO	FLOOR CLEAN OUT	SOV	SHUT-OFF VALVE
FD	FLOOR DRAIN	TD	TRENCH DRAIN
FF	FINISH FLOOR	TMV	THERMOSTATIC MIXING VALVE
FS	FLOOR SINK	TP	TRAP PRIMER
GD	GUTTER DRAIN	TYP	TYPICAL
GPM	GALLONS PER MINUTE	UR	URINAL
GRV	GAS REGULATOR VALVE	V	VENT
GW	GREASE WASTE	V	VESSEL
HB	HOSE BIBB	VIF	VERIFY IN FIELD
HD	HUB DRAIN	VTR	VENT THROUGH ROOF
IE	INVERT ELEVATION	WC	WATER CLOSET
IW	INDIRECT WASTE	WCO	WALL CLEAN OUT
JS	JANITOR SINK	WM	WATER METER
KS	KITCHEN SINK		
LV	LAVATORY		
MFS	MEDIA FILTER SYSTEMS		

APPLICABLE CODES

WASHINGTON PLUMBING PROJECTS:

ALL WORK SHALL BE IN FULL ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES, LAWS AND REGULATIONS. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH, BUT NOT LIMITED TO:

- 2015 INTERNATIONAL BUILDING CODE WITH WA AMENDMENTS
- 2015 NATIONAL ELECTRICAL CODE WITH WA AMENDMENTS
- 2015 INTERNATIONAL MECHANICAL CODE WITH WA AMENDMENTS
- 2015 UNIFORM PLUMBING CODE WITH WA AMENDMENTS
- 2015 WASHINGTON STATE ENERGY CODE
- 2015 INTERNATIONAL FIRE CODE WITH WA AMENDMENTS

ALL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING ADDITIONAL GUIDELINES WHERE REQUIRED BY CODE:

- SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA)
- AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS (ASHRAE)
- AMERICAN SOCIETY OF PLUMBING ENGINEERS (ASPE)
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)
- AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)
- NATIONAL FIRE PROTECTION AGENCY (NFPA)
- OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)

SCOPE OF WORK

PLUMBING TO SUPPORT NEW GYM. PROJECT INCLUDES FULL BUILDING BACKFLOW PREVENTER, AND BATHROOMS. HOT WATER PROVIDED BY HEAT PUMP WATER HEATER AND AN INSTANTANEOUS ELECTRIC WATER HEATER.

PHASE 1 - UNDERGROUND

PHASE 2 - ABOVE GROUND

VICINITY MAP



NOTICE
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NOTICE
Plans are reviewed, accepting any errors or omissions. All work is subject to inspection in conformance with all applicable codes and regulations.

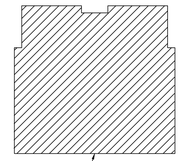
SITE COPY

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acco engineered systems
5300 DENVER AVENUE SOUTH
SEATTLE, WASHINGTON 98108
(206) 787-8500

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Reviewed for
Building Code Compliance for
Tulalip Tribes
By BHC Consultants:
Phil Cecere
09/17/2026
Permit # BP 2026-026
TELA Gym Phase 1



KEY PLAN

SANDRA CAMPOS
STATE OF WASHINGTON
47707
REGISTERED PROFESSIONAL ENGINEER
EXPIRES: 11/28/2026

No.	Date	Description	By
3	9/8/2026	PERMIT SET - PHASE 1 - R1	ADS
2	7/22/2026	PERMIT SET - PHASE 1	ADS
1	6/26/2026	SD - PHASE 1	ADS

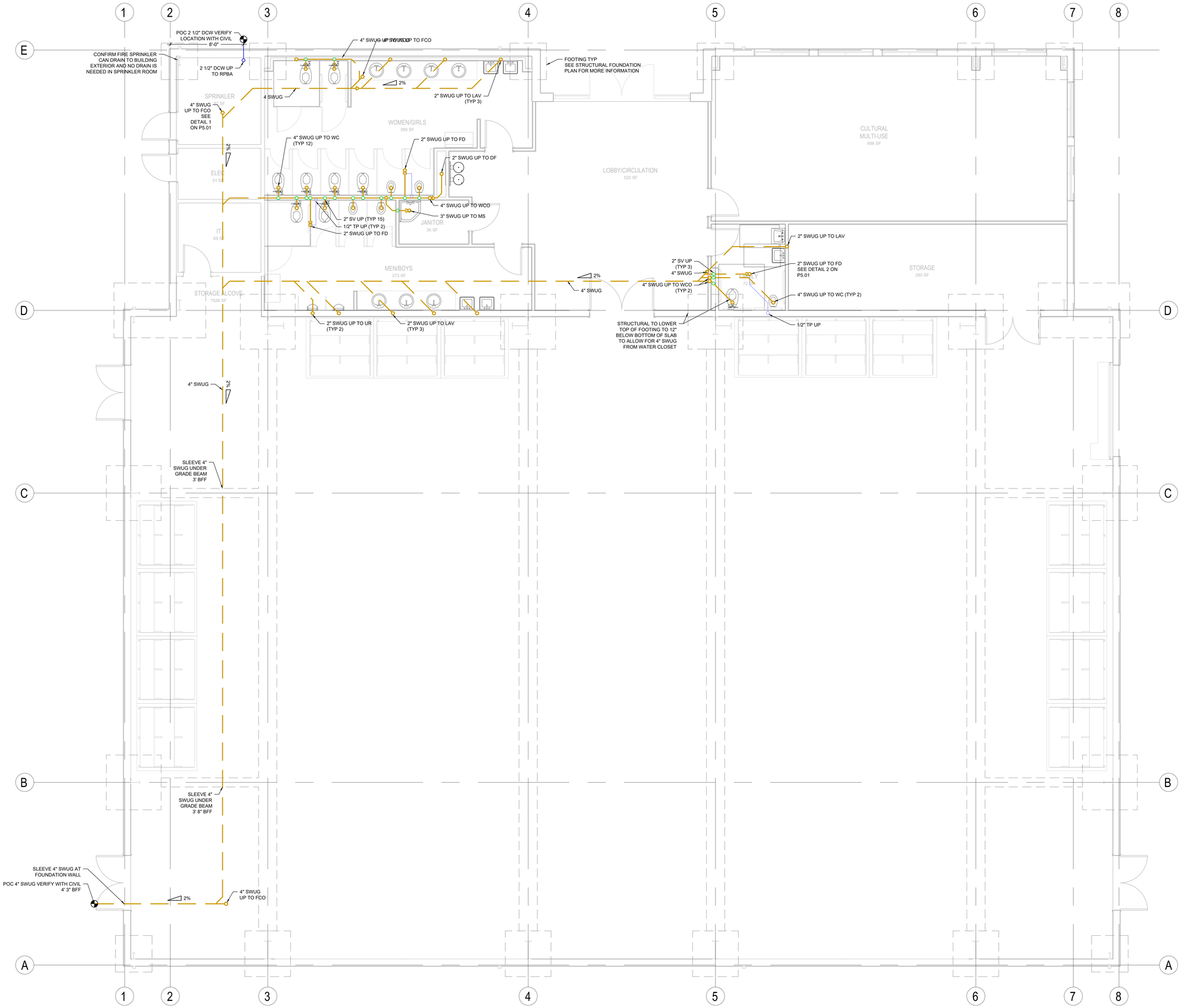
Revisions

Project
TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM - PHASE 1
7607 TOTEM BEACH RD
TULALIP, WA 98271

Title
COVER SHEET

A.STIENS	D.SHEARER
Designed By	Checked By
A.STIENS	V.ULRICH-LEWIS
Drawn By	Project Manager
TBD	AS NOTED
Job Number	Scale

P0.00



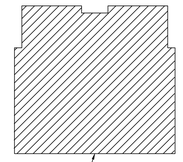
UNDERGROUND PLUMBING PLAN
1/4"=1'-0"

SITE COPY

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09/17/2026
Permit # BP 2026-026
TELA Gym Phase 1



KEY PLAN

SANDRA CAMUS
STATE OF WASHINGTON
47151
REGISTERED PROFESSIONAL ENGINEER
EXPIRES: 11/26/2026

No.	Date	Description	By
3	9/8/2026	PERMIT SET - PHASE 1 - R1	ADS
2	7/22/2026	PERMIT SET - PHASE 1	ADS
1	6/26/2026	SD - PHASE 1	ADS

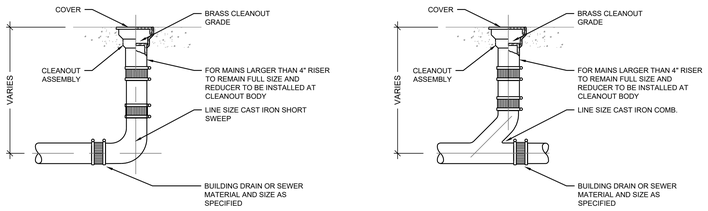
Revisions

Project
TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM - PHASE 1
7607 TOTEM BEACH RD
TULALIP, WA 98271

Title
UNDERGROUND PLUMBING PLAN

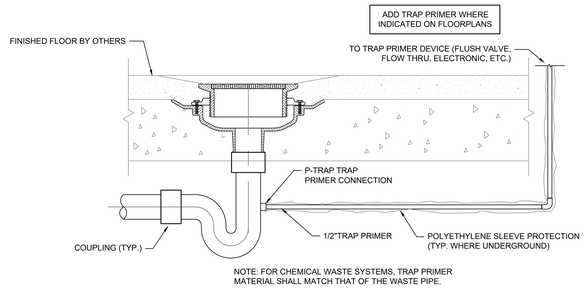
A.STIENS	D.SHEARER
Designed By	Checked By
A.STIENS	V.ULRICH-LEWIS
Drawn By	Project Manager
TBD	AS NOTED
Job Number	Scale

P2.00



1 FLOOR CLEANOUT

SCALE: NONE



2 FLOOR DRAIN/SINK

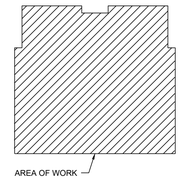
SCALE: NONE

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Revisions

Project

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM - PHASE 1

7607 TOTEM BEACH RD
TULALIP, WA 98271

Title

PLUMBING DETAILS

A.STIENS	D.SHEARER
Designed By	Checked By
A.STIENS	V.ULRICH-LEWIS
Drawn By	Project Manager
TBD	AS SHOWN
Job Number	Scale

P5.01

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SUBJECT TO INSPECTION

TULALIP TRIBES TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET

07/17/2026

Plans must be crossed reviewed at time of Deferred PEMB Submittal

TYPICAL ABBREVIATIONS

AB	ANCHOR BOLT
ADD'L	ADDITIONAL
ADJ	ADJACENT
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASD	ALLOWABLE STRESS DESIGN
BF	BRACED FRAME
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BN	BOUNDARY NAILING
BOT	BOTTOM
BP	BASE PLATE
BRB	BUCKLING RESTRAINED BRACES
BRG	BEARING
BTWN	BETWEEN
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION/CONTROL JOINT
CL	CENTERLINE
CLR	CLEAR
CLT	CROSS-LAMINATED TIMBER
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
D	DEEP
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DF	DOUGLAS-FIR
DIAG	DIAGONAL
DIAPH	DIAPHRAGM
DIM	DIMENSION
DL	DEAD LOAD
DT	DRAG TRUSS
(E)	EXISTING
EA	EACH
EL OR ELEV	ELEVATION
EMBED	EMBEDMENT
EN	EDGE NAILING
ENGR	ENGINEER
EOR	ENGINEER OF RECORD
EQ	EQUAL
EQUIV	EQUIVALENT
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FF	FINISH FLOOR
FFE	FINISH FLOOR ELEVATION
FLR	FLOOR
FN	FIELD NAILING
F/O	FACE OF
FS	FAR SIDE
FT	FEET
FTG	FOOTING
FT-LB	FOOT POUNDS
GA	GAGE/GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GC	GENERAL CONTRACTOR
GLB	GLUE LAMINATED BEAM
GLC	GLUE LAMINATED COLUMN
GR	GRADE
GT	GIRDER TRUSS
GWB	GYPSUM WALL BOARD
GWP	GLOBAL WARMING POTENTIAL
HDR	HEADER
HD	HOLDOWN
HF	HEM-FIR
HGR	HANGER
HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
ICF	INSULATED CONCRETE FORM
IN	INCHES
INT	INTERIOR
JST	JOIST
JT	JOINT
K	KIPS = 1000 LBS
KSI	KIPS PER SQUARE INCH
L	ANGLE
LBS (or LB)	POUNDS (or POUND)
LFRS	LATERAL FORCE RESISTING SYSTEM
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONGIT	LONGITUDINAL
LSH	LONG SIDE HORIZONTAL
LSL	LAMINATED STRAND LUMBER
LVL	LAMINATED VENEER LUMBER
MB	MACHINE BOLT
MTL	METAL
MWFRS	MAIN WIND FORCE RESISTING SYSTEM
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
OWSJ	OPEN WEB STEEL JOISTS
PAF	POWER ACTUATED FASTENER
PCF	POUNDS PER CUBIC FOOT
PEMB	PRE-ENGINEERED METAL BUILDING
PERP	PERPENDICULAR
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PT	POST-TENSIONED
PT	PRESSURE TREATED
RT	ROOF TRUSS
SEOR	STRUCTURAL ENGINEER OF RECORD
SF	SQUARE FEET
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHTG	SHEATHING
SIM	SIMILAR
SOG	SLAB ON GRADE
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
SW	SHEAR WALL
T&B	TOP & BOTTOM
T&G	TONGUE AND GROOVE
T/O	TOP OF
TRANSV	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WIDE
W/	WITH
W/O	WITHOUT
WHS	WELDED HEADED STUD
WP	WORK POINT
WTS	WELDED THREADED STUD
WWF	WELDED WIRE FABRIC

GLOBAL WARMING POTENTIAL

GROSS BUILDING AREA

	TOTAL PER BUILDING
STRUCTURAL GWP (kgCO2e/m²)	
TOTAL STRUCTURAL GWP	**kgCO2e**

CHANGE FROM PREVIOUS PHASE

PROJECT PHASE	
PHYSICAL SCOPE	
SYSTEM BOUNDARY	
PRIMARY BUILDING USE	
LCA TOOL	
BIOGENIC CARBON INCLUDED?	NO
TOTAL GWP (kgCO2e)	**% TOTAL BUILDING GWP**

* THE % GWP REDUCTION INDICATES HOW MUCH LOWER THE GLOBAL WARMING POTENTIAL IS COMPARED TO THE REFERENCE BASELINE VALUE. THE REFERENCE BASELINE VALUE IS TAKEN AS THE AVERAGE UPFRONT STRUCTURAL EMBODIED CARBON (kgCO2e/m²) FOR BUILDING USE *** AND PER THE SE2050 2023 DATA ANALYSIS AND FINDINGS REPORT. A DOWN ARROW INDICATES THE DESIGN HAS LESS EMBODIED CARBON THAN THE BASELINE, WHILE AN UP ARROW MEANS THE DESIGN IS MORE CARBON INTENSIVE THAN THE BASELINE.

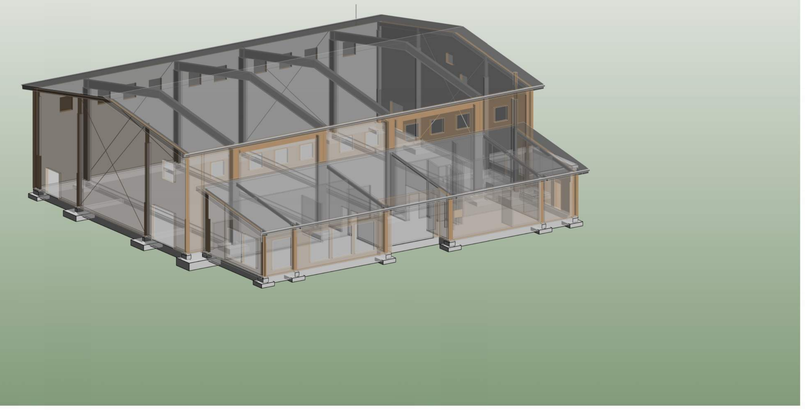
CARBON REDUCTION STRATEGIES: EFFICIENT FLOOR SPANS, PERFORMANCE CONCRETE SPECIFICATIONS, EPDS REQUIRED, RECYCLED CONTENT OF STEEL >25%.

SHEET INDEX

SHEET #	SHEET NAME
S101	STRUCTURAL TITLE SHEET
S102	GENERAL NOTES
S103	GENERAL NOTES
S201	FOUNDATION PLAN - LEVEL 1
S301	TYPICAL CONCRETE SECTIONS & DETAILS
S302	TYPICAL CONCRETE SECTIONS & DETAILS

AXONOMETRIC VIEW

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2. INFORMATION REPRESENTED BY 3D VIEWS, BUT NOT REPRESENTED ELSEWHERE IN THE CONSTRUCTION DOCUMENTS IS NOT INTENDED TO BE PART OF THE CONSTRUCTION DOCUMENTS.



GRAPHIC SYMBOL LEGEND

SURFACE PATTERNS PLAN (UNO)
- OVERFRAMING
- BLOCKED DIAPHRAGM
- PLYWOOD
- TOP OF WALL (ALL MATERIALS)
- HIDDEN WALL/COLUMN BELOW (ALL MATERIALS)
- CMU WALL **(ELEVATION SURFACE)**

CUT PATTERNS SECTION (UNO)
- CONCRETE
- BRICK VENEER
- STEEL
- GROUT
- STRUCTURAL FOAM
- SAND - LEAN FILL

CUT PATTERNS PLAN ONLY (UNO)
- CONCRETE WALL OR COLUMN
- WOOD/CFS SHEAR WALL **(LOCATION OF SW MARK INDICATES SIDE OF SHTG)** (SW6)
- CMU WALL **(SECTION OR PLAN)**
- WOOD/CFS STUD WALL **(SECTION OR PLAN)**

EXISTING & BY OTHERS SECTION (UNO)
- EARTH
- GRAVEL
- INSULATION
- MECH UNIT **(SECTION OR PLAN)**
- CONSTRUCTION ELEMENTS **(SECTION OR PLAN)**
- HIDDEN CONSTRUCTION ELEMENTS BELOW OR BEYOND **(SECTION OR PLAN)**
- EXISTING SCOPE **(SECTION OR PLAN)**
- EXISTING FRAMING **(PLAN ONLY)**
- HIDDEN EXISTING FRAMING BELOW **(PLAN ONLY)**

- WOOD COLUMN (CUT)
- WOOD BLOCKING (CUT)
- WOOD COLUMN (BELOW)
- STEEL HSS COLUMN (CUT)
- STEEL HSS COLUMN (BELOW)
- STEEL WIDE FLANGE COLUMN (CUT)
- STEEL WIDE FLANGE COLUMN (BELOW)
- SIMPSON TENSION TIE HOLDOWN (HTSXIM)
- CONCRETE COLUMN TYPE (CIP)
- NUMBER OF KINGS PLUS TRIMMERS (#K+H)
- FOOTING STEP (HIGH SIDE)
- DECK SPAN
- EXTENTS (AS DRAWN)
- EXTENTS (FULL EXTENT OF ELEMENT)

- EXTENT NOTES
- SHEATHING SPAN
- SLOPE PER ARCH — SURFACE SLOPE PER ARCHITECT
- JOIST SPAN
- DETAIL REFERENCE # / **SECTION CALLOUT** / SHEET REFERENCE # (S###)
- DETAIL REFERENCE # / **ELEVATION CALLOUT** / SHEET REFERENCE # (S###)
- DETAIL REFERENCE # / **DETAIL CALLOUT** / SHEET REFERENCE # (S###)

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Seattle, Washington 98161
206-402-5156 www.lundopsahl.com
LO Project Number : 26-050-01

ANTHONY MASON — STATE OF WASHINGTON — 24028 — STRUCTURAL ENGINEER — 07/17/2026

Reviewed for
Building Code Compliance for
Tulalip Tribes
By BHC Consultants:
Phil Cecere
09/17/2026
Permit # BP 2026-026
TELA Gym Phase 1

TULALIP TRIBES TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET

STRUCTURAL TITLE SHEET

ISSUANCE

No.	Description	Date

PROJECT INFORMATION

PROJECT NUMBER:	26-050-01
PROJECT LEAD:	SL
DRAWN BY:	IT

SHEET NO
S101

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GENERAL REQUIREMENTS

SUMMARY OF WORK
PROJECT CONSISTS OF A NEW PRE-ENGINEERED METAL BUILDING VEHICLE MAINTENANCE FACILITY SUPPORTED BY SHALLOW FOUNDATIONS AS SHOWN ON THESE CONTRACT DOCUMENTS USED IN COORDINATION WITH THE ARCHITECTURAL AND OTHER DISCIPLINE'S DOCUMENTS.

GOVERNING CODE
ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE 2015 INTERNATIONAL BUILDING CODE AND LOCAL JURISDICTION AMENDMENTS. 1

REFERENCE TO ASTM AND OTHER STANDARDS SHALL REFER TO THE LATEST EDITION DESIGNATED BY IBC CHAPTER 35. REFER TO THE SPECIFICATIONS FOR INFORMATION IN ADDITION TO THAT COVERED BY THESE STRUCTURAL NOTES AND DRAWINGS.

DOCUMENTS
STRUCTURAL DOCUMENTS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DOCUMENTS FOR ALL BIDDING AND CONSTRUCTION.

DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. TYPICAL DETAILS AND GENERAL NOTES SHALL APPLY EVEN IF NOT SPECIFICALLY DENOTED ON PLANS, UNO. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE SEOR.

EXISTING STRUCTURAL INFORMATION, DESIGNATED AS (E) ON THE STRUCTURAL DRAWINGS, HAS BEEN COMPILED FROM INFORMATION FURNISHED BY VARIOUS SOURCES AND IS NOT NECESSARILY FIELD-VERIFIED BY THE ENGINEER. DIMENSIONS RELATING TO EXISTING STRUCTURES ARE INTENDED FOR USE AS GUIDELINES ONLY. ALL DIMENSIONS SHALL BE FIELD-VERIFIED BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

THESE CONTRACT DOCUMENTS AND ANY MATERIALS USED IN PREPARATION OF THEM, INCLUDING CALCULATIONS, ARE THE EXCLUSIVE PROPERTY OF THE SEOR AND CAN BE REPRODUCED ONLY WITH THE PERMISSION OF THE SEOR.

WARRANTY
THE SEOR HAS USED THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF THE PROFESSION IN THIS LOCALE AND NO OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, IS MADE IN CONNECTION WITH RENDERING PROFESSIONAL SERVICES.

OWNER RESPONSIBILITY
THE OWNER SHALL RETAIN A SPECIAL INSPECTOR TO PERFORM THE SPECIAL INSPECTION REQUIREMENTS REQUIRED BY THE BUILDING OFFICIAL AND AS OUTLINED IN THE SPECIAL INSPECTION SECTION BELOW.

DESIGN CRITERIA

BUILDING CATEGORY
STRUCTURAL RISK CATEGORY: III 1
IMPORTANCE FACTORS FOR SNOW AND SEISMIC ARE LISTED WITH THE LOADING CRITERIA.

LIVE LOADS - FLOOR AND ROOF
LIVE LOADS INDICATED WITH * ARE REDUCIBLE PER IBC

LEVEL 1	
CONCENTRATED LOAD (MAXIMUM = BOTTLE JACK)	100 PSF 40,000 LBS
SERVICE PLATFORM STORAGE:	
LIGHT STORAGE	125 PSF
ROOF	20 PSF

LIVE LOADS - SNOW
NUMBERING BELOW IS PER IBC SECTION 1603.1.3:
1. FLAT-ROOF SNOW LOAD: P_f = 20 PSF (MINIMUM UNIFORM CONTROLS)
2. SNOW EXPOSURE FACTOR: C_e = 1.0
3. SNOW IMPORTANCE FACTOR: I_s = 1.0
4. THERMAL FACTOR: C_t = 1.0

ADDITIONAL ITEMS:
GROUND SNOW LOAD: P_g = 25 PSF
SNOW DRIFTING LOAD PER IBC W/ GROUND SNOW LOAD
MINIMUM UNIFORM ROOF SNOW LOAD = 25 PSF

LATERAL LOADS - WIND
NUMBERING BELOW IS PER IBC SECTION 1603.1.4:
1. ULTIMATE DESIGN WIND SPEED (3-SECOND GUST): V_{ult} = 120 MPH
NOMINAL DESIGN WIND SPEED: V_{asd} = 93 MPH
2. RISK CATEGORY: II
3. WIND EXPOSURE: C
4. INTERNAL PRESSURE COEFFICIENT = +/- 0.55
5. COMPONENTS AND CLADDING:
THE FOLLOWING WORKING LOADS MAY BE USED IN LIEU OF CALCULATIONS (ZONES PER ASCE 7-16 FIGURES 30.3-1 AND 30.3-2):

FIGURES 30.3-1 AND 30.3-2

LOCATION	ZONE	PRESSURE (PSF) (10 SQ FT, "a" DIMENSION = 6'-0") SERVICE	ULTIMATE
ROOF	1	-45.0 / +19.0	-75.0 / +32.0
	2e	-45.0 / +19.0	-75.0 / +32.0
	2r	-63.0 / +19.0	-104.0 / +32.0
	2n	-63.0 / +19.0	-104.0 / +32.0
	3r	-73.0 / +19.0	-122.0 / +32.0
	3e	-63.0 / +19.0	-104.0 / +32.0
WALLS	4	-29.0 / +27.0	-48.0 / +46.0
	5	-34.0 / +27.0	-57.0 / +46.0

ADDITIONAL INFO:
6. TOPOGRAPHIC FACTOR: K_{zt} = 1.0
7. DIRECTIONALITY FACTOR: K_d = 0.85
8. GROUND ELEVATION FACTOR: K_e = 1.0
9. ENCLOSURE CLASSIFICATION: PARTIALLY ENCLOSED
10. GUST EFFECT FACTOR: G = 0.85
11. DESIGN BASE SHEAR: V = 94 KIPS
12. ANALYSIS PROCEDURE: DIRECTIONAL

LATERAL LOADS - EARTHQUAKE
NUMBERING BELOW IS PER IBC SECTION 1603.1.5:
1. RISK CATEGORY: II
2. SEISMIC IMPORTANCE FACTOR: I_e = 1.0
3. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS: S_s = 1.37 G_2 S_1 = 0.67 G
4. SITE CLASS: D_2 F_a = 1.0$_2$ F_v = 1.7
5. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS: S_{DS} = 0.92 G_2 S_{D1} = 0.76 G
6. SEISMIC DESIGN CATEGORY: D
7. BASIC SEISMIC FORCE RESISTING SYSTEMS:
VERTICAL ELEMENTS:
PEMB NORTH-SOUTH: ORDINARY STEEL CONCENTRICALLY BRACED FRAMES OVER STEEL ORDINARY MOMENT FRAMES$_2$
PEMB EAST-WEST: STEEL ORDINARY MOMENT FRAMES$_2$
MEZZANINE: LIGHT-FRAMED WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE$_2$
DIAPHRAGMS:
PEMB ROOF: STEEL ROD CROSS-BRACING$_2$
MEZZANINE FLOOR: PLYWOOD SHEATHING$_2$
8. DESIGN BASE SHEAR:
PEMB NORTH-SOUTH: 39 KIPS
PEMB EAST-WEST: 42 KIPS
MEZZANINE: 8 KIPS
9. SEISMIC RESPONSE COEFFICIENT:
PEMB NORTH-SOUTH: C_s = 0.26
PEMB EAST-WEST: C_s = 0.28
MEZZANINE: C_s = 0.14
10. RESPONSE MODIFICATION COEFFICIENT:
PEMB NORTH-SOUTH: R = 3.5
PEMB EAST-WEST: R = 3.25
MEZZANINE: R = 6.5
11. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

ADDITIONAL ITEMS:
BUILDING LOCATION: 48.263942° N, -124.319667° W
BUILDING HEIGHT = 25 FEET
REDUNDANCY FACTORS:
NORTH/SOUTH DIRECTION = 1.0
EAST/WEST DIRECTION = 1.0

CONTRACTOR PERFORMANCE REQUIREMENTS

DESIGN DOCUMENTS
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ALL CONDITIONS AT THE JOB SITE, INCLUDING BUILDING AND SITE CONDITIONS BEFORE COMMENCING WORK, AND BE RESPONSIBLE FOR SAME. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH WORK. ANY ERRORS, AMBIGUITIES AND/OR OMISSIONS IN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY, IN WRITING. NO WORK IS TO BE STARTED BEFORE CORRECTION IS MADE.

CONTRACTOR SHALL VERIFY AND/OR COORDINATE ALL DIMENSIONED OPENINGS AND SLAB EDGES SHOWN ON THE CONTRACT DOCUMENTS. SOME DIMENSIONS, OPENINGS AND EMBEDDED ITEMS ARE SHOWN ON THE STRUCTURAL DRAWINGS. OTHERS MAY BE REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF CURBS, EQUIPMENT PADS, WALL AND FLOOR OPENINGS, ARCHITECTURAL TREATMENT, EMBEDS REQUIRED FOR ARCHITECTURAL ITEMS AND DIMENSIONS. REFER TO MECHANICAL, PLUMBING, ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS FOR DUCTS, PIPING, CONDUITS, ETC. SUBMIT OPENINGS TO ARCHITECT FOR REVIEW.

DO NOT SCALE DRAWINGS. USE ONLY FIELD VERIFIED DIMENSIONS. WHEN ELECTRONIC PLAN FILES ARE PROVIDED FOR THE CONTRACTOR'S DETAILING CONVENIENCE, IT SHALL BE NOTED THAT THE ELECTRONIC FILES ARE NOT GUARANTEED TO BE DIMENSIONALLY ACCURATE. THE CONTRACTOR USES THEM AT THEIR OWN RISK. THE PUBLISHED PAPER DOCUMENTS ARE THE CONTROLLING CONTRACT DOCUMENTS. ELECTRONIC FILES OF DETAIL SHEETS AND NOTES WILL NOT BE PROVIDED.

CONTRACTOR-INITIATED CHANGES
CONTRACTOR-INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT FOR REVIEW AND ACCEPTANCE PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT.

INSPECTIONS
THE CONTRACTOR SHALL COORDINATE WITH THE BUILDING DEPARTMENT FOR ALL BUILDING DEPARTMENT REQUIRED INSPECTIONS.

TEMPORARY SHORING AND BRACING
THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AS REQUIRED UNTIL ALL PERMANENT CONNECTIONS AND STIFFENING HAVE BEEN INSTALLED. THE CONTRACTOR IS RESPONSIBLE FOR THE STRENGTH AND STABILITY OF ALL PARTIALLY COMPLETED STRUCTURES INCLUDING BUT NOT LIMITED TO CONCRETE OR MASONRY WALLS, STEEL FRAMING AND ERECTION AIDS. THE CONTRACTOR SHALL, AT THEIR DISCRETION, EMPLOY THE AID OF A LICENSED STRUCTURAL ENGINEER TO DESIGN ALL TEMPORARY BRACING AND SHORING NECESSARY TO COMPLETE THE WORK DESCRIBED IN THESE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED SAFETY STANDARDS, SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED IN PERFORMING THEIR WORK. FOR CONCRETE CONSTRUCTION REFER TO ACI 318 - SECTION 26.11.2 "REMOVAL OF FORMWORK".

SAFETY PROCEDURES
CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE CONTRACTOR'S WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISORY AUTHORITY OR ACTUAL AND/OR DIRECT RESPONSIBILITY FOR THE SPECIFIC WORKING CONDITIONS AT THE SITE AND/OR FOR ANY HAZARDS RESULTING FROM THE ACTIONS OF ANY TRADE CONTRACTOR. THE STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT, SUPERVISE, NOTE, CORRECT, OR REPORT ANY HEALTH OR SAFETY DEFICIENCIES TO THE OWNER, CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE.

BUILDING MOVEMENT

ALL NON-STRUCTURAL WALL AND BIDDER-DESIGNED EGRESS STAIRS AND RAMPS CONNECTIONS SHALL ACCOUNT FOR CONSTRUCTION TOLERANCES, COLUMN SHORTENING AND BEAM DEFLECTIONS. IN ADDITION, ALL DESIGN COMPONENTS SHALL ACCOMMODATE A TYPICAL VERTICAL MOVEMENT AT EACH FLOOR OF 3/4" DUE TO VARIABLE LIVE LOADING. THIS DISPLACEMENT WILL OCCUR AT THE FREE END OF CANTILEVER BEAMS AND AT MIDSPAN OF SIMPLE SPAN BEAMS. NON-STRUCTURAL WALLS SHALL ACCOMMODATE TYPICAL LATERAL MOVEMENTS OF 3" BETWEEN ADJACENT FLOORS IN ANY HORIZONTAL DIRECTION.

WALL, STAIR AND RAMP ATTACHMENTS SHALL NOT APPLY ANY LATERAL LOADS TO THE BOTTOM FLANGE OF BEAMS. IF ATTACHMENT IS MADE TO THE BOTTOM OF BEAMS, ADDITIONAL INCLINED STRUTS BRACING THE BOTTOM FLANGE OR OTHER EQUIVALENT MEANS TO COUNTERACT THIS FORCE SHALL BE PROVIDED BY THE CONTRACTOR.

SHOP DRAWINGS AND SUBMITTALS

SHOP DRAWING & SUBMITTAL REVIEW (INCLUDING DEFERRED STRUCTURAL COMPONENTS)
THE CONTRACTOR MUST REVIEW AND STAMP THE SHOP DRAWINGS & SUBMITTALS FOR REVIEW. SEOR WILL ONLY REVIEW SUBMITTALS FOR ITEMS SHOWN ON SEOR DOCUMENTS. SUBMITTALS FOR DEFERRED STRUCTURAL COMPONENTS WILL RECEIVE CURSORY REVIEW BY SEOR FOR LOADS IMPOSED ON PRIMARY STRUCTURE. SEOR WILL REVIEW SHOP DRAWINGS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE STRUCTURAL CONTRACT DOCUMENTS. REVIEW OF SUBMITTALS DOES NOT CONSTITUTE APPROVAL OR ACCEPTANCE OF UNAUTHORIZED DEVIATION FROM CONTRACT DOCUMENTS.

CORRECTIONS OR COMMENTS MADE ON SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.

CONTRACTOR RESPONSIBLE FOR:
- REVIEWING, APPROVING, STAMPING AND SIGNING SUBMITTALS PRIOR TO SUBMITTAL TO ARCHITECT AND SEOR
- TIMING SUBMITTALS TO ALLOW TWO WEEKS OF REVIEW TIME FOR THE SEOR AND TIME FOR CORRECTIONS AND/OR RESUBMITTAL
- CONFORMANCE TO REQUIREMENTS OF THE CONTRACT DOCUMENTS
- DIMENSIONS AND QUANTITIES
- VERIFYING INFORMATION TO BE CONFIRMED OR COORDINATED
- INFORMATION SOLELY FOR FABRICATION, SAFETY, MEANS, METHODS, TECHNIQUES AND SEQUENCES OF CONSTRUCTION
- COORDINATION OF ALL TRADES

RESUBMITTALS SHALL BE CLOUDED AND DATED FOR ALL CHANGES TO THE SUBMITTAL. ONLY CLOUDED PORTIONS OF RESUBMITTAL WILL BE REVIEWED AND SEOR'S REVIEW STAMP APPLIES TO ONLY THESE AREAS.

SUBSTITUTIONS
SUBSTITUTIONS SHALL BE SUBMITTED IN WRITING PRIOR TO SUBMITTAL OF SHOP DRAWINGS. SHOP DRAWINGS BEARING SUBSTITUTIONS WILL BE REJECTED. SUBMIT ENGINEERING DATA TO SUBSTANTIATE THE EQUIVALENCE OF THE PROPOSED ITEMS. THE SEOR'S BASIC SERVICES CONTRACT DOES NOT INCLUDE REVIEW OF SUBSTITUTIONS THAT REQUIRE RE-ENGINEERING OF THE ITEM OR ADJACENT STRUCTURE. NOR DOES THE SEOR'S CONTRACT COVER EXCESSIVE REVIEW OF PROPOSED SUBSTITUTIONS. THE FEES FOR MAKING THESE REVIEWS AND/OR REDESIGN SHALL BE PAID BY THE CONTRACTOR. REVIEWS AND APPROVALS SHALL NOT BE MADE UNTIL AUTHORIZATION IS RECEIVED.

SUBMITTALS
SHOP DRAWINGS AND MATERIAL SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT AND SEOR PRIOR TO ANY FABRICATION OR CONSTRUCTION FOR THE FOLLOWING STRUCTURAL ITEMS. SUBMITTALS SHALL BE ELECTRONICALLY SHARED, IN PDF FORMAT. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWINGS SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING SUBMITTALS ARE PROCESSED BY THE SEOR, THE CONTRACT DOCUMENTS CONTROL AND SHALL BE FOLLOWED.

- CONSTRUCTION SEQUENCE DESCRIPTION
- CONTRACTOR QUALITY CONTROL TESTING PROCEDURES WHEN REQUIRED IN SPECIFICATIONS
- CONCRETE MIX DESIGNS
- CONCRETE CONSTRUCTION CONTROL JOINT PLANS AND ELEVATIONS
- CONCRETE ACCESSORIES MATERIAL SPECIFICATION, SIZE AND LOCATION
- REINFORCING BAR SHOP DRAWINGS AND PLACING PLANS
- REINFORCING BAR MILL CERTIFICATES SHALL BE AVAILABLE UPON REQUEST
- NON-SHRINK GROUT MATERIAL SPECIFICATIONS AND MANUFACTURER'S INSTALLATION RECOMMENDATIONS
- FABRICATION SHOP AISC CERTIFICATION
- STRUCTURAL STEEL REGISTRATION/CERTIFICATION OR QUALITY CONTROL INSPECTION RECORDS
- STRUCTURAL STEEL SHOP AND ERECTION DRAWINGS
- WELDING PROCEDURE SPECIFICATIONS
- GLUED LAMINATED MEMBERS (CERTIFICATES SHALL BE ON SITE AND BE AVAILABLE UPON REQUEST)
- DEFERRED STRUCTURAL COMPONENTS LISTED BELOW
- CERTIFICATE OF CONFORMANCE FOR WELDING MATERIAL, INCLUDING SUPPLEMENTAL NOTCH TOUGHNESS REQUIREMENTS

DEFERRED STRUCTURAL COMPONENTS
COMPONENTS REFERRED TO AS DEFERRED STRUCTURAL COMPONENTS SHALL COMPLY WITH THESE NOTES. THESE ELEMENTS HAVE NOT BEEN PERMITTED UNDER THE BASE BUILDING APPLICATION. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT THE COMPONENT SYSTEM DOCUMENTS TO THE BUILDING OFFICIAL FOR APPROVAL. THE DOCUMENTS SHALL BE STAMPED AND SIGNED BY AN ENGINEER LICENSED BY THE STATE WHERE THE PROJECT IS LOCATED. THE DEFERRED STRUCTURAL COMPONENTS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

PRIOR TO BUILDING DEPARTMENT SUBMITTAL, THE DEFERRED STRUCTURAL COMPONENTS SUBMITTALS SHALL RECEIVE CURSORY REVIEW BY SEOR FOR LOADS IMPOSED ON PRIMARY STRUCTURE AND GENERAL CONFORMANCE WITH DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE STRUCTURAL CONTRACT DOCUMENTS. REVIEW OF SUBMITTALS DOES NOT CONSTITUTE APPROVAL OR ACCEPTANCE OF UNAUTHORIZED DEVIATION FROM CONTRACT DOCUMENTS. SUBMITTALS OF CONTRACTOR-DESIGNED COMPONENTS SHALL INCLUDE THE DESIGNING PROFESSIONAL ENGINEER'S STAMP AND SIGNATURE, AS NOTED ABOVE. THE SUBMITTAL SHALL BE APPROVED BY THE COMPONENT VENDOR PRIOR TO REVIEW BY THE SEOR. THE DESIGNING PROFESSIONAL IS RESPONSIBLE FOR CODE CONFORMANCE AND ALL NECESSARY CONNECTIONS NOT SPECIFICALLY CALLED OUT ON ARCHITECTURAL OR STRUCTURAL CONTRACT DOCUMENTS.

SUBMITTALS SHALL INCLUDE DETAILS OF CONNECTIONS TO PRIMARY STRUCTURE THAT INDICATE MAGNITUDE AND DIRECTION OF ALL LOADS IMPOSED AT POINT OF CONNECTION. DESIGN CRITERIA SHALL BE PROVIDED WITH SUBMITTAL AND CALCULATIONS SHALL BE MADE AVAILABLE UPON REQUEST.

THE FOLLOWING LIST INCLUDES THE ITEMS THAT ARE DEFINED AS DEFERRED STRUCTURAL COMPONENTS. REFER TO OTHER DISCIPLINE'S CONTRACT DOCUMENTS FOR ADDITIONAL DEFERRED COMPONENTS THAT MAY REQUIRE STRUCTURAL DESIGN AND DETAILS. CONNECTIONS OF THESE ELEMENTS SHALL NOT INDUCE TORSION ON STRUCTURAL MEMBERS. DEFERRED STRUCTURAL COMPONENTS SHALL BE MANUFACTURED, DELIVERED, HANDLED, STORED, AND FIELD ERECTED IN CONFORMANCE WITH INSTRUCTIONS PREPARED BY THE COMPONENT VENDOR.

DEFERRED STRUCTURAL COMPONENTS:
- PRE-ENGINEERED METAL BUILDING SYSTEM

INSPECTIONS & STRUCTURAL OBSERVATIONS

INSPECTIONS BY BUILDING OFFICIAL
THE BUILDING OFFICIAL, UPON NOTIFICATION, SHALL MAKE STRUCTURAL INSPECTIONS AS REQUIRED BY LOCAL ORDINANCE. THE INSPECTION BY THE BUILDING OFFICIAL PER IBC SECTION 110 WILL BE SEPARATE FROM, AND IN ADDITION TO, THE STRUCTURAL OBSERVATION(S) AND SPECIAL INSPECTION(S) MENTIONED SUBSEQUENTLY.

STRUCTURAL OBSERVATION
WHERE REQUIRED BY IBC SECTION 1704.6 THE OWNER OR THE OWNER'S AUTHORIZED AGENT SHALL EMPLOY A STRUCTURAL OBSERVER TO PERFORM STRUCTURAL OBSERVATIONS. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR INSPECTIONS OR SPECIAL INSPECTIONS REQUIRED BY THE BUILDING CODE AND MENTIONED HEREIN. THE STRUCTURAL OBSERVER SHALL BE ONE OF THE FOLLOWING INDIVIDUALS: THE SEOR, OR A REGISTERED DESIGN PROFESSIONAL DESIGNATED BY THE SEOR.

AT THE CONCLUSION OF THE WORK INCLUDED IN THE PERMITTED CONTRACT DOCUMENTS, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE AND SHALL IDENTIFY ANY REPORTED DEFICIENCIES THAT, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED.

THE FOLLOWING LIST INCLUDES THE ITEMS REQUIRING STRUCTURAL OBSERVATION:

FOUNDATIONS:
- CONCRETE FOUNDATIONS REINFORCEMENT PRIOR TO CONCRETE PLACEMENT

WOOD:
- WOOD SHEAR WALLS (HARDWARE AND NAILING INSTALLED) PRIOR TO FINISHES INSTALLED
- WOOD FLOOR FRAMING PRIOR TO FINISHES INSTALLED
- DIAPHRAGMS (SHEATHING, FASTENERS, AND HARDWARE INSTALLED) PRIOR TO FLOOR AND CEILING FINISHES INSTALLED

SPECIAL INSPECTIONS
A SPECIAL INSPECTOR SHALL BE HIRED BY THE OWNER TO PERFORM THE FOLLOWING SPECIAL INSPECTIONS PER IBC SECTION 1704. SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SPECIAL INSPECTION AND TESTING. THE ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING DEPARTMENT SHALL BE FURNISHED WITH COPIES OF ALL INSPECTION REPORTS AND TEST RESULTS.

EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A SEISMIC FORCE RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE WRITTEN STATEMENT SHALL BE IN ACCORDANCE WITH IBC SECTION 1704.4.

SEE IBC CHAPTER 17: "SPECIAL INSPECTIONS AND TESTS" FOR MORE DETAILED REQUIREMENTS.

SPECIAL INSPECTIONS AND TESTS OF SOILS (PER IBC 1705.6)

VERIFICATION AND INSPECTION	FREQUENCY CONT.	FREQUENCY PERIODIC	REFERENCE
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X	
VERIFY THAT EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X	
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS		X	
DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X		
PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X	

SPECIAL INSPECTIONS OF WOOD CONSTRUCTION (PER IBC 1705.5 & 1705.13.2)

VERIFICATION AND INSPECTION	FREQUENCY CONT.	FREQUENCY PERIODIC	REFERENCE
MOISTURE CONTENT OF WOOD-FRAMED CONSTRUCTION AT TIME OF COVER		X	REFER TO GENERAL NOTES
NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS (SPACED 4" OC OR CLOSER) WITHIN THE SEISMIC FORCE RESISTING SYSTEM, INCLUDING DRAG STRUTS, BRACES, HOLDOWNS, SHEAR WALLS, AND DIAPHRAGMS		X	1705.13.2.2 1705.5.1

SPECIAL INSPECTIONS OF MASS TIMBER CONSTRUCTION (PER IBC 1705.5.3)

VERIFICATION AND INSPECTION	FREQUENCY CONT.	FREQUENCY PERIODIC	REFERENCE
INSPECT ERECTION OF MASS TIMBER CONSTRUCTION		X	
INSPECTION OF CONNECTIONS WHERE INSTALLATION METHODS ARE REQUIRED TO MEET DESIGN LOADS			
• THREADED FASTENERS			
- VERIFY USE OF PROPER INSTALLATION EQUIPMENT		X	
- VERIFY USE OF PRE-DRILLED HOLES WHERE REQUIRED		X	
- INSPECT SCREWS, INCLUDING DIAMETER, LENGTH, HEAD, TYPE, SPACING, INSTALLATION ANGLE AND DEPTH		X	
• BOLTED CONNECTIONS		X	

SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION (PER IBC 1705.3)

VERIFICATION AND INSPECTION	FREQUENCY CONT.	FREQUENCY PERIODIC	REFERENCE
INSPECT REINFORCEMENT AND VERIFY PLACEMENT		X	ACI 318: 20, 25.2-3, 26.6.1-3
INSPECTION OF ANCHORS CAST IN CONCRETE		X	ACI 318: 26.13.3.3
INSPECTION OF ANCHORS AND REINFORCING BAR POST-INSTALLED IN HARDENED CONCRETE MEMBERS:			
• ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X		ACI 318: 26.13.3.2
• MECHANICAL ANCHORS, ADHESIVE ANCHORS AND REINFORCING BAR NOT DEFINED ABOVE		X	ACI 318: 26.13.3
VERIFYING USE OF REQUIRED DESIGN MIX		X	IBC 1904.1, 1904.2, ACI 318: 19, 26.4.3, 26.4.4
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X		ACI 318: 26.5, 26.12 ASTM C172, C31
INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X		ACI 318: 26.5
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X	ACI 318: 26.5.3-5
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE BEING FORMED		X	ACI 318: 26.11.1.2(B)

INSPECTIONS & STRUCTURAL OBSERVATIONS (CONT'D)

SPECIAL INSPECTIONS OF STRUCTURAL STEEL CONSTRUCTION OTHER THAN SEISMIC LATERAL FORCE RESISTING SYSTEMS (PER IBC 1705.2.1)

VERIFICATION AND INSPECTION	QC	QA	REFERENCE
INSPECTION OF FABRICATOR'S QUALITY CONTROL PROCEDURES	P	P	IBC 1704.2.5 AISC 360-N.2
REVIEW OF MATERIAL TEST REPORTS AND CERTIFICATIONS LISTED IN AISC SECTION N3.2	P	P	AISC 360-N.5.2 AWS D1.1
INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS	P	P	AISC 360-N.5.8
INSPECTION DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL	O	O	AISC 360-N.5.8
INSPECTION OF COMPOSITE CONSTRUCTION, INCLUDING PLACEMENT OF STEEL DECK AND STEEL HEADED STUD ANCHORS	O	O	SDI QA/QC - 2011
NON-DESTRUCTIVE TESTING OF WELDED JOINTS			AISC 360-N5.5 AWS D1.1
INSPECTION OF WELDING OF STRUCTURAL STEEL			
INSPECTION TASKS PRIOR TO WELDING OF STRUCTURAL STEEL:			
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	P	O	
WPS AVAILABLE	P	P	
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P	
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O	
WELDER IDENTIFICATION SYSTEM	O	O	
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)	O	O	AISC 360-N5.4-1 AWS D1.1
FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y-, AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	P	O	
CONFIGURATION AND FINISH OF ACCESS HOLES	O	O	
FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	O	O	
CHECK WELDING EQUIPMENT	O	-	
INSPECTION TASKS DURING WELDING OF STRUCTURAL STEEL:			
CONTROL AND HANDLING OF WELDING CONSUMABLES • PACKAGING • EXPOSURE CONTROL	O	O	
NO WELDING OVER CRACKED WELD TABS	O	O	
ENVIRONMENTAL CONDITIONS • WIND SPEED WITHIN LIMITS • PRECIPITATION AND TEMPERATURE	O	O	
WPS FOLLOWED • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHI

INSPECTIONS & STRUCTURAL OBSERVATIONS (CONT'D)

SPECIAL INSPECTIONS OF STRUCTURAL STEEL CONSTRUCTION AT SEISMIC LATERAL FORCE RESISTING SYSTEMS (PER IBC 1705.13.1)

VERIFICATION AND INSPECTION	QC TASK	QC DOC.	QA TASK	QA DOC.	REFERENCE
NON-DESTRUCTIVE TESTING OF WELDED JOINTS	O	O	P	P	AISC 360-N5.5 AWS D1.1
INSPECTION OF WELDING OF STRUCTURAL STEEL					
VISUAL INSPECTION TASKS PRIOR TO WELDING OF STRUCTURAL STEEL:					
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	-	O	-	
WELDER IDENTIFICATION SYSTEM	O	-	O	-	
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)	P/O**	-	O	-	AISC 341-J6.1 AISC-N5.4-1 AWS D1.8
CONFIGURATION AND FINISH OF ACCESS HOLES	O	-	O	-	
FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	P/O**	-	O	-	
VISUAL INSPECTION TASKS DURING WELDING OF STRUCTURAL STEEL:					
WPS FOLLOWED: • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYPE/FLOW RATES • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) • PROPER POSITION (F,V,H,OH) • INTERMIX OF FILLER METALS AVOIDED	O	-	O	-	AISC 341-J6.2 AISC-N5.4-2 AWS D1.8
USE OF QUALIFIED WELDERS	O	-	O	-	
ENVIRONMENTAL CONDITIONS • WIND SPEED WITHIN LIMITS • PRECIPITATION AND TEMPERATURE	O	-	O	-	
WELDING TECHNIQUES • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS	O	-	O	-	
NO WELDING OVER CRACKED WELD TABS	O	-	O	-	
VISUAL INSPECTION TASKS AFTER WELDING OF STRUCTURAL STEEL:					
WELDS CLEANED	O	-	O	-	
SIZE, LENGTH AND LOCATION OF WELDS	P	-	P	-	
WELDS MEET VISUAL ACCEPTANCE CRITERIA • CRACK PROHIBITION • WELD/BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY	P	D	P	D	AISC 341-J6.3 AISC-N5.4-3 AWS D1.8
K-AREA - WHEN WELDING OF DOUBLER, CONTINUITY, OR STIFFENER PLATES HAS BEEN PERFORMED IN K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD	P	D	P	D	
PLACEMENT OF REINFORCING OR CONTOURING FILLET WELDS (IF REQUIRED)	P	D	P	D	
PLACEMENT OF REINFORCING OR CONTOURING FILLET WELDS (IF REQUIRED)	P	D	P	D	
REPAIR ACTIVITIES	P	-	P	D	
INSPECTION OF BOLTING OF STRUCTURAL STEEL					
INSPECTION TASKS PRIOR TO BOLTING:					
CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL	O	-	O	-	AISC 341-J7.1
CORRECT BOLTING PROCEDURE FOR JOINT DETAIL	O	-	O	-	
CONNECTION ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABILITY REQUIREMENTS	O	-	O	-	
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION OF PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHO...	P	D	P	D	
PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	O	-	O	-	

O - OBSERVE P - PERFORM D - DOCUMENT

SPECIAL INSPECTIONS OF STRUCTURAL STEEL CONSTRUCTION AT SEISMIC LATERAL FORCE RESISTING SYSTEMS (PER IBC 1705.13.1) (CONT'D)

VERIFICATION AND INSPECTION	QC TASK	QC DOC.	QA TASK	QA DOC.	REFERENCE
INSPECTION TASKS DURING BOLTING:					
FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED	O	-	O	-	AISC 341-J7.2
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	-	O	-	
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATION	O	-	O	-	
FASTENERS ARE PRETENSIONED PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FASTENERS ARE PRETENSIONED PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	-	O	-	
INSPECTION TASKS AFTER BOLTING:					
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	D	P	D	AISC 341-J7.3
OTHER INSPECTION TASKS					
RBS REQUIREMENTS, IF APPLICABLE • CONTOUR AND FINISH • DIMENSIONAL TOLERANCES	P	D	P	D	AISC 341-J8
PROTECTED ZONE - NO HOLES AND UNAPPROVED ATTACHMENTS MADE BY FABRICATOR OR ERECTOR	P	D	P	D	AISC 341-J8

**FOLLOWING PERFORMANCE OF THIS INSPECTION TASK FOR TEN WELDS TO BE MADE BY A GIVEN WELDER, WITH THE WELDER DEMONSTRATING UNDERSTANDING OF REQUIREMENTS AND POSSESSION OF SKILLS AND TOOLS TO VERIFY THESE ITEMS, THE PERFORM DESIGNATION OF THIS TASK SHALL BE REDUCED TO OBSERVE, AND THE WELDER SHALL PERFORM THIS TASK. SHOULD THE INSPECTOR DETERMINE THAT THE WELDER HAS DISCONTINUED PERFORMANCE OF THIS TASK, THE TASK SHALL BE RETURNED TO PERFORM UNTIL SUCH TIME AS...

O - OBSERVE P - PERFORM D - DOCUMENT

GEOTECHNICAL

REPORT & GENERAL CRITERIA
CRITERIA OUTLINED IN THE REPORT LISTED BELOW WAS USED FOR THE DESIGN OF THE FOUNDATIONS:
GEOTECHNICAL INVESTIGATION WASHINGTON STATE DEPARTMENT OF TRANSPORTATION SEKIU MAINTENANCE FACILITY
PREPARED BY GRI (02/05/2026)

CONTRACTOR SHALL BE FAMILIAR WITH RECOMMENDATIONS IN THE ABOVE-MENTIONED REPORT PRIOR TO START OF CONSTRUCTION. ALLOWABLE SOIL PRESSURE AND LATERAL EARTH PRESSURE ARE ASSUMED AND THEREFORE MUST BE VERIFIED BY A GEOTECHNICAL INSPECTOR OR THE BUILDING OFFICIAL. IF SOILS ARE FOUND TO BE OTHER THAN ASSUMED, NOTIFY THE STRUCTURAL ENGINEER FOR POSSIBLE FOUNDATION REDESIGN. FOR WET WEATHER WORK, SEE THE GEOTECHNICAL REPORT.

UNLESS NOTED OTHERWISE, FOOTINGS SHALL BE CENTERED BELOW COLUMNS OR WALLS.

INSPECTIONS
ALL PREPARED SOIL-BEARING SURFACES SHALL BE INSPECTED BY THE OWNERS GEOTECHNICAL INSPECTOR (OR BUILDING OFFICIAL) PRIOR TO PLACEMENT OF REINFORCING STEEL AND CONCRETE. INSPECTIONS SHALL BE MADE PER IBC TABLE 1705.6.

BEARING VALUES
ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL AND SHALL BE LOWERED TO FIRM BEARING IF SUITABLE SOIL IS NOT FOUND AT ELEVATIONS SHOWN. EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 18" BELOW THE FINISHED GROUND SURFACE. FOOTING ELEVATIONS SHOWN ON PLANS (OR IN DETAILS) ARE MINIMUM DEPTHS AND FOR GUIDANCE ONLY; THE ACTUAL ELEVATIONS OF FOOTINGS MUST BE ESTABLISHED BY THE CONTRACTOR IN THE FIELD WORKING WITH THE GEOTECHNICAL INSPECTOR.

SOIL ALLOWABLE BEARING PRESSURE = 2,000 PSF

SOIL ALLOWABLE BEARING PRESSURE MAY BE INCREASED BY 1/3 UNDER TRANSIENT LOADS (WIND, SEISMIC, IMPACT).

SUBGRADE PREPARATION
PREPARE SUBGRADE PER THE GEOTECHNICAL REPORT, SUMMARIZED AS FOLLOWS: ALL FOOTINGS SHALL BE CAST ON UNDISTURBED FIRM NATURAL SOILS THAT ARE FREE OF ORGANIC MATERIALS. FOOTING EXCAVATION SHALL BE FREE OF LOOSE SOILS, SLOUGHS, DEBRIS AND FREE OF WATER AT ALL TIMES. OVEREXCAVATE A MINIMUM OF 2'-0" BELOW THE DESIGN FOUNDATION SUBGRADE ELEVATION PRIOR TO PLACING FOOTINGS. THE OVEREXCAVATED AREAS SHALL BE BACKFILLED WITH STRUCTURAL FILL COMPACTED TO 95% PROCTOR PER ASTM D698 OR A LEAN CONCRETE MIX.

EXISTING UTILITIES
THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL ADJACENT UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION, SHORING, PILE DRIVING, OR PIER DRILLING. ANY UTILITY INFORMATION SHOWN ON THE PLANS AND DETAILS ARE APPROXIMATE AND NOT VERIFIED BY THE SEOR. CONTRACTOR IS TO PROVIDE PROTECTION OF ANY UTILITIES OR UNDERGROUND STRUCTURES DURING CONSTRUCTION.

DRAINAGE
DRAINAGE SYSTEMS, INCLUDING FOUNDATION, ROOF AND SURFACE DRAINS, SHALL BE INSTALLED AS DIRECTED BY THE GEOTECHNICAL REPORT. VAPOR RETARDER PLACED BELOW SLAB-ON-GRADE SHALL CONFORM TO ASTM E1643 AND ASTM E1745.

RETAINING WALLS
GRADE ON EITHER SIDE OF CONCRETE WALLS SHALL NOT VARY BY MORE THAN 12", UNO. SLOPE OF BACKFILL SHALL NOT EXCEED 2H TO 1V, UNO. BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING, GRANULAR FILL INSTALLED PER THE GEOTECHNICAL REPORT. PROVIDE FOR SUBSURFACE DRAINAGE. DESIGN PRESSURES USED FOR THE DESIGN OF RETAINING WALLS ARE BASED ON DRAINED CONDITIONS.

ACTIVE EARTH PRESSURE (RESTRAINED/UNRESTRAINED) = 55/35 PCF
SEISMIC EARTH PRESSURE (RESTRAINED/UNRESTRAINED) = 32/17 PCF
PASSIVE EARTH PRESSURE = 250 PCF
COEFFICIENT OF FRICTION = 0.55

PRIOR TO BACKFILL BEING PLACED AT RESTRAINED RETAINING WALLS, PROVIDE TEMPORARY SHORING OR COMPLETELY INSTALL AND DETAIL THE SUPPORTING FLOOR STRUCTURE AND ATTACHMENT TO PERPENDICULAR WALLS.

CONCRETE

CAST-IN-PLACE CONCRETE
CONCRETE MATERIALS SHALL CONFORM TO THE FOLLOWING:

PORTLAND CEMENT:	TYPE I, ASTM C150 OR TYPE 1L, ASTM C595
FLY ASH (IF USED):	ASTM C618 CLASS F OR C
SLAG CEMENT (IF USED):	ASTM C989
LIGHTWEIGHT AGGREGATES:	LIGHTWEIGHT AGGREGATES SHALL NOT BE USED WITHOUT PRIOR APPROVAL OF SEOR AND BUILDING DEPARTMENT
NORMAL WEIGHT AGGREGATES:	ASTM C33
SAND EQUIVALENT:	ASTM C33
WATER:	POTABLE PER ASTM C94
AIR ENTRAINING ADMIXTURES:	ASTM C260
CHEMICAL ADMIXTURES:	ASTM C494
FLOWABLE CONCRETE ADMIXTURES:	ASTM C1017

DURABILITY REQUIREMENTS OF CONCRETE MIXES SHALL CONFORM TO BUILDING CODE. THESE REQUIREMENTS INCLUDE WATER-CEMENTITIOUS MATERIAL RATIOS, MINIMUM COMPRESSIVE STRENGTHS, AIR ENTRAINMENT, TYPE OF CEMENT, AND MAXIMUM CHLORIDE ION CONTENT.

CONCRETE STRENGTH REQUIREMENTS TABLE

LOCATION	STRENGTH[1] f'c (PSI)	MAX AGG SIZE	MAX W/C RATIO	TOTAL AIR CONTENT	EXPOSURE CATEGORIES AND CLASSES F	S	W	C
LEAN MIX SOIL REPLACEMENT UNDER FOUNDATIONS	1,500	SAND	1.5 SACK CEMENT	-	F1	S0	W0	C1
FOUNDATIONS; WALLS, COLUMNS, ALL OTHER CONCRETE (INTERIOR)	4,000	1"	0.44	4.5%	F1	S0	W0	C1
SLAB ON GRADE; WALLS, COLUMNS, ALL OTHER CONCRETE (EXTERIOR)	5,000	3/4"	0.40	6%	F2	S0	W0	C1

[1] 28-DAY CONCRETE STRENGTH, UNLESS NOTED OTHERWISE

CONCRETE MIXTURES
MIXES SHALL BE PROPORTIONED TO MEET COMPLIANCE REQUIREMENTS OF ACI 318 SECTION 26.4.3. SLUMP, W/C RATIO, ADMIXTURES AND AGGREGATE SIZE WILL BE DETERMINED BY THE CONTRACTOR. SUBMIT DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS FOR REVIEW BY THE SEOR BEFORE THE MIXTURE IS USED AND BEFORE MAKING CHANGES TO MIXTURES ALREADY IN USE. DOCUMENTATION SHALL COMPLY WITH ACI 318 SECTION 26.4.4.

ALL CONCRETE, INCLUDING SLAB ON GRADE, SHALL CONTAIN AN ACCEPTABLE WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C494 AND BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

ALL CONCRETE WHICH IS EXPOSED TO FREEZING AND THAWING IN A MOIST CONDITION OR EXPOSED TO DEICING CHEMICALS SHALL CONTAIN AN AIR ENTRAINING AGENT, CONFORMING TO ASTM C260. TOTAL AIR CONTENT SHALL BE ADJUSTED PER ACI 318 FOR MIX DESIGNS WITH SMALLER NOMINAL AGGREGATE SIZE. THE AMOUNT OF ENTRAINED AIR SHALL BE MEASURED AT THE DISCHARGE END OF THE PLACING NOZZLE. ENTRAINED AIR SHALL BE AS NOTED ± 1.0% BY VOLUME. AIR-ENTRAINMENT SHALL NOT BE USED AT SLABS THAT WILL RECEIVE A SMOOTH, DENSE, HARD-TROWELED FINISH.

TRUCKS HAULING PLANT-MIXED CONCRETE SHALL ARRIVE ON-SITE WITH A FIELD TICKET INDICATING THE MAXIMUM GALLONS OF WATER THAT CAN BE ADDED AT THE SITE NOT TO EXCEED THE TOTAL WATER CONTENT IN THE APPROVED MIX DESIGN.

CONCRETE SHALL BE DEPOSITED AS NEARLY AS PRACTICABLE IN ITS FINAL POSITION TO AVOID SEGREGATION DUE TO REHANDLING OR FLOWING. CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY SUITABLE MEANS DURING PLACEMENT AND SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT, EMBEDDED ITEMS, AND INTO CORNERS OF FORMS.

FORMWORK AND ACCESSORIES
CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND THE BUILDING CODE, INCLUDING TESTING PROCEDURES. SEE SPECIFICATIONS AND/OR ARCHITECTURAL DOCUMENTS FOR FORMWORK REQUIREMENTS. INSTALLATION SHALL ADHERE TO ACI 301. CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN CONCRETE CONSTRUCTION.

SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF DOOR AND WINDOW OPENINGS IN ALL CONCRETE WALLS. SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF MECHANICAL OPENINGS THROUGH CONCRETE WALLS. SEE ARCHITECTURAL DRAWINGS FOR ALL GROOVES, NOTCHES, CHAMFERS, FEATURE STRIPS, COLOR, TEXTURE, AND OTHER FINISH DETAILS AT ALL EXPOSED CONCRETE SURFACES, BOTH CAST-IN-PLACE AND PRECAST. SEE STRUCTURAL DETAILS FOR REINFORCING AROUND OPENINGS.

CONTRACTOR SHALL SUBMIT THE PROPOSED LOCATIONS OF CONSTRUCTION JOINTS TO THE ARCHITECT FOR ACCEPTANCE BEFORE STARTING CONSTRUCTION. ERICO LENTON FORMASAVER (IAPMO-UES-ER-0129) MAY BE USED AS AN ALTERNATE TO THE ROUGHENED JOINT. ALL CONSTRUCTION, CONTROL, AND ISOLATION JOINTS FOR SLABS ON GROUND SHALL BE IN ACCORDANCE WITH THE TYPICAL DETAILS.

CONCRETE ACCESSORIES AND EMBEDDED ITEMS SHALL BE COORDINATED WITH ARCHITECTURAL AND ALL OTHER CONTRACT DOCUMENTS AND SUPPLIERS' DRAWINGS BEFORE PLACING CONCRETE. WET-SETTING OF ANCHOR RODS, REINFORCING, HARDWARE, ETC. IS NOT ALLOWED IN CONCRETE. ANCHOR RODS, REINFORCING, HARDWARE, ETC. SHALL BE FIRMLY TIED IN PLACE PRIOR TO CONCRETE PLACEMENT.

REFER TO ARCHITECTURAL DOCUMENTS FOR WATERSTOPS, DAMP PROOFING, AND SOIL RETAINING WALL DRAINAGE REQUIREMENTS AT CONCRETE AND AT CONCRETE JOINTS (CONSTRUCTION JOINTS, SLAB TO WALL JOINTS, CURB TO SLAB JOINTS, ETC).

CONCRETE (CONT'D)

CURING AND FINISHES
PROTECT AND CURE FRESHLY PLACED CONCRETE PER ACI 305.1 IN HOT CONDITIONS, ACI 306.1 IN COLD CONDITIONS, AND ACI 308.1 " SPECIFICATION FOR CURING CONCRETE". ALL EXPOSED EDGES AND CORNERS SHALL HAVE 3/4" CHAMFER, UNO. CONCRETE FLATWORK SHALL BE SLOPED TO PROVIDE POSITIVE DRAINAGE. COORDINATE FINISH WITH ARCHITECTURAL CONTRACT DOCUMENTS.

AT THE TIME OF APPLICATION OF FINISH MATERIALS OR SPECIAL TREATMENT TO CONCRETE, MOISTURE CONTENT OF CONCRETE SHALL CONFORM TO REQUIREMENTS IN FINISH MATERIAL SPECIFICATIONS. WHERE VAPOR SENSITIVE COVERINGS ARE TO BE PLACED ON SLABS ON GRADE, CONFORM STRICTLY TO SLAB COVERING MANUFACTURER'S RECOMMENDATIONS REGARDING VAPOR RETARDER AND GRANULAR FILL REQUIREMENTS BELOW THE SLAB.

CONCRETE CRACK MAINTENANCE
CRACKING OCCURS IN CONCRETE STRUCTURES DUE TO INHERENT SHRINKAGE, CREEP, AND THE RESTRAINING EFFECTS OF WALLS AND OTHER STRUCTURAL ELEMENTS. MOST CRACKING DUE TO SHRINKAGE AND CREEP WILL LIKELY OCCUR OVER THE FIRST TWO YEARS OF THE LIFE OF THE STRUCTURE; FURTHER CONCRETE MOVEMENT DUE TO VARIATIONS IN TEMPERATURE MAY PERSIST. CRACKS THAT RESULT IN WATER PENETRATION WILL NEED TO BE REPAIRED TO PROTECT REINFORCING. OTHER CRACKING MAY BE REPAIRED AT THE OWNER'S DISCRETION FOR AESTHETICAL REASONS OR PERFORMANCE OF APPLIED FINISHES. PRIOR TO REPAIRING CRACKS, A STRUCTURAL ENGINEER SHOULD BE CONSULTED TO PROVIDE DIRECTION ON WHICH CRACKS TO REPAIR AND ON WHETHER OBSERVED CRACKS MAY AFFECT THE STRENGTH OF THE STRUCTURE.

GROUTING STEEL BASE PLATES
NONSHRINK GROUT FOR BASE PLATES SHALL BE AN APPROVED NONSHRINK CEMENTITIOUS GROUT CONTAINING NATURAL AGGREGATES DELIVERED TO THE JOB SITE IN FACTORY PREPACKAGED CONTAINERS REQUIRING ONLY THE ADDITION OF WATER. THE MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE AT LEAST TWICE THE SPECIFIED COMPRESSIVE STRENGTH OF THE UNDERLYING CONCRETE. THE GROUTS SHALL MEET ASTM C1107. APPROVED GROUTS INCLUDE: MASTER BUILDERS' "MASTER FLOW 713", SIKA CORPORATION'S "SIKAGROUT 212", BURKE COMPANY'S "NONFERROUS NONSHRINK GROUT", W.R. MEADOWS CG-86 CONSTRUCTION GRADE GROUT, OR APPROVED EQUAL. GROUT SHALL BE MIXED, APPLIED, AND CURED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS.

REINFORCEMENT IN CONCRETE

REINFORCING STEEL
REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT S1), GRADE 60, Fy = 60,000 PSI.

PROCEDURES
REINFORCING STEEL SHALL BE DETAILED (INCLUDING HOOKS AND BENDS) IN ACCORDANCE WITH ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT". LAP ALL REINFORCEMENT IN ACCORDANCE WITH "THE REINFORCING SPLICE AND DEVELOPMENT LENGTH SCHEDULE" ON THESE DOCUMENTS. IF TABLE IS NOT PROVIDED, LAP ALL REINFORCING BY 40 BAR DIAMETERS. PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS.

REINFORCING STEEL SHALL BE ADEQUATELY SUPPORTED TO PREVENT DISPLACEMENT DURING CONCRETE AND GROUT PLACEMENT. BARS SHALL BE BENT COLD.

BARS PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT, UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE SEOR.

MECHANICAL CONNECTION OF CONTINUOUS REINFORCING BAR SHALL BE USED WHERE SHOWN ON DOCUMENTS AND MAY BE SUBSTITUTED FOR LAP SPLICES IF APPROVED BY THE SEOR. SUCH CONNECTIONS SHALL DEVELOP AT LEAST 125% OF THE SPECIFIED YIELD STRENGTH OF THE BAR. ACCEPTABLE CONNECTORS SHALL BE THE ERICO LENTON STANDARD COUPLER (ER-0129), DAYTON SUPERIOR BAR-LOCK L SERIES (ER-0319), OR APPROVED EQUAL.

WELDING OR TACK WELDING OF REINFORCING BARS TO OTHER BARS OR TO PLATES, ANGLES, ETC, IS PROHIBITED, EXCEPT WHERE SPECIFICALLY APPROVED BY THE SEOR. WHERE WELDING IS APPROVED, IT SHALL BE DONE BY AWS/WABO-CERTIFIED WELDERS USING E9018 OR APPROVED ELECTRODES. WELDING PROCEDURES SHALL CONFORM TO THE REQUIREMENTS OF AWS D1.4. ANY GRADE 60 REINFORCING BARS INDICATED ON DRAWINGS TO BE WELDED SHALL CONFORM TO ASTM A706. REINFORCEMENT COMPLYING WITH ASTM A615 (S1) MAY BE WELDED ONLY IF MATERIAL PROPERTY REPORTS INDICATING CONFORMANCE WITH WELDING PROCEDURES SPECIFIED IN AWS D1.4 ARE SUBMITTED. WELDING WITHIN 4" OF COLD BENDS IN REINFORCING STEEL IS NOT PERMITTED.

ANCHORAGE

POST-INSTALLED ANCHORS OR REINFORCING BAR SHALL NOT BE INSTALLED WITHOUT PRIOR APPROVAL OF ENGINEER OF RECORD UNLESS NOTED OTHERWISE ON THE PLANS.

ADHESIVE ANCHORS
ADHESIVE ANCHORS (THREADED RODS OR REINFORCING BAR) SPECIFIED ON THE DRAWINGS SHALL BE INSTALLED USING "HIT-HY 200 V3" AS MANUFACTURED BY THE HILTI CORPORATION. INSTALL IN STRICT ACCORDANCE WITH ICC REPORT NO. ESR-4868. RODS SHALL BE ASTM F1554 GR.55, UNLESS NOTED OTHERWISE. SPECIAL INSPECTION OF INSTALLATION IS REQUIRED.

EXPANSION ANCHORS
EXPANSION ANCHORS INTO CONCRETE AND CONCRETE MASONRY UNITS SHALL BE "CS STRONG BOLT 2" AS MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY. INSTALL IN STRICT ACCORDANCE WITH ICC REPORT NUMBER ESR-3037 (INTO CONCRETE) OR IAPMO REPORT NUMBER ESR-240 (INTO MASONRY), INCLUDING MINIMUM EMBEDMENT REQUIREMENTS. AT CONCRETE MASONRY OR BRICK MASONRY APPLICATIONS, BOLTS SHALL BE INSTALLED INTO FULLY-GROUTED CELLS. SUBSTITUTES PROPOSED BY CONTRACTOR SHALL BE SUBMITTED FOR REVIEW WITH ICC REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. SPECIAL INSPECTION OF INSTALLATION IS REQUIRED.

STRUCTURAL STEEL

REFERENCE STANDARDS
STEEL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITIONS OF THE AISC SPECIFICATIONS AND CODES. "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" ANSI/AISC 360, "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" AISC 348 AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AISC 303 AMENDED BY THE DELETION OF PARAGRAPH 4.4.1.

FABRICATORS
FABRICATORS FOR STRUCTURAL STEEL MUST HAVE A QUALITY ASSURANCE PROGRAM IN PLACE. THE QUALITY ASSURANCE PROGRAM MUST MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING METHODS:

- REGISTRATION IN THE WASHINGTON ASSOCIATION OF BUILDING OFFICIALS (WABO) STEEL FABRICATOR REGISTRATION PROGRAM
- PARTICIPATION IN THE AISC QUALITY CERTIFICATION PROGRAM, DESIGNATED AS AN AISC CERTIFIED PLANT, CATEGORY BU.
- MEETING THE REQUIREMENTS OF AISC 360 FOR STRUCTURAL STEEL BUILDINGS, CHAPTER N AND SUBMITTING PLAN DOCUMENTATION TO THE AUTHORITY HAVING JURISDICTION, THE ENGINEER OF RECORD, AND THE OWNER OR OWNER'S DESIGNEE. QUALITY ASSURANCE REQUIREMENTS OF STEEL CONSTRUCTION FOR WIND AND SEISMIC (AISC 341, CHAPTER J) SHALL BE INCLUDED AS REQURED IN SPECIAL INSPECTION SECTION OF THE GENERAL NOTES, WHERE APPLICABLE.

FABRICATOR FOR STRUCTURAL STEEL MUST BE REGISTERED AND APPROVED TO PERFORM WORK WITHOUT SPECIAL INSPECTION. AT COMPLETION OF FABRICATION, THE FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

FINISHING
THE TERMS FINISH, FINISH COLUMN, FINISHING, MILLED, MILLED SURFACE OR MILLING ARE INTENDED TO INCLUDE SURFACES WHICH HAVE BEEN ACCURATELY SAWED OR FINISHED TO A TRUE PLANE AS DEFINED BY AISC.

GRIND SURFACE VALUE EQUAL TO OR LESS THAN 1,000 AS DEFINED BY ANSI B46.2 (4-INCH AND THINNER).

STEEL COATINGS AND PROTECTION
COATINGS AND PROTECTION (WEATHER, FIRE, CORROSION, ETC.) SHALL BE AS SPECIFIED BY THE ARCHITECT. GALVANIZED STEEL MEMBERS SHALL CONFORM TO ASTM A-123 AND GALVANIZED STEEL HARDWARE SHALL CONFORM TO ASTM A-153. GUIDELINES OUTLINED IN ASTM A-384 SHALL BE FOLLOWED IN ORDER TO SAFEGUARD AGAINST WARPING AND DISTORTION DURING HOT-DIP GALVANIZING OF STEEL ASSEMBLIES. STEEL ANCHORS AND TIES EMBEDDED IN CONCRETE AND MASONRY SHALL BE LEFT UNPAINTED.

CORROSION CONTROL
ALL STEEL NOTED AS GALVANIZED AND ANY STEEL IN GROUND CONTACT OR WITHIN 6-INCHES OF GRADE SHALL BE ZINC-PLATED (GALVANIZED) BY THE HOT-DIPPED GALVANIC METHOD (OR PRE-APPROVED EQUIVALENT), EXCEPT WHERE SUCH STEEL IS TO BE FULLY ENCASED IN CONCRETE. FURTHERMORE, ANY SURFACE WHERE THE COATING HAS BEEN REMOVED OR DAMAGED MUST BE BRUSHED AND RE-COATED IN CLEAN, DRY FIELD CONDITIONS WITH AN APPROVED ZINC-BASED ANTI-CORROSION COATING EXCEPT WHERE SUCH AREA IS TO BE ENCASED IN CONCRETE.

SHOP PAINTING
ALL STEEL TO BE SHOP PRIMED. STEEL FIRE PROOFED OR ENCASED WITH CONCRETE NEED NOT BE PAINTED. ALL OTHER STEEL SHALL BE GIVEN ONE COAT OF SHOP PAINT, IN ACCORDANCE WITH SECTION M3 OF THE AISC "SPECIFICATION" AND SECTION 6.5 OF THE AISC "CODE", UNLESS NOTED OTHERWISE. THE SURFACE PREPARATION OF THE STRUCTURAL STEEL PRIOR TO PAINTING SHALL BE IN ACCORDANCE WITH THE SPECIFIC PAINT MANUFACTURER'S PUBLISHED RECOMMENDATIONS. STRUCTURAL JOINTS AND FAYING SURFACES WHICH ARE TO BE CONNECTED BY MEANS OF WELDS OR BOLTS SHALL NOT BE PAINTED UNTIL ALL WELDS AND BOLTS ARE INSTALLED, INSPECTED AND APPROVED. PAINT SHALL BE HELD BACK 3" FROM THE FAYING SURFACE OR THE JOINT TO BE WELDED.

STRUCTURAL STEEL MEMBERS
STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS (UNLESS OTHERWISE SHOWN ON PLANS):

STRUCTURAL STEEL (CONT'D)

STRUCTURAL STEEL MEMBERS
STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS (UNLESS OTHERWISE SHOWN ON PLANS):

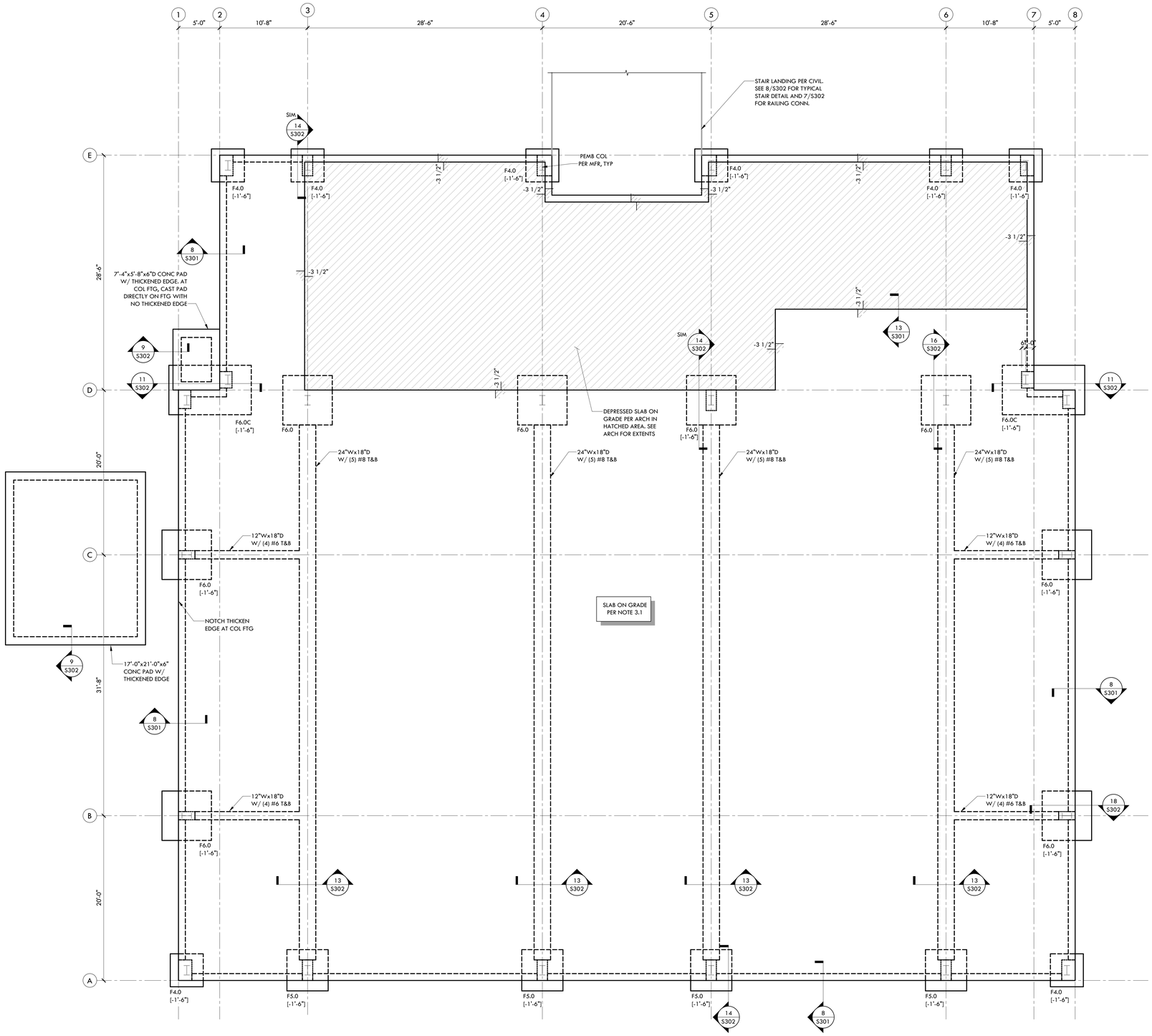
STRUCTURAL STEEL MEMBER SPECIFICATIONS TABLE

TYPE OF MEMBER	ASTM SPECIFICATION	Fy
ROLLED WIDE-FLANGE SHAPES	A992	50 KSI
SQUARE & RECTANGULAR HSS SECTIONS	A500, GRADE C	50 KSI
ROUND HSS SECTIONS	A500, GRADE C	46 KSI
STEEL PIPES	A53, GRADE B	35 KSI
PLATES, CHANNELS, ANGLES	A36, GRADE 36	36 KSI
THREADED RODS	A36	36 KSI
WELDED THREADED RODS	A108	-
ANCHOR RODS (HOOKED, HEADED, THREADED & NUTTED)	F1554, GRADE 36 (UNO)	36 KSI
COMMON BOLTS	A307, GRADE A	-
CONVENTIONAL HIGH-STRENGTH BOLTS (TYP, UNO)	A325, TYPE 1	-
TWIST-OFF TYPE TENSION-CONTROL BOLTS	F1852 (A325, TYPE 1)	-
HEX NUTS	A563	-
FLAT CIRCULAR WASHERS	F436	-
SQUARE OR RECTANGULAR BEVELED WASHERS	F436	-
COMPRESSIBLE-WASHER TYPE DIRECT-TENSION INDICATORS	F959	-
HEADED SHEAR STUDS	A29	-

STEEL FRAMING
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ERECTION AIDS AND JOINT PREPARATIONS THAT INCLUDE, BUT ARE NOT LIMITED TO: ERECTION ANGLES, LIFT HOLES, AND OTHER AIDS; WELDING PROCEDURES; REQUIRED ROOT OPENINGS; ROOT FACE DIMENSIONS; GROOVE ANGLES; BACKING BARS; COPES; SURFACE ROUGHNESS VALUES; AND TAPERS OF UNEQUAL PARTS.

WELDING
ALL WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARD AND SHALL BE PERFORMED BY AWS/WABO CERTIFIED WELDERS USING E70XX ELECTRODES IN ACCORDANCE WITH AWS D1.1. ONLY PREQUALIFIED WELDS, AS DEFINED BY AWS, SHALL BE USED.

SHOP DRAWINGS SHALL SHOW ALL WELDING WITH AWS D1.4 SYM



1 FOUNDATION PLAN - LEVEL 1
SCALE: 3/16" = 1'-0"

FOUNDATION PLAN NOTES

1. GENERAL

1.1. ELEVATION AT TOP OF SLAB SHALL BE PER ARCH, UNO.
ELEVATION AT TOP OF FOOTING SHALL BE 0'-6" BELOW TOP OF SLAB, UNO.

[-X'-X"] INDICATES ELEVATION AT TOP OF FOOTING, MEASURED IN FEET.

FOOTING ELEVATIONS SHOWN ARE FOR CONTRACTOR CONVENIENCE AND BIDDING ONLY. FINAL ELEVATIONS SHALL BE DETERMINED BY ON-SITE VERIFICATION BY SOILS ENGINEER, BUT SHALL NOT BE SHALLOWER THAN THOSE SHOWN ON THIS PLAN.
REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL INFORMATION.

1.2. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.

1.3. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF ALL MECHANICAL EQUIPMENT.

1.4. REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

2. FOUNDATIONS

2.1. EXCAVATE, BACKFILL, AND PREPARE SOILS AS REQUIRED PER STRUCTURAL GENERAL NOTES AND GEOTECHNICAL REPORT.

2.2. REFER TO MECHANICAL AND CIVIL DRAWINGS FOR LOCATIONS OF ALL UNDERSLAB PIPING. FOOTINGS MAY BE LOWERED TO AVOID CONFLICTS WITH PIPING.

2.3. REFER TO FOOTING SCHEDULE FOR SIZES AND REINFORCEMENT AT ALL COLUMN FOOTINGS.

2.4. STEP FOOTINGS AS REQUIRED PER TYPICAL STEPPED FOOTING DETAIL.

3. SLABS

3.1. TYPICAL SLAB ON GRADE SHALL BE 5" THICK WITH #4 @ 12" OC EACH WAY.
PLACE REINFORCEMENT AT ONE-THIRD DEPTH OF SLAB.

3.2. PROVIDE VAPOR BARRIER AND BASE COURSE BELOW SLAB AT INTERIOR SPACES PER GEOTECH REPORT.

3.3. PROVIDE CONTROL OR CONSTRUCTION JOINTS ON ALL COLUMN LINES, AT ALL RE-ENTRANT CORNERS, AND AT A MAXIMUM SPACING OF 30x SLAB THICKNESS.
PLACE JOINTS IN A MANNER THAT DIVIDES THE SLAB INTO RECTANGULAR AREAS 400 SQUARE FEET OR LESS. AREAS SHALL BE APPROXIMATELY SQUARE AND HAVE NO ACUTE ANGLES.
ALL JOINT LOCATIONS MUST BE APPROVED BY THE ARCHITECT PRIOR TO CONSTRUCTION.
REFER TO TYPICAL SLAB JOINT DETAIL.

3.4. REFER TO ARCHITECTURAL PLANS FOR SLAB ELEVATIONS AND SPECIAL CONCRETE WORK IN ELEVATOR CORE AND STAIR AREAS. PROVIDE JOINTING SIMILAR TO REMAINING SLAB, SUBJECT TO ARCHITECTURAL CONSIDERATIONS.

SPREAD FOOTING SCHEDULE

ALLOWABLE NET BEARING PRESSURE: 3,000 PSF

MARK	SIZE		BOTTOM REINFORCEMENT
	W x H	D	
F3.0	3'-0" x 3'-0"	12"	(6) #4 EA WAY
F4.0	4'-0" x 4'-0"	12"	(7) #4 EA WAY
F5.0	5'-0" x 5'-0"	12"	(8) #4 EA WAY
F6.0	6'-0" x 6'-0"	18"	(8) #5 T&B EA WAY
F6.0C	10'-0"x5'-0"	24"	(6) #6 LONG T&B #6 @ 10" OC TRANS

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ANTHONY MASON — STATE OF WASHINGTON — 24408 — REGISTERED PROFESSIONAL ENGINEER — 09/17/2026

Reviewed for
Building Code Compliance for
Tulalip Tribes
By BHC Consultants:
Phil Cecere
09/17/2026
Permit # BP 2026-026
TELA Gym Phase 1

TULALIP TRIBES TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET

FOUNDATION PLAN - LEVEL 1

ISSUANCE

No.	Description	Date

PROJECT INFORMATION

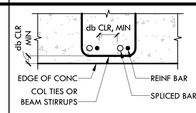
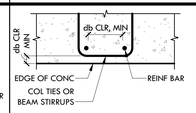
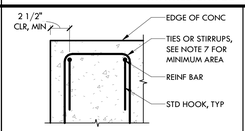
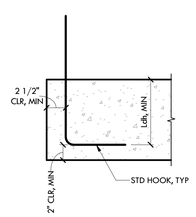
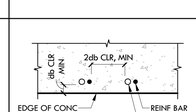
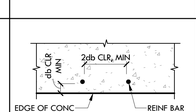
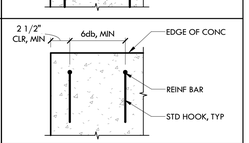
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REINFORCING BAR LAP SPLICE & DEVELOPMENT LENGTH DIAGRAMS

THE FOLLOWING CONDITIONS MUST BE MET IN ORDER TO USE THE REINFORCING BAR LAP SPLICE & DEVELOPMENT LENGTH TABLES

	LAP SPLICES	STRAIGHT BAR DEVELOPMENT	HOOKED BAR DEVELOPMENT	
CLASS 1: BARS ENCLOSED BY COLUMN TIES OR BEAM STIRRUPS				
CLASS 2: NO ENCLOSURE				
WHERE CONDITIONS FOR CLASSES 1 OR 2 ARE NOT MET	MULTIPLY LENGTHS SHOWN IN SCHEDULE BY 1.5	MULTIPLY LENGTHS SHOWN IN SCHEDULE BY 1.5	MULTIPLY LENGTHS SHOWN IN SCHEDULE BY 1.6	

NOTES:
1. ALL BARS SHALL BE DEVELOPED & ALL SPLICES LAPPED PER ACI 318 FOR TENSION, UNLESS NOTED OTHERWISE. TABLE MAY BE USED WHERE CONDITIONS MEET CRITERIA NOTED IN DIAGRAMS.
2. TABLES ARE APPLICABLE FOR NORMAL WEIGHT CONCRETE ONLY.
3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM. WALL HORIZONTAL REINFORCEMENT IS EXEMPT.
4. WHERE BARS OF DIFFERENT SIZE ARE LAP SPLICED, SPLICE LENGTH SHALL BE THE LARGER OF:
   a. STRAIGHT BAR DEVELOPMENT LENGTH OF LARGER BAR
   b. LAP SPLICE LENGTH OF SMALLER BAR
5. WHERE MINIMUM STRAIGHT BAR DEVELOPMENT LENGTH CANNOT BE ACHIEVED, USE WITH STANDARD HOOK.
6. REFER TO CONCRETE COVER TABLE FOR MINIMUM CONCRETE COVER REQUIREMENTS.
7. TO MEET CONDITIONS FOR CLASS 1 AT HOOKED BARS, THE TOTAL CROSS SECTIONAL AREA OF TIES OR STIRRUPS ENCLOSING THE HOOKED BARS SHALL BE GREATER THAN OR EQUAL TO 40% OF THE TOTAL CROSS SECTIONAL AREA OF THE HOOKED BARS.

REINFORCING BAR LAP SPLICE & DEVELOPMENT LENGTH TABLE

f'c = 4,000 psi **GRADE 60 REINFORCING**

BAR SIZE	MIN LAP SPLICE LENGTHS (Ls)		MIN STRAIGHT BAR DEVELOPMENT LENGTHS (Ld)		MIN HOOKED BAR EMBEDMENT LENGTHS (Ldh)
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	
#3	25"	19"	19"	15"	6"
#4	32"	25"	25"	19"	7"
#5	41"	31"	31"	24"	10"
#6	49"	37"	37"	29"	13"
#7	71"	54"	54"	42"	16"
#8	81"	62"	62"	48"	19"
#9	91"	70"	70"	54"	23"
#10	102"	79"	79"	61"	27"
#11	114"	87"	87"	67"	32"

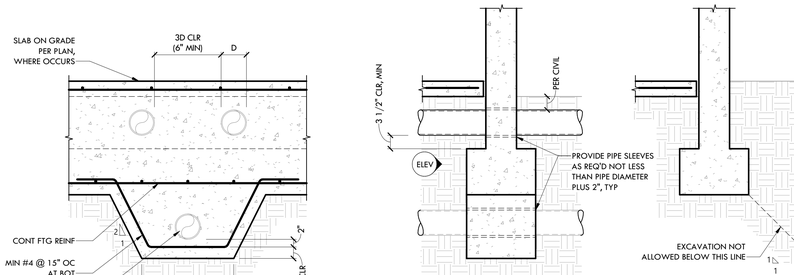
CONCRETE COVER FOR REINFORCING STEEL

REINFORCING BAR LOCATION	MINIMUM CONCRETE COVER
UNFORMED SURFACES CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#6 BARS AND LARGER)	2"
FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#5 BARS AND SMALLER)	1 1/2"
COLUMNS AND BEAMS W/ BARS ENCLOSED IN STIRRUPS, TIES OR SPIRAL REINFORCEMENT	1 1/2"
SLABS, JOISTS AND INTERIOR FACES OF WALLS (#11 BARS AND SMALLER)	3/4" (NOTE 3)
2-HOUR AND 3-HOUR SLABS	(REFER TO PLAN NOTES)
CLEAR SPACING BETWEEN LONGITUDINAL BARS IN COLUMNS AND BOUNDARY ELEMENTS	1 1/2" OR 1.5db
CLEAR SPACING BETWEEN PARALLEL BARS IN A LAYER	1" OR db
CLEAR SPACING BETWEEN (2) OR MORE PARALLEL LAYERS	1"

NOTES:
1. WHERE A THICKNESS OF COVER REQUIRED FOR FIRE PROTECTION IS GREATER THAN THAT SPECIFIED IN THIS TABLE, THE GREATER THICKNESS SHALL BE USED.
2. WHERE TWO VALUES ARE SHOWN, THE GREATER VALUE SHALL BE USED.
3. PROVIDE 1" CLEAR TO VERTICAL REINFORCEMENT AT INTERIOR FACE OF SHOTCRETE WALLS.

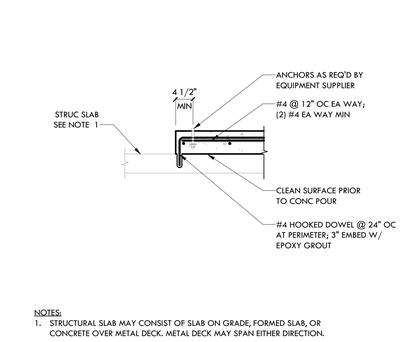
1 REINFORCING BAR LAP SPLICE & DEVELOPMENT LENGTH TABLES
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5 CONCRETE COVER FOR REINFORCING STEEL
NTS

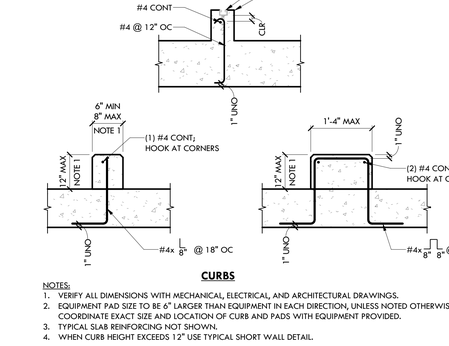


CORNER **INTERSECTION**

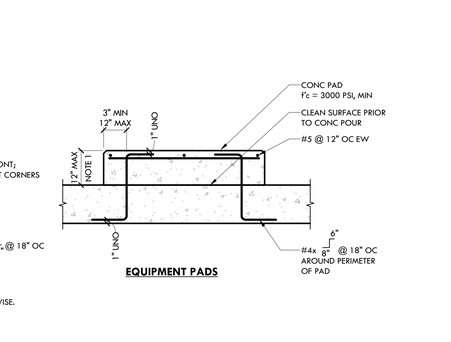
6 TYPICAL FOOTING INTERSECTIONS PLAN DETAIL
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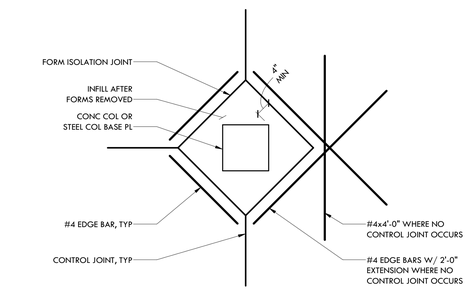
8 TYPICAL THICKENED SLAB EDGE
SCALE : 1 1/2" = 1'-0"



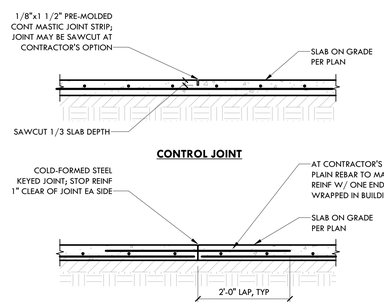
9 TYPICAL FOOTING EXCAVATION
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10 TYPICAL LEAN CONCRETE BACKFILL BELOW FOOTINGS
NTS

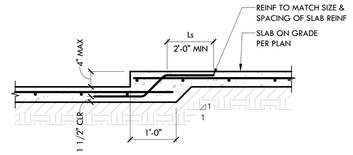


11 TYPICAL SLAB ON GRADE ISOLATION JOINT AT COLUMN
NTS

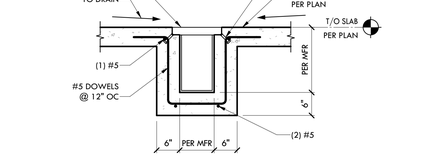


NOTES:
1. SAWED JOINTS SHALL BE MADE AS SOON AS THE JOINT CAN BE CUT WITHOUT EDGES RAVELING AND WITHIN 24 HOURS OF SLAB PLACEMENT.
2. SAWED JOINTS SHALL BE FITTED WITH SEALANT AS COORDINATED WITH THE ARCHITECT.

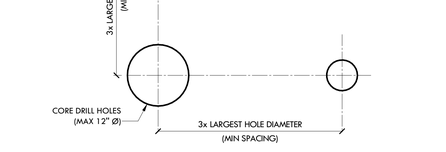
12 TYPICAL JOINTS IN SLAB ON GRADE
NTS



13 TYPICAL DEPRESSED SLAB
SCALE : 3/4" = 1'-0"



14 TRENCH DRAIN SECTION
SCALE : 3/4" = 1'-0"



NOTES:
1. WALL / SLAB REINF NOT SHOWN.
2. CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS & SIZES OF DRILLED HOLES TO THE ARCHITECT FOR REVIEW PRIOR TO DRILLING.
3. MAXIMUM CORE DRILLED HOLE IS 12-INCH DIAMETER.
4. CONTRACTOR TO VERIFY THAT PROPOSED CORE DRILLED HOLES DO NOT OCCUR DIRECTLY BELOW CONCENTRATED LOADS SUCH AS POST OR BEAMS.

15 TYPICAL CORE DRILLING EXISTING WALLS AND SLABS
NTS

ELEVATION

PIPE LOCATION AT FOUNDATION WALL **TRENCH LOCATION**

NOTES:
1. USE THIS DETAIL FOR ALL UTILITIES PASSING UNDER OR ADJACENT TO FOOTING.
2. STEP FOOTING DOWN TO PASS BELOW PIPES IF NEEDED.

16 TYPICAL PIPE AND TRENCH LOCATIONS
SCALE : 3/4" = 1'-0"

NOTES:
1. STRUCTURAL SLAB MAY CONSIST OF SLAB ON GRADE, FORMED SLAB, OR CONCRETE OVER METAL DECK. METAL DECK MAY SPAN EITHER DIRECTION.

18 TYPICAL HOUSEKEEPING PAD
SCALE : 3/4" = 1'-0"

CURBS **EQUIPMENT PADS**

NOTES:
1. VERIFY ALL DIMENSIONS WITH MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS.
2. EQUIPMENT PAD SIZE TO BE 6" LARGER THAN EQUIPMENT IN EACH DIRECTION, UNLESS NOTED OTHERWISE. COORDINATE EXACT SIZE AND LOCATION OF CURB AND PADS WITH EQUIPMENT PROVIDED.
3. TYPICAL SLAB REINFORCING NOT SHOWN.
4. WHEN CURB HEIGHT EXCEEDS 12" USE TYPICAL SHORT WALL DETAIL.

19 TYPICAL CURBS AND PADS ON CONCRETE SLABS
SCALE : 3/4" = 1'-0"

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LO Project Number : 26-050-01

ANTHONY MASON — STATE OF WASHINGTON — 24608 — REGISTERED PROFESSIONAL ENGINEER — 09/17/2026

Reviewed for
Building Code Compliance for
Tulalip Tribes
By BHC Consultants:
Phil Cecere
09/17/2026
Permit # BP 2026-026
TELA Gym Phase 1

TULALIP TRIBES TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET

TYPICAL CONCRETE SECTIONS & DETAILS

ISSUANCE

No.	Description	Date

PROJECT INFORMATION

PROJECT NUMBER:	26-050-01
PROJECT LEAD:	SL
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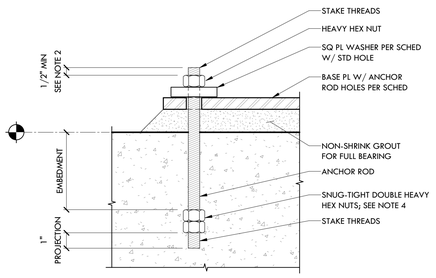
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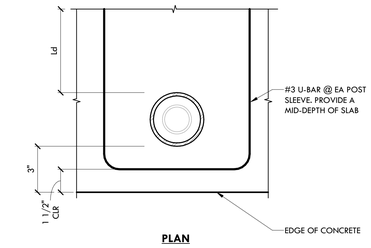
ANCHOR ROD TABLE

ANCHOR ROD DIAMETER	MAX HOLE DIAMETER	MIN WASHER DIMENSION	MIN WASHER THICKNESS
5/8"	15/16"	1 1/2"	1/4"
3/4"	1 5/16"	2"	1/4"
7/8"	1 9/16"	2 1/2"	5/16"
1"	1 13/16"	3"	3/8"
1 1/4"	2 1/16"	3"	1/2"
1 1/2"	2 5/16"	3 1/2"	1/2"
1 3/4"	2 3/4"	4"	5/8"
2"	3 1/4"	5"	3/4"

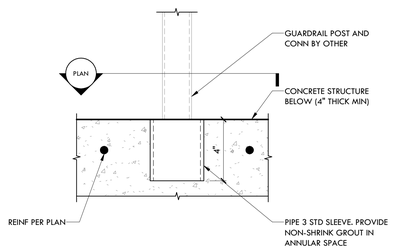


NOTES:
1. AT CONTRACTOR'S OPTION, ADDITIONAL LEVELING NUTS AND PLATE WASHERS MAY BE FURNISHED.
2. VERIFY SUFFICIENT THREAD ENGAGEMENT TO DEVELOP STRENGTH OF BOLT.
3. TIGHTEN ANCHOR RODS SNUG TIGHT AND TACK WELD TOP NUT TO ROD TO PREVENT LOOSENING.
4. AT CONTRACTOR'S OPTION, IN LIEU OF DOUBLE NUT SHOWN, IT IS ACCEPTABLE TO PROVIDE SINGLE NUT WITH TACK WELD ON THE UNDERSIDE OF THE NUT TO THE ANCHOR ROD, IN INSTANCES WHERE THE ANCHOR ROD AND THE NUT ARE OF COMPATIBLE AND WELDABLE STEEL GRADES.

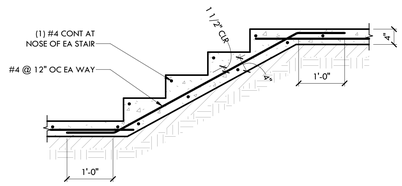
6 TYPICAL ANCHOR ROD
SCALE: 3" = 1'-0"



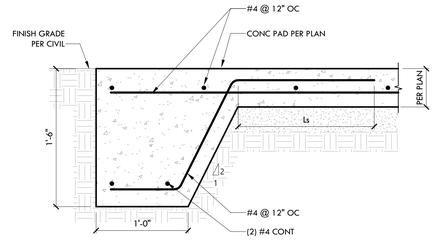
PLAN



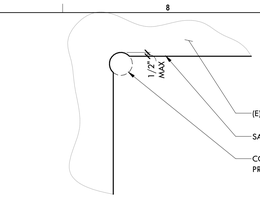
7 DETAIL
SCALE: 3" = 1'-0"



8 TYPICAL STAIR ON GRADE
SCALE: 3/4" = 1'-0"

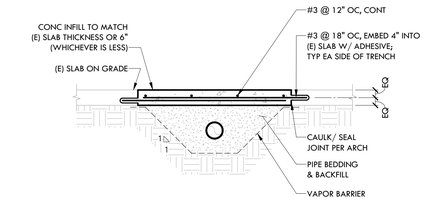


9 EXTERIOR EQUIPMENT CONCRETE PAD
SCALE: 1 1/2" = 1'-0"

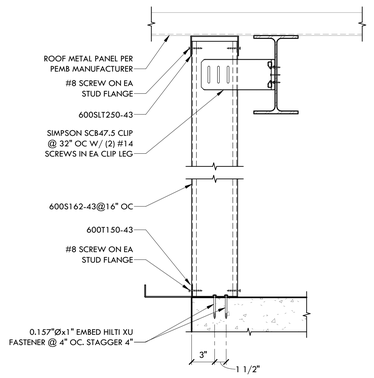


NOTES:
1. WALL REINFORCEMENT NOT SHOWN.
2. CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS & SIZES OF SAW-CUT OPENINGS TO THE ARCHITECT FOR REVIEW PRIOR TO CUTTING.
3. CORE DRILL SMALLEST HOLE THAT WILL ALLOW SAW CUTTING WITHOUT OVER CUTTING.
4. CONTRACTOR TO VERIFY PROPOSED SAW-CUT OPENING LOCATIONS CLEAR COLUMNS / PILASTERS.
5. MULTIPLE OPENINGS SHALL BE SPACED 3x LARGEST OPENING ON CENTER.

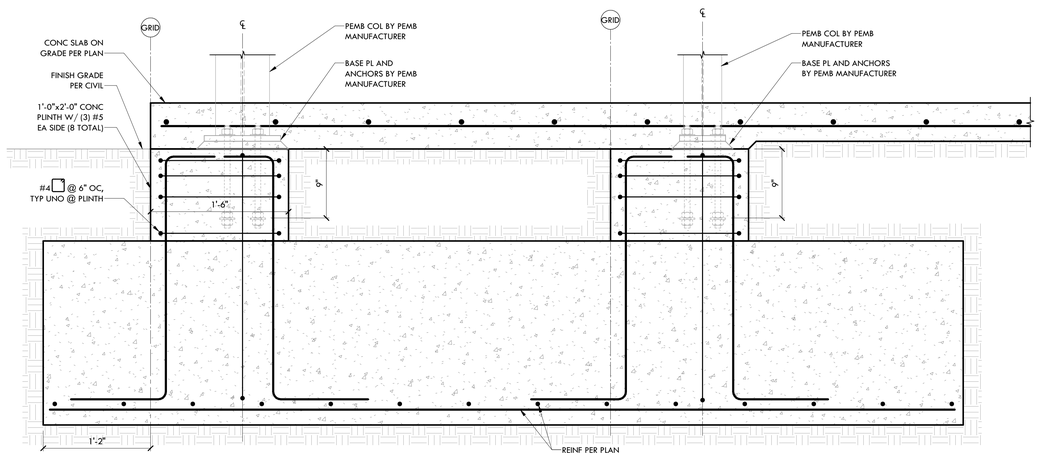
19 TYPICAL SAWCUT AT CORNERS
SCALE: 1 1/2" = 1'-0"



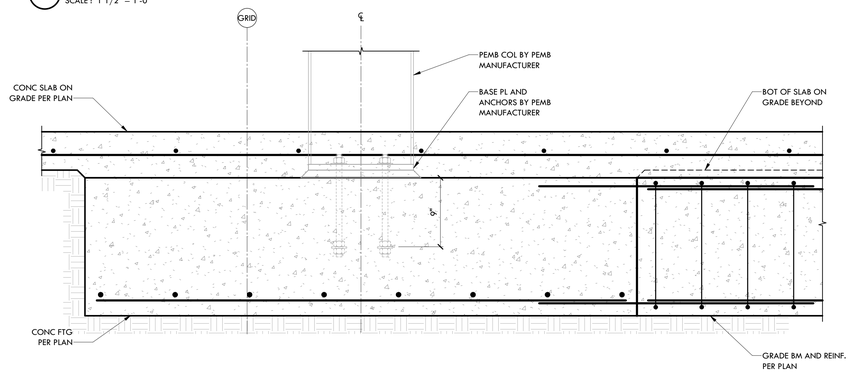
20 TYPICAL SLAB PATCH AT UTILITY TRENCH
SCALE: 3/4" = 1'-0"



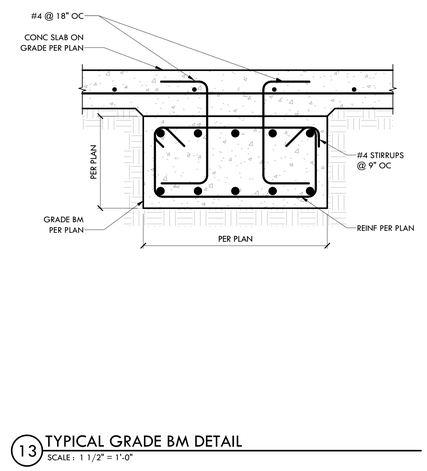
10 FRONT ENTRY CFS CONN
SCALE: 1 1/2" = 1'-0"



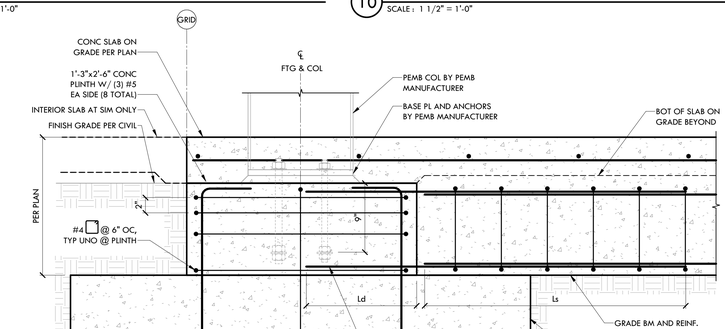
11 SECTION
SCALE: 1 1/2" = 1'-0"



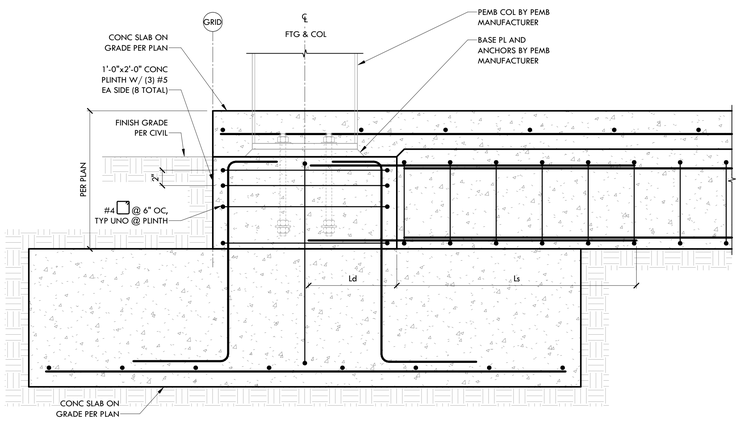
16 SECTION
SCALE: 1 1/2" = 1'-0"



13 TYPICAL GRADE BM DETAIL
SCALE: 1 1/2" = 1'-0"



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



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

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LO Project Number : 26-050-01

ANTHONY MASON — STATE OF WASHINGTON — 24028 — REGISTERED PROFESSIONAL ENGINEER — 07/17/2026

Reviewed for
Building Code Compliance for
Tulalip Tribes
By BHC Consultants:
Phil Cecere
09/17/2026
Permit # BP 2026-026
TELA Gym Phase 1

TULALIP TRIBES
TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET

TYPICAL CONCRETE SECTIONS & DETAILS

ISSUANCE

No.	Description	Date

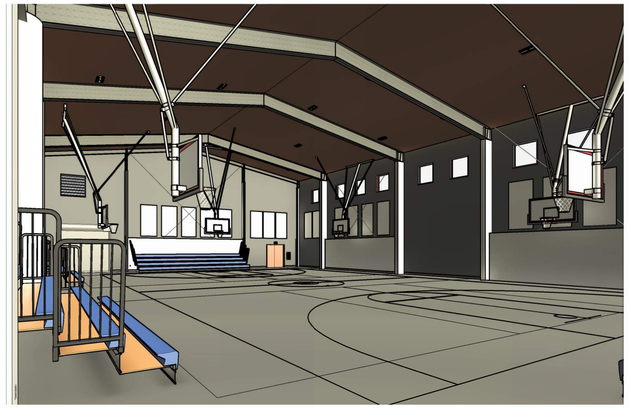
PROJECT INFORMATION

PROJECT NUMBER:	26-050-01
PROJECT LEAD:	SL
DRAWN BY:	IT

SHEET NO
S302

Autodesk Docs://25076 JTM Design Build TELA gym/26-050-01 Tulalip TELA Gym - R25.rvt
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SITE COPY

TULALIP TRIBES
BETTY J TAYLOR EARLY LEARNING ACADEMY GYM



7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET - PH 2

SHEET NO.	SHEET NAME
ARCHITECTURAL	
A0.02	GENERAL INFORMATION - PHASE 2
A1.11	OVERALL SITE PLAN - PHASE 2
A1.31	LIFE SAFETY PLAN & CODE ANALYSIS - PHASE 2
A2.11	FLOOR PLAN - PHASE 2
A2.13	FLOOR PLAN, CEILING PLAN & BUILDING SECTION - PHASE 2
A2.42	FINISH PLAN - LEVEL 1 - PHASE 2
A2.51	FF&E PLAN - PHASE 2
A3.21	INTERIOR ELEVATIONS - PHASE 2
A3.22	INTERIOR ELEVATIONS - PHASE 2
A5.20	INTERIOR DETAILS - PHASE 2
A6.31	DOOR SCHEDULE,LEGEND & WALL DETAILS - PHASE 2
STRUCTURAL	
S101	STRUCTURAL TITLE SHEET
S102	GENERAL NOTES
S103	GENERAL NOTES
S201	FOUNDATION PLAN – LEVEL 1
S301	TYPICAL CONCRETE SECTIONS & DETAILS
S302	TYPICAL CONCRETE SECTIONS & DETAILS
MECHANICAL	
M0.00	COVER SHEET
M0.01	CONSTRUCTION REQUIREMENTS
M0.03	PERMIT REQUIREMENTS
M0.10	EQUIPMENT SCHEDULLES
M1.01	1ST FLOOR HVAC PLAN & ELEVATION VIEWS
M1.02	ZONE PLAN, ROOF HVAC PLAN & COORDINATION PLAN
M5.01	MECHANICAL DETAILS
ELECTRICAL	
E-0.00	SYMBOLS & ABBREVIATIONS
E-0.01	SITE PLAN
E-1.01	ONE-LINE DIAGRAM
E-1.02	PANEL SCHEDULES
E-1.03	LIGHTING SCHEDULES AND ENERGY CODE
E-2.01	LEVEL 1 POWER & MECH PLAN
E-3.01	LEVEL 1 LIGHTING PLAN
PLUMBING	
P0.00	COVER SHEET
P0.01	CONSTRUCTION REQUIREMENTS
P0.10	FIXTURE & EQUIPMENT SCHEDULES
P2.00	UNDERGROUND PLUMBING PLAN
P2.01	1ST FLOOR PLUMBING PLAN
P2.R1	ROOF PUMBING PLAN
P5.01	PLUMBING DETAILS

PROJECT NOTES

1. THESE DRAWINGS AND THE ACCOMPANYING SPECIFICATIONS ARE THE PROPERTY OF TGB ARCHITECTS AND ARE NOT TO BE COPIED OR REUSED FOR ANY OTHER PROJECT.
2. DRAWINGS HAVE BEEN PREPARED FROM DATA AND DRAWINGS PROVIDED BY THE OWNER TO THE ARCHITECT. THE ARCHITECT HAS VERIFIED EXISTING CONDITIONS TO THE BEST OF THEIR ABILITY. THE ARCHITECT ISSUES NO WARRANTY, NEITHER EXPRESSED NOR IMPLIED, FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION INDICATED HEREIN.
3. NOTIFY THE ARCHITECT IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS OR WHERE DIMENSIONS VARY GREATER THAN 2" THAN THOSE SHOWN IN DRAWINGS.
4. CONTRACTOR TO COORDINATE REQUIREMENTS FOR INFECTION CONTROL DURING COURSE OF CONSTRUCTION WITH OWNER PRIOR TO COMMENCEMENT OF WORK.
5. PROVIDE 24" SQUARE ACCESS PANELS OR OF SIZES REQUIRED WHERE PLUMBING AND HEATING VALVES, WATER SWITCHES, OXYGEN PRESSURE SWITCHES, VENTILATION SPLITTER DAMPERS, ETC. ARE SHOWN ON PLUMBING AND MECHANICAL DRAWINGS. SUCH ACCESS PANELS TO BE INSTALLED IN THE FOLLOWING:A) GWBOARD CEILINGS) METAL STUD AND MASONRY PARTITIONS.
6. WALL ASSEMBLIES MUST BE MAINTAINED AT ALL RECESSED FIRE EXTINGUISHER CABINETS AND ALL RECESSED EQUIPMENT.
7. PROVIDE FIRE EXTINGUISHER CABINETS OF THE TYPE SPECIFIED. REFER TO FLOOR PLAN(S) FOR LOCATIONS.
8. ALL SHAFT PARTITIONS EXTEND FROM FLOOR SLAB TO UNDERSIDE OF SLAB ABOVE. EXPOSED BEAMS WITHIN SHAFTS ARE TO BE FIREPROOFED WITH 2-HOUR GWBOARD ENCLOSURE.
9. THE FIRE RATINGS OF ALL FIRE RATED PARTITIONS WILL BE STENCILED ABOVE CEILINGS, EACH SIDE OF PARTITIONS, BOTH SIDES OF CORRIDORS AND AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
10. ALL GWB IS 5/8" TYPE 'X' UNLESS NOTED OTHERWISE.
11. THE DRAWINGS AND THE SPECIFICATIONS ARE COMPLEMENTARY. WHATEVER IS INDICATED IN ONE IS ASSUMED TO BE INDICATED IN THE OTHER. NOTIFY THE ARCHITECT IN CASE OF DISCOVERED DISCREPANCIES.
12. ALL SUBSTRATES ARE TO BE SMOOTH PRIOR TO INSTALLATION OF FINISHES.
13. ALL WORK AND MATERIALS TO CONFORM TO FACILITY STANDARDS.

PROJECT TEAM

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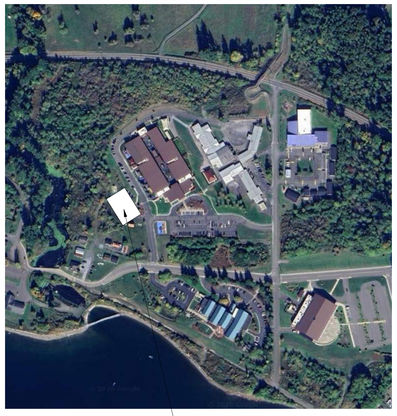
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ANDYB@GERBERENGINEERING.COM

VICINITY MAP



PROJECT LOCATION

NORTH

PROJECT INFORMATION

SCOPE OF WORK

NEW GYMNASIUM AT THE BETTY J TAYLOR EARLY LEARNING ACADEMY CAMPUS TO BE PERMITTED AND CONSTRUCTED IN PHASES.

SHELL SPACE BUILD OUT OF APPROX. 10,580 SF TO INCLUDE GYMNASIUM, CULTURAL/MULTI-USE ROOM AND SUPPORT SPACES. (CURRENT PERMIT, REFERRED AS PHASE 2)

SITEWORK AND BUILDING SHELL (PREVIOUSLY SUBMITTED SEPARATELY, REFERRED AS PHASE 1)

LEGAL DESCRIPTION

SW1/4 SEC22 T30N R4E

TAX PARCEL NUMBER

300422003007O0

AUTHORITY HAVING JURISDICTION (AHJ)

CITY OF TULALIP

APPLICABLE CODES

BUILDING CODE: IBC WITH WASHINGTON AMENDMENTS - 2015
EXISTING BUILDING CODE: IEBC WITH WASHINGTON AMENDMENTS - 2015
ENERGY CODE: IECC WITH WASHINGTON AMENDMENTS - 2015
FIRE CODE: INTERNATIONAL FIRE CODE (IFC) - 2015
MECHANICAL CODE: INTERNATIONAL MECHANICAL CODE (IMC) - 2015
PLUMBING CODE: UNIFORM PLUMBING CODE (UPC) - 2015
ELECTRICAL CODE: NATIONAL ELECTRICAL CODE (NEC) - 2015
ACCESSIBILITY CODE: ANSI A117.1 - 2009 (BY REFERENCE FROM IBC AND WSBC)

DEFERRED SUBMITTALS

1. FIRE SUPPRESSION SYSTEM
2. FIRE ALARM

RELATED PERMIT

1. GRADING PERMIT #GP 2026-035
2. PHASE 1 BUILDING PERMIT #BP 2026-026

ALTERNATES

NONE

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3626 REGISTERED ARCHITECT L. KENT GREGORY STATE OF WASHINGTON

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET - PH 2

GENERAL INFORMATION - PHASE 2

ISSUANCE

No.	Description	Date
3	PHASE 2 PERMIT SET	11/09/2026

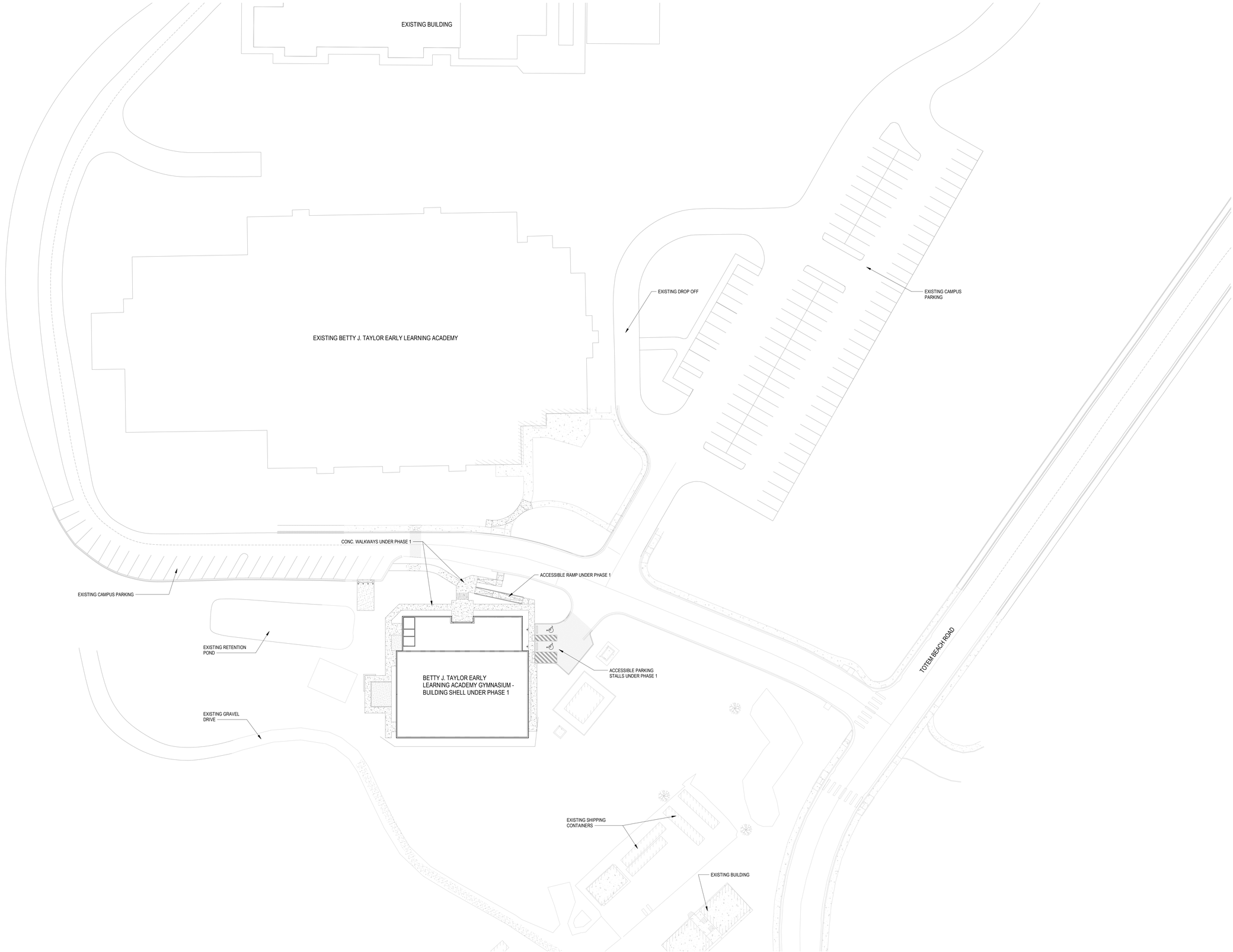
PROJECT INFORMATION

PROJECT NUMBER:	25076
PROJECT LEAD:	DC
DRAWN BY:	DC JO LK JY

SHEET NO

A0.02

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1 SITE - OVERALL PHASE 2
1" = 30'-0"

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Tulalip, WA 98271

PERMIT SET - PH 2

OVERALL SITE PLAN - PHASE 2

ISSUANCE

No.	Description	Date
3	PHASE 2 PERMIT SET	11/09/2026

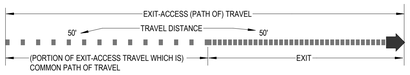
PROJECT INFORMATION

PROJECT NUMBER:	25076
PROJECT LEAD:	DC
DRAWN BY:	DC LK JY

SHEET NO
A1.11

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LIFE SAFETY PLAN SYMBOLS



NET SQUARE FOOTAGE AREAS (INDICATING USE, CLASSIFICATION, SQUARE FOOTAGE, AND OCCUPANT LOAD

INCIDENTAL OCCUPANCIES (INDICATING USE, CLASSIFICATION, SQUARE FOOTAGE, AND OCCUPANT LOAD

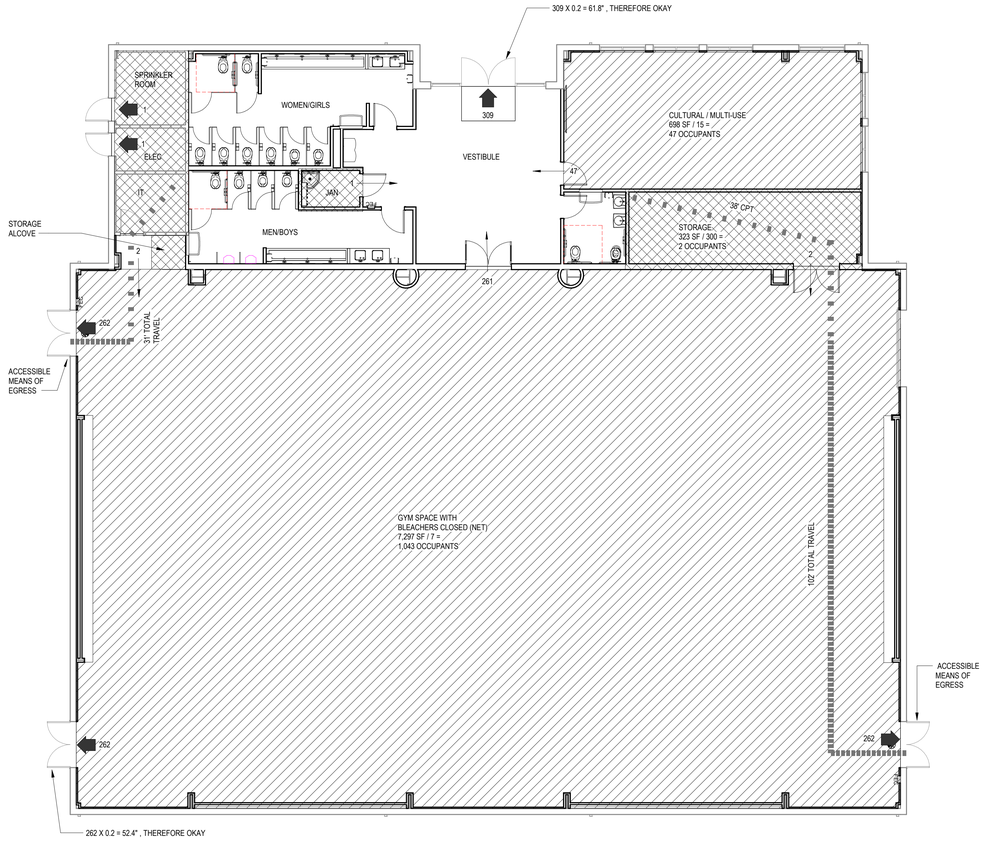
NON-RATED PARTITION

ILLUMINATED EXIT SIGN (WITH DIRECTIONAL ARROW WHERE NECESSARY)

FE
FIRE EXTINGUISHER

LIFE SAFETY PLAN NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR LOCATION AND QUANTITY OF SMOKE DETECTORS.



1 LIFE SAFETY PLAN - PHASE 2
1/8" = 1'-0"

CODE ANALYSIS - EDUCATIONAL & ASSEMBLY OCCUPANCY - PHASE 2 TI

	2015 WA STATE BUILDING CODE (REF IBC-2015)	
BUILDING ADDITION INFORMATION		
ZONING	PER ZONING MAP	CM (COMMUNITY MIXED USE)
MULTIPLE OCCUPANCY USE		GROUP E (EDUCATIONAL) AND GROUP A3 (ASSEMBLY)
CONSTRUCTION TYPE		V-B
NUMBER OF STORIES, HEIGHT		ONE STORY, BUILIDNG HEIGHT APPROX. 34'-0",
SPRINKLERED?		YES, COMPLYING WITH WSBC SECTION 903.3.1
BUILDING AREA		10,583 GROSS SF
PARKING		CAMPUS SHARED PARKING
OCCUPANCY AND USE	-------	---------
MULTIPLE OCCUPANCY USE	CHAPTER 3	---------
A-3 ASSEMBLY - MOST RESTRICTIVE (USED FOR CALCULATIONS)	SECTION 303	GROUP A - ASSEMBLY (FOR EVENT GATHERINGS LIKE HEALTH FAIR)
E (EDUCATIONAL)	SECTION 305	GROUP E - EDUCATIONAL (EXTENSION OF MAIN EDUCATIONAL BUILDING)
STORAGE AREAS	SECTION 311.1.1	PART OF THE MAIN OCCUPANCY - GROUP A
ALLOWABLE AREA	SECTION 506.2.1	Aa = 24,000 ALLOWABLE AREA PER TABLE 506.2 (E & A-3 OCCUPANCY / TYPE VB CONSTRUCTION) 10,500 SF (ACTUAL, THEREFORE OKAY)
MIXED OCCUPANCIES	SECTION 508.1	NON-SEPARATED OCCUPANCY SELECTED
NON-SEPARATED OCCUPANCIES	SECTION 508.3	MOST RESTRICTIVE OCCUPANCY GOVERNS APPLICATION OF CHAPTER 9
FIRE-RATING FOR BUILDING ELEMENTS, FIRE AND SMOKE PROTECTION FEATURES	CHAPTER 6 CHAPTER 7	SEE ALSO "MEANS OF EGRESS" SECTION BELOW
PRIMARY STRUCTURAL FRAME	TABLE 601	0 HOURS AT CONSTRUCTION TYPE V-B
INTERIOR BEARING WALLS	TABLE 601	0 HOURS AT CONSTRUCTION TYPE V-B
INTERIOR NON-BEARING WALLS AND PARTITIONS	TABLE 601	0 HOURS AT CONSTRUCTION TYPE V-B
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	TABLE 601	0 HOURS AT CONSTRUCTION TYPE V-B
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	TABLE 601	0 HOURS AT CONSTRUCTION TYPE V-B
EXIT ACCESS STAIRWAYS	SECTION 1019.3	NA
FIRE PROTECTION	CHAPTER 9	---------
GROUP A-3 AUTOMATIC SPRINKLER SYSTEM	SECTION 903	SYSTEM REQUIRED IF FIRE AREA > 12,000 SF OR OL > 300 OCCUPANT LOAD OVER 300, THEREFORE SPRINKLERS PROVIDED
MEANS OF EGRESS	CHAPTER 10	---------
OCCUPANT LOAD	SECTION 1004	SPACE SQ. FT.
EXERCISE ROOM USE	TABLE 1004.1.2	1 OCCUPANT PER 50 SF GROSS
OPEN GYM AREA USED FOR SPORTS/EXERCISE (LEAST STRICT CONFIGURATION)		7,297 SF — 7,300 SF / 50 = 146 OCC (NOT USED IN CALCULATIONS)
ASSEMBLY- CONCENTRATED AND UNCONCENTRATED USES	TABLE 1004.1.2	1 OCCUPANT PER 7 OR 15 SF NET
OPEN GYM AREA USED FOR GATHERING EVENTS		7,297 SF — 7,297 SF / 7 = 1,043 OCC (STRICTEST CONFIG.)
CULTURAL/MULTI-USE		698 SF — 698 SF / 15 = 47 OCC
ACCESSORY-STORAGE AREA AND JANITOR	TABLE 1004.1.2	
STORAGE		233 SF — 323 SF / 300 = 2 OCC
JANITOR		36 SF — 36 SF / 300 = 1 OCC
IT		71 SF — 71 SF / 300 = 1 OCC
STORAGE ALCOVE		20 SF — 20 SF / 300 = 1 OCC
DIRECT EXIT TO EXTERIOR / SPACES W/ NO OCCUPANT LOAD		
SPRINKLER (SEPARATE EXIT TO EXTERIOR)		88 SF — 1 OCC (SEPARATE EXIT)
ELECTRICAL (SEPARATE EXIT TO EXTERIOR)		52 SF — 1 OCC (SEPARATE EXIT)
VESTIBULE		521 SF — ZERO OCC
WOMEN/GIRLS		370 SF — ZERO OCC
MEN/BOYS		273 SF — ZERO OCC
TOTAL AREA		9,659 SF
PROJECT OCCUPANT LOAD	SEE L.S. PLAN	TOTAL OCCUPANT LOAD = 1,097 OCCUPANTS
NUMBER OF EXITS REQUIRED - MINIMUM	SECTION 1006.2.1.1	4 EXITS FOR OCCUPANT LOAD > 1,000; 4 PROVIDED SEE ALSO "ONE EXIT ALLOWED" SECTION BELOW
SPACES WHERE ONE EXIT IS ALLOWED	SECTION 1006.3.2 TABLE 1006.2.1 TABLE 1006.3.2 (2)	IN SPRINKLERED GROUP A SPACES WITH NO MORE THAN 49 OCCUPANTS AND NO MORE THAN 75 FT COMMON PATH OF TRAVEL
COMMON PATH OF TRAVEL (ALLOWABLE)	TABLE 1006.2.1	75 FT IN GROUP A, WHEN SPRINKLERED
ARRANGEMENT OF EXITS OR EXIT ACCESS DOORS	SECTION 1007.1.1	PLACED AT A DISTANCE FROM ONE ANOTHER NOT LESS THAN ONE-THIRD THE DISTANCE OF THE MAXIMUM DIAGONAL OF THE SPACE SERVED, IN A SPRINKLERED BUILDING
EXIT ACCESS TRAVEL DISTANCE (ALLOWABLE)	SECTION 1017 TABLE 1017.2	250 FT IN GROUP A, WHEN SPRINKLERED
CORRIDOR CONSTRUCTION	TABLE 1020.1	UNRATED IN OCCUPANCY GROUP A, WHEN SPRINKLERED, NA (NONE)
CORRIDOR (ALLOWABLE) DEAD END LENGTH IN ROOMS OR SPACES REQUIRING MORE THAN 1 EXIT OR EXIT-ACCESS DOOR	SECTION 1020.4	20 FT IN OCCUPANCY GROUP A, WHEN SPRINKLERED
DOOR SWING	SECTION 1010.1.2.1	DOOR MUST SWING IN THE DIRECTION OF EGRESS TRAVEL WHEN SERVING A SPACE WITH AN OCCUPANT LOAD OF 50 OR MORE
PANIC HARDWARE	SECTION 1010.1.9.3 SECTION 1010.1.10	REQUIRED WHERE SERVING A GROUP A OCCUPANCY WITH AN OCCUPANT LOAD OF 50 OR MORE, EXCEPT AT MAIN EXTERIOR EXIT IF REPLACED BY READILY-DISTINGUISHABLE LOCKING HARDWARE AND RELATED SIGNAGE.
PLUMBING FIXTURES REQUIRED	CHAPTER 29	---------
WATER CLOSETS, URINALS	TABLE 2902.1	IN A-3 OCCUPANCY: MALE - 1 PER 125; FEMALE - 1 PER 65 548 / 125 = 5 REQUIRED FOR MALE, 5 WC + 2 URINALS PROVIDED 548 / 65 = 9 REQUIRED FOR FEMALE, 9 WC PROVIDED
LAVATORIES	TABLE 2902.1	IN A-3 OCCUPANCY: 1 PER 200 OCCUPANTS 3 REQUIRED FOR MALE, 6 PROVIDED 3 REQUIRED FOR FEMALE, 7 PROVIDED
DRINKING FOUNTAINS	SECTION 2902.5	IN A-3 OCCUPANCY: 1 PER FIRST 150, THEN 1 PER 500 3 TOTAL PROVIDED (HIGH & LOW + BOTTLE FILLING STATION)
SERVICE SINKS	TABLE 2902.1	1 REQUIRED, 1 PROVIDED

* GROUP E OCCUPANCIES: THE NUMBER OF OCCUPANTS FOR MIN PLUMBING FIXTURES = 10,500 SF (GROSS BUILDING AREA) / 100 SF PER STUDENT = 105 OCC. GROUP A-3 OCCUPANCY IS THE MOST STRINGENT, THEREFORE USED FOR PLUMBING CALCULATIONS
* 2902.5.4.2 SUBSTITUTION - BOTTLE FILLING STATIONS SHALL BE PERMITTED TO BE SUBSTITUTED FOR UP TO 50% OF REQUIRED DRINKING FOUNTAINS

ENERGY CODE INFORMATION:

SECTION C406 ADDITIONAL EFFICIENCY PACKAGE OPTIONS SELECTED

1) REDUCED LIGHTING POWER IN ACCORDANCE WITH SECTION C406.3
2) HIGH-EFFICIENCY SERVICE WATER HEATING IN ACCORDANCE WITH SECTION C406.7

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3626 REGISTERED ARCHITECT L. KENT GREGORY STATE OF WASHINGTON

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET - PH 2

LIFE SAFETY PLAN & CODE ANALYSIS - PHASE 2

ISSUANCE

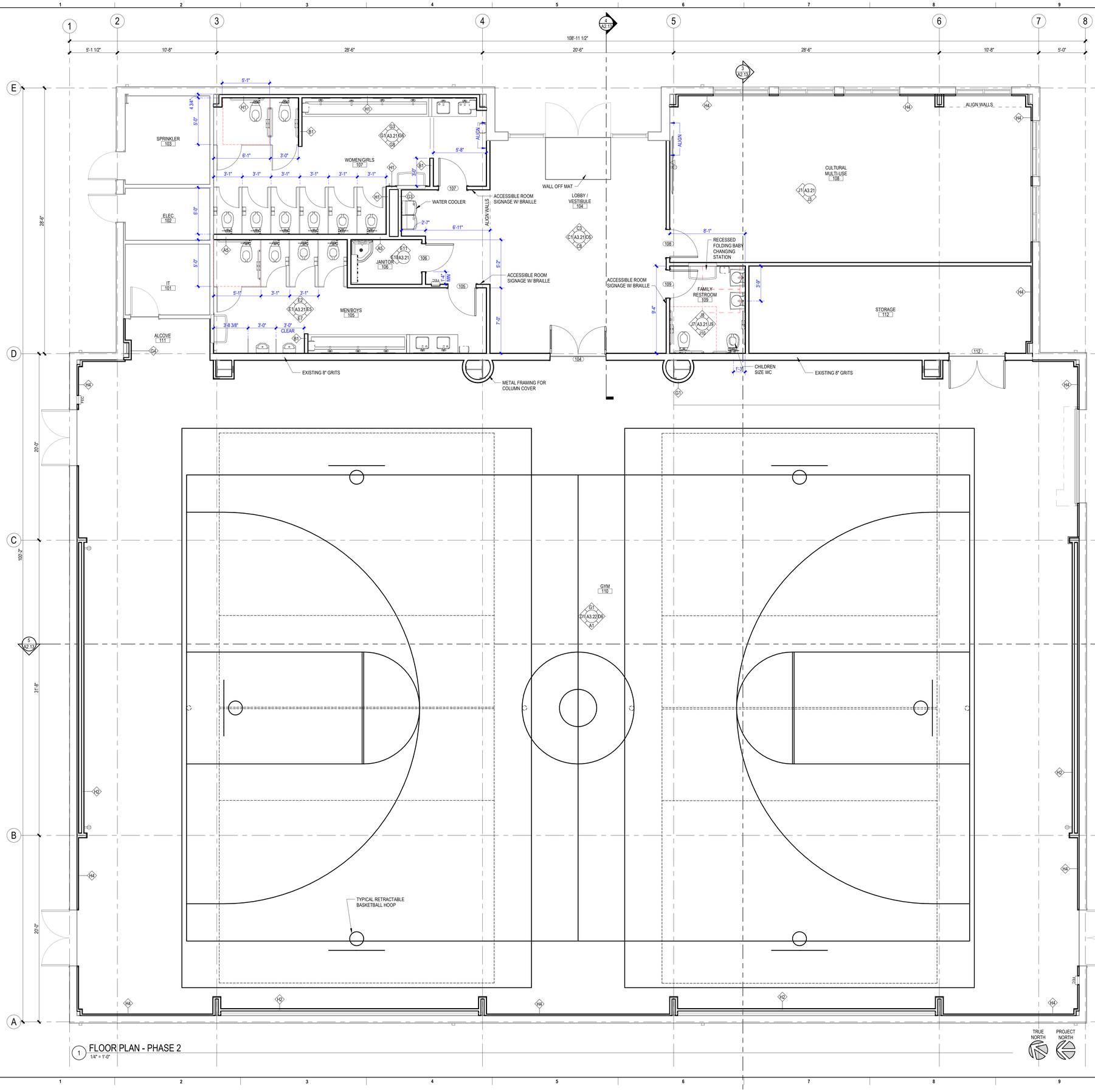
No.	Description	Date
3	PHASE 2 PERMIT SET	11/09/2026

PROJECT INFORMATION

PROJECT NUMBER:	25076
PROJECT LEAD:	DC
DRAWN BY:	DC LK JY

SHEET NO
A1.31

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1 FLOOR PLAN - PHASE 2
1/4" = 1'-0"

FLOOR PLAN NOTES

1. FLOOR PLANS MAY NOT INCLUDE TOTAL OF ALL REQUIRED WORK. REFER TO CONSULTANT DRAWINGS FOR POTENTIAL WORK IN OTHER AREAS.
2. SECURE NEW WALLS TO SUBSTRATE WITH FASTENERS LOCATED 2' FROM EACH END AND SPACED A MAXIMUM OF 16" O.C.
3. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR ANY CABINETS, EQUIPMENT, HANDRAILS, OR WHERE REQUIRED.
4. LOCATE ALL NEW DOORS 6" FROM HINGE SIDE OF ADJACENT WALL UNLESS NOTED OTHERWISE.
5. ALIGN NEW WALLS WITH ADJACENT EXISTING WHERE APPLICABLE FOR A SMOOTH, CONTINUOUS FINISH.
6. ADD COLUMN FURRING OR METAL FRAMING & (1) LAYER OF 5/8" GWB TO WRAP COLUMN TIGHT WITH GWB AGAINST COLUMN FLANGE. EXTENDED TO 6" ABOVE CEILING AT ALL EXPOSED COLUMNS UNLESS NOTED OTHERWISE.
7. ALL PARTITIONS SCHEDULED TO RECEIVE ACOUSTICAL INSULATION SHALL BE CONSIDERED ACOUSTICAL PARTITIONS AND SHALL BE CONSTRUCTED AND CAULKED AS SPECIFIED.
8. PARTITIONS ARE TYPE A1 UNLESS NOTED OTHERWISE.

FLOOR PLAN SYMBOLS

ROOM NAME 101 — ROOM NAME WITH NUMBER
1 — PARTITION TYPE TAG - SEE PARTITION TYPE LEGEND
NON-RATED PARTITION
101 — DOOR TAG - SEE DOOR SCHEDULE
1 — WINDOW TAG - SEE WINDOW SCHEDULE
00 / A7.60 / 007 / 00 — ELEVATION VIEW LOCATION REFERENCE; SHEET WHERE VIEW IS LOCATED

KEYNOTES

KEY	DESCRIPTION

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Tulalip, WA 98271

PERMIT SET - PH 2

FLOOR PLAN - PHASE 2

ISSUANCE

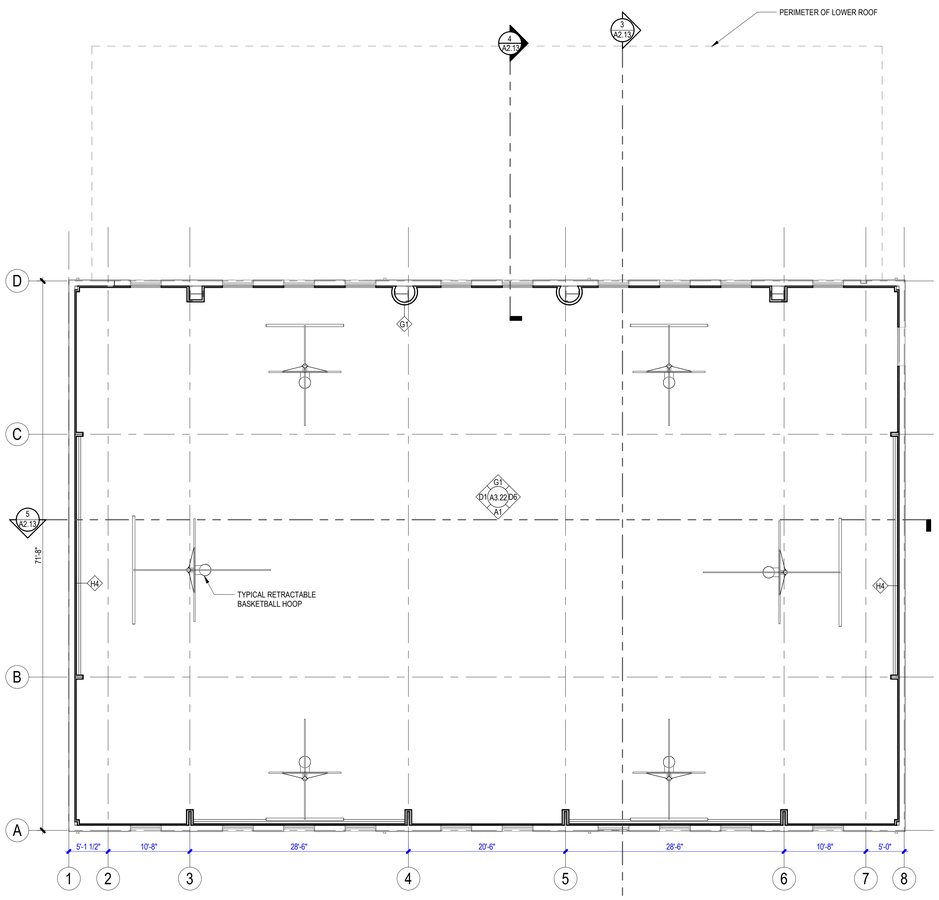
No.	Description	Date
3	PHASE 2 PERMIT SET	11/09/2026

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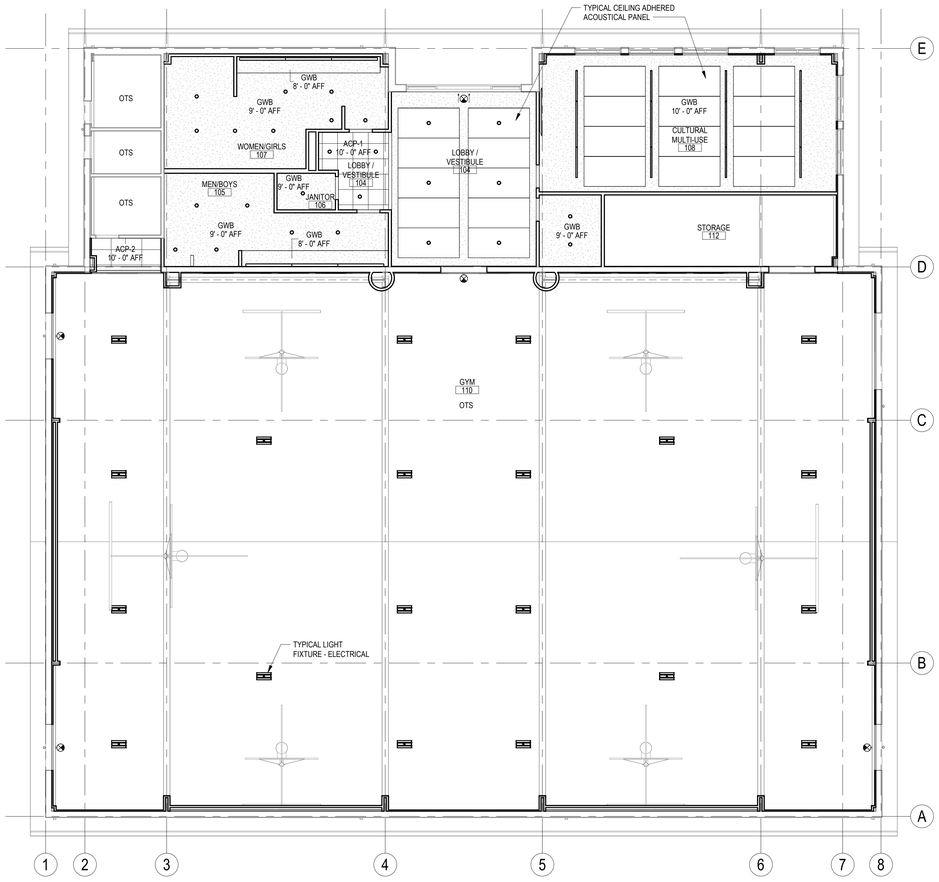
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DRAWN BY:	DC LK JY

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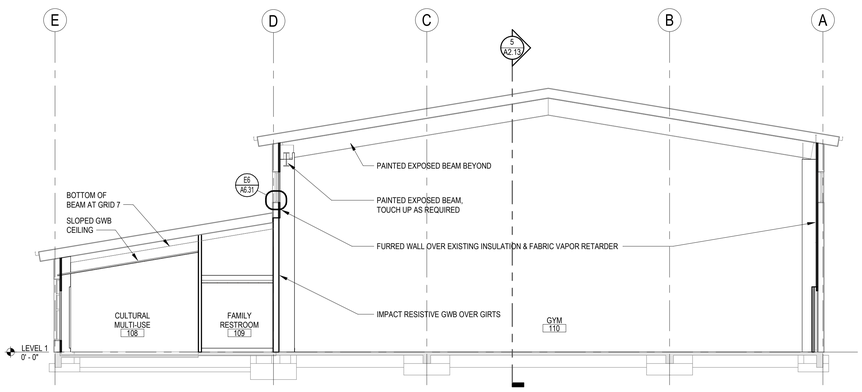
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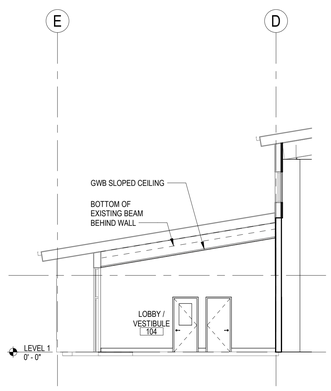
1 FLOOR PLAN - LEVEL 1 PHASE 2 - HIGH
1/8" = 1'-0"



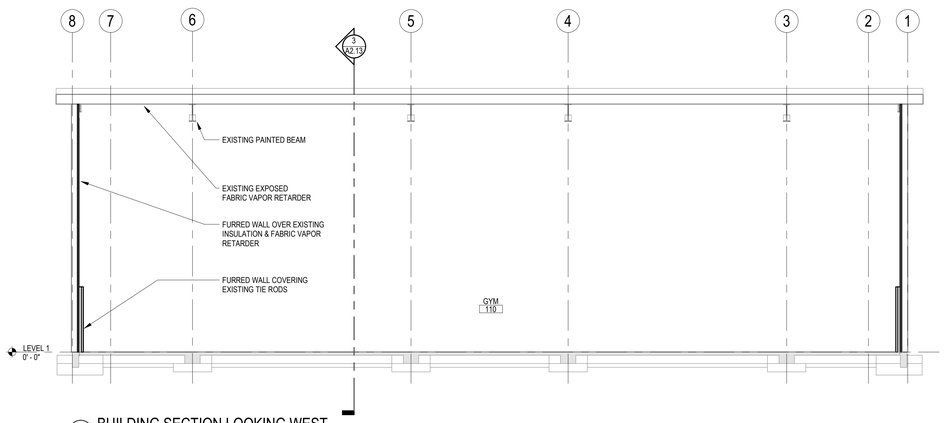
2 CEILING PLAN - PHASE 2
1/8" = 1'-0"



3 BUILDING SECTION LOOKING SOUTH
1/8" = 1'-0"



4 SECTION @ VESTIBULE
1/8" = 1'-0"



5 BUILDING SECTION LOOKING WEST
1/8" = 1'-0"

FLOOR PLAN SYMBOLS

- ROOM NAME 101 — ROOM NAME WITH NUMBER
- 1 — PARTITION TYPE TAG - SEE PARTITION TYPE LEGEND
- NON-RATED PARTITION
- 101 — DOOR TAG - SEE DOOR SCHEDULE
- 1 — WINDOW TAG - SEE WINDOW SCHEDULE
- 00 / 00 A7.50 / 00 — ELEVATION VIEW LOCATION REFERENCE; SHEET WHERE VIEW IS LOCATED

FLOOR PLAN NOTES

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3. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR ANY CABINETS, EQUIPMENT, HANDRAILS, OR WHERE REQUIRED.
4. LOCATE ALL NEW DOORS 6" FROM HINGE SIDE OF ADJACENT WALL UNLESS NOTED OTHERWISE.
5. ALIGN NEW WALLS WITH ADJACENT EXISTING WHERE APPLICABLE FOR A SMOOTH, CONTINUOUS FINISH.
6. ADD COLUMN FURRING OR METAL FRAMING & (1) LAYER OF 5/8" GWB TO WRAP COLUMN TIGHT WITH GWB AGAINST COLUMN FLANGE. EXTENDED TO 6" ABOVE CEILING AT ALL EXPOSED COLUMNS UNLESS NOTED OTHERWISE.
7. ALL PARTITIONS SCHEDULED TO RECEIVE ACOUSTICAL INSULATION SHALL BE CONSIDERED ACOUSTICAL PARTITIONS AND SHALL BE CONSTRUCTED AND CAULKED AS SPECIFIED.
8. PARTITIONS ARE TYPE A1 UNLESS NOTED OTHERWISE.

REFLECTED CEILING PLAN NOTES

1. REFER TO MEP PLANS IN CONJUNCTION WITH THIS SHEET. WHERE CONFLICTS AT LIGHT AND AIR DEVICE LOCATIONS EXIST BETWEEN MEP AND ARCHITECTURAL, REFER TO ARCHITECTURAL.
2. REFER TO LIFE SAFETY DRAWINGS OR MEP DRAWINGS FOR EXIT LIGHTS, SMOKE DETECTORS, AND DIFFUSERS.
3. FURNISH HEAVY-DUTY CEILING GRID (SUSPENSION SYSTEM) IN ACCORDANCE WITH ASTM C-635 AND INSTALL IN ACCORDANCE WITH ASTM C-580.
4. REPAIR AND REPLACE ANY CEILING GRID OR TILES DAMAGED DUE TO CONSTRUCTION TO MAINTAIN A NEW FINISHED LOOK.
5. NEW CEILING AND SOFFIT HEIGHTS ARE TO BOTTOM OF GRID OR BOTTOM OF FINISHED GWB AND ARE NOTED ON RCP.
6. CEILING GRIDS ARE DRAWN CENTERED IN THE ROOM AND SHALL BE INSTALLED CENTERED WITHIN THE ROOM AS SHOWN.
7. CEILING-MOUNTED LIGHTS, SPEAKERS, DIFFUSERS, GRILLES, AIR TERMINALS, SPRINKLER HEADS, AND SIMILAR ARE DRAWN CENTERED IN CEILING PANELS OR CENTERED IN ROOM. THESE DEVICES SHALL BE INSTALLED CENTERED WITHIN THE CEILING PANELS AND WITHIN THE ROOMS AS SHOWN.
8. REFER TO PLANS AND DETAILS FOR SOFFIT HEIGHTS, WIDTHS, DEPTHS, AND LOCATIONS.
9. ADD WOOD BLOCKING BETWEEN ROOF TRUSS @ MINIMUM 16" O.C. TO SUPPORT SOFFIT FRAMING.
10. NOT ALL REQUIRED ACCESS PANELS ARE SHOWN AND ARE TO BE PROVIDED AS REQUIRED. PAINT TO MATCH ADJACENT CEILING.
11. IN CEILINGS GREATER THAN 2500 SF, PROVIDE 2" WIDE MINIMUM CEILING JOINT AS INDICATED AND DETAILED ON CEILING PLANS.
12. PROVIDE CISCA-COMPLIANT SEISMIC BRACING AND COMPRESSION STRUTS ONLY IN CEILINGS OF 1000 SF OR GREATER (SEE ASCE 7-13.5.6.2.2 SECTION C)
13. IN CEILINGS WITHOUT LATERAL BRACING, PROVIDE FLEXIBLE CONNECTION FROM SPRINKLER BRANCH LINES TO SPRINKLER HEADS, IN LIEU OF OVERSIZED SPRINKLER OPENINGS IN CEILING.
14. SEE INTERIOR ELEVATION SHEETS FOR EXIT SIGN LOCATION

TYPICAL CEILING SYMBOLS

- SUPPLY (AIR) DIFFUSER, RETURN AIR GRILLE
- CEILING-MOUNTED OR OVERHEAD-MOUNTED LIGHTING
- PENDANT LIGHTING
- VANITY LIGHT
- UNDERCABINET LIGHT
- RECESSED DOWN LIGHTING
- RECESSED WALL-WASHING LIGHTING
- ILLUMINATED EXIT SIGNS

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TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET - PH 2

FLOOR PLAN, CEILING PLAN & BUILDING SECTION - PHASE 2

ISSUANCE

No.	Description	Date
3	PHASE 2 PERMIT SET	11/09/2026

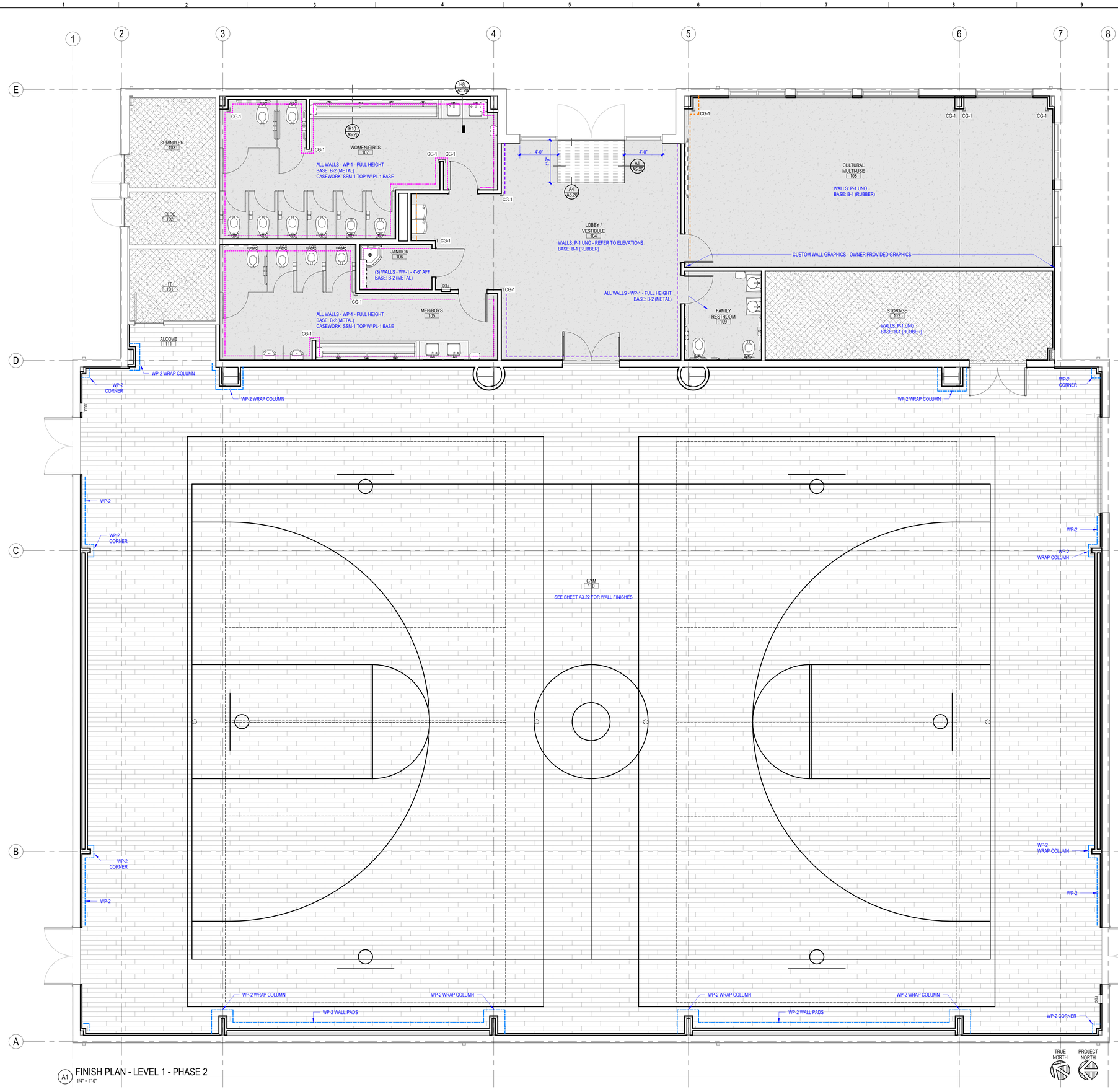
PROJECT INFORMATION

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PROJECT LEAD:	DC
DRAWN BY:	DC LK JY

SHEET NO

A2.13

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A1 FINISH PLAN - LEVEL 1 - PHASE 2
1/4" = 1'-0"

FINISH NOTES

1. ALL EXPOSED WALL SURFACES SHALL BE FINISHED.
2. FINISHES TO BE INDICATED ON FINISH PLAN, ROOM FINISH SCHEDULE, AND INTERIOR ELEVATIONS. REFER TO FINISH LEGEND FOR FINISH SELECTIONS.
3. FINISHES TO MEET FLAME SPREAD AND SMOKE DEVELOPED RATINGS PER CODE.
4. ALL MATERIALS TO BE INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTION/RECOMMENDATIONS AND INDUSTRY STANDARDS.
5. ALL FINISHES TO BE PATCHED AND REPAIRED SEAMLESSLY. ENSURE ALIGNMENT OF FINISHED SIDE WHERE TWO DIFFERENT WALL TYPES INTERSECT. NOTIFY ARCHITECT BEFORE PROCEEDING IF ALIGNMENT IS NOT POSSIBLE.
6. PATCH FINISHES AT CORRIDORS TO PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING.
7. ALL WALL / CEILING MOUNTED FIRE EXTINGUISHER CABINETS, ELECTRICAL PANELS, HVAC GRILLES, ACCESS PANELS, ETC. TO BE PAINTED TO MATCH ADJACENT WALL / CEILING COLOR.
8. PROVIDE COLOR MATCHED CAULK (MATCHING ADJACENT PLASTIC LAMINATE / SOLID SURFACE) AT CASEWORK. CONTRACTOR TO SUBMIT SAMPLES FOR APPROVAL TO ARCHITECT.
9. IF ANY ITEMS ARE IDENTIFIED REQUIRING FINISH/COLOR SELECTION NOT ADDRESSED IN THESE DRAWINGS, CONTRACTOR TO NOTIFY ARCHITECT IMMEDIATELY & PROVIDE SAMPLES OF FINISH / COLOR OPTIONS FOR SELECTION, CLEARLY IDENTIFYING ANY ABOVE BASE BID.
10. ALL FLOORING TRANSITIONS TO COMPLY WITH ADA REQUIREMENTS.
11. FLOORING SHALL EXTEND UNDERNEATH ALL OPEN COUNTERTOP WORK SURFACES.
12. ALL FLOORING TRANSITIONS BETWEEN ROOMS TO BE CENTERED UNDER DOOR IN CLOSED POSITION U.O.N. TRANSITION STRIPS SHALL NOT BE VISIBLE FROM PUBLIC CORRIDOR SIDE.
13. CONTRACTOR TO BE RESPONSIBLE FOR TESTING SUBSTRATES FOR APPROPRIATE MOISTURE LEVELS PRIOR TO INSTALLING MATERIALS.
14. ALL OUTSIDE CORNERS TO RECEIVE CORNER GUARDS.
15. FINISH ALL VERTICAL & HORIZONTAL SURFACES OF SOFFIT WITH SPECIFIED FINISH.

FINISH SYMBOLS

FINISH ABBREVIATIONS USED ON THIS AND OTHER FINISH SHEETS INCLUDE THE FOLLOWING:

ACP	ACOUSTICAL CEILING PANELS
B	BASE
CC	CUBICLE CURTAIN
CG	CORNER GUARD
CONC	CONCRETE
CPT	CARPET
FAB	FABRIC
GL	GLAZING OR GLASS
MTL	METAL
PT	PAINT
RS	RESILIENT SHEET
RT	RESILIENT TILE
SS	STAINLESS STEEL
SSM	SOLID SURFACING MATERIAL
T	TILE
PL/PLAM	PLASTIC LAMINATE
WC	WALL COVERING
WD	WOOD
WP	WALL PROTECTION

CONC-1 (POLISHED)
CONC-2 (SEALED)
CPT-1 - WALK-OFF
RT-1
NOT IN SCOPE

FLOOR PATTERN DIRECTION
CORNER GUARD
WD-1
WP-1
WP-2 - WALL PADS
P-2

MATERIAL FINISH LEGEND

NAME	MANUFACTURER	MATERIAL STYLE/SERIES	COLOR / TEXTURE	SIZE
ACOUSTIC CEILING PANEL				
ACP-1	TECTUM - ARMSTRONG CEILING PANEL		PAINT TO MATCH WALL	4'-0" X 8'-0"
ACOUSTICAL WALL PANEL				
AWP-1	TECTUM - ARMSTRONG WALL PANEL	C-40 DIRECT ATTACH MOUNTING METHOD - INCLUDES BEVELED-EDGE WALL LAID ON 1 1/2" FURRING STRIPS WITH 12 1/2" BATT INSULATION BETWEEN THE FURRING	WHITE	4'-0" X 8'-0"
AWP-2	TECTUM - ARMSTRONG WALL PANEL	C-40 DIRECT ATTACH MOUNTING METHOD - INCLUDES BEVELED-EDGE WALL LAID ON 1 1/2" FURRING STRIPS WITH 12 1/2" BATT INSULATION BETWEEN THE FURRING	WHITE	4'-0" X 6'-0"
BASE				
B-1	JOHNSONITE/TARKETT	RUBBER BASE	PEPPERCORN	6"H X ROLL LENGTH
B-2	SCHLUTER	DESIGNLINE BASE	SATIN ALUMINUM	6" H
CARPET				
CPT-1	CS SPECIALTIES	WALK-OFF MAT - PEDIMAT M1 - NO FRAME	CARPET INSERTS - COLOR: SLATE, FRAME FINISH ANODIZED	SEE FINISH PLAN FOR DIMENSIONS
CONCRETE				
CONC-1	POLISHED CONCRETE		SALT & PEPPER FINISH	
CONC-2	SEALED CONCRETE			
CORNER GUARD				
CG-1	CS GROUP	CO-8	STAINLESS STEEL	8' HEIGHT X 2" LEG
FILM				
F-1	3M	FASARA		
PAINT				
P-1	SHERWIN WILLIAMS	GENERAL WALL PAINT	OC-46 HALO	
P-2	SHERWIN WILLIAMS	ACCENT PAINT	CUSTOM TO MATCH PANTONE	
P-3	SHERWIN WILLIAMS	DOOR FRAMES & METAL	SW7020 - BLACK FOX	
P-4	SHERWIN WILLIAMS	GENERAL WALL PAINT - GYM WALLS	SW7015 - REPOSE GRAY	
PLASTIC LAMINATE				
PL-1	WILSONART	PLASTIC LAMINATE	PENCIL WOOD - 7747	
RESILIENT SHEET				
RS-1	GERFLOR	TARAFLEX SPORT M PLUS	6375 OAK	
SOLID SURFACING MATERIAL				
SSM-1	CORIAN		EVEREST	
WALL COVERING				
WC-1	WOLF GORDON - CUSTOM	GRAPHICS PROVIDED BY TELA (CLIENT)	CUSTOM	
WALL PROTECTION				
WP-1	IPC	RIGID VINYL SHEET	VELVET TEXTURE - CLAM SHELL 0154	
WP-2	DRAPER INC	ECOVISION WALL PAD	BLACK	8'-0"H - SEE PLAN FOR LOCATIONS
WOOD				
WD-1	WOOD WALL PANELS	MILLWORK - 1 X 6 TIGHT KNOT CEDAR	FINISH: CLEAR (CONFIRM WITH ARCHITECT'S SAMPLE)	1" X 6"H X LENGTHS AS PROVIDED

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3626 REGISTERED ARCHITECT L. KENT GREGORY STATE OF WASHINGTON

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET - PH 2

FINISH PLAN - LEVEL 1 - PHASE 2

ISSUANCE

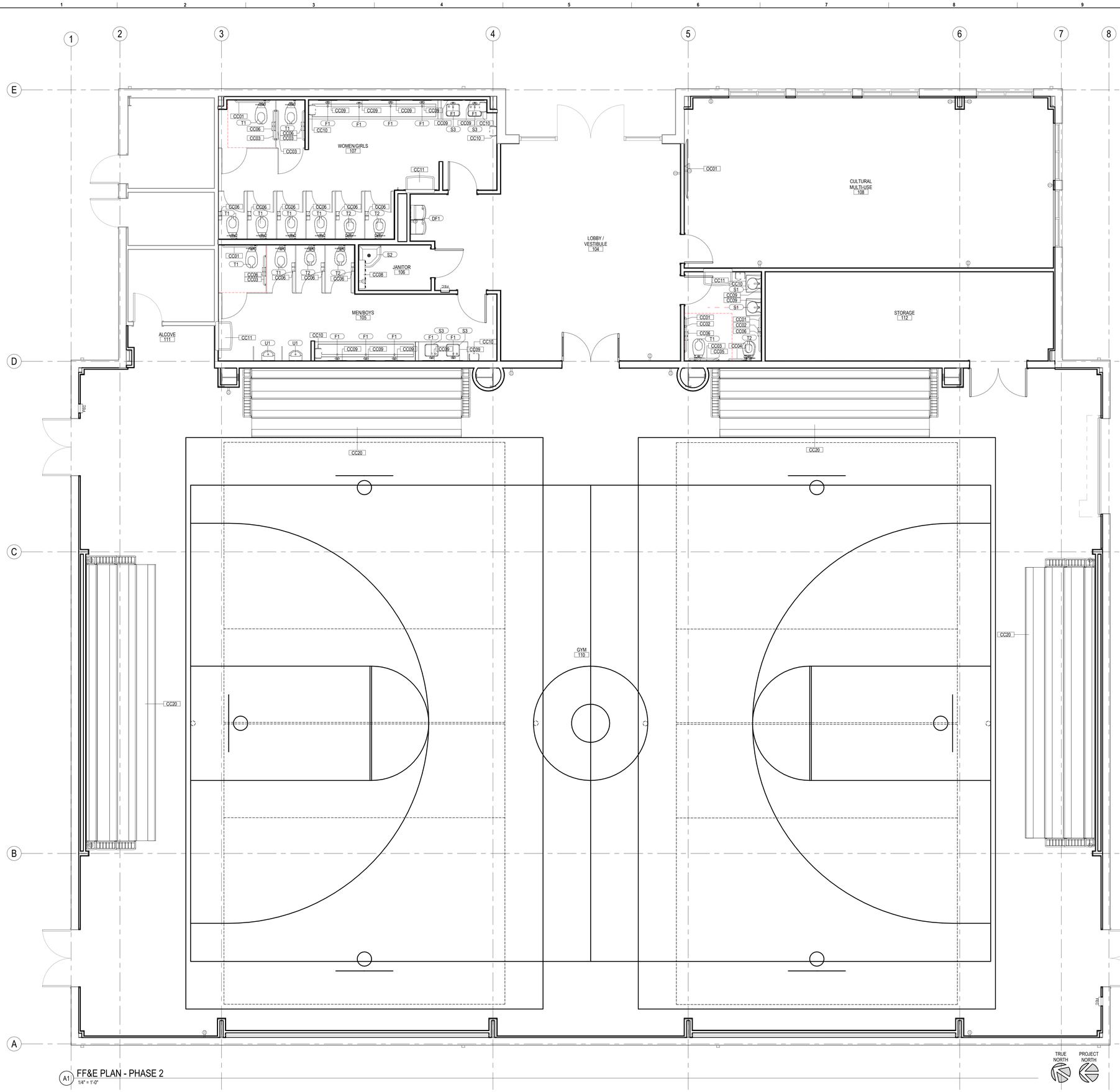
No.	Description	Date
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PROJECT INFORMATION

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PROJECT LEAD:	DC
DRAWN BY:	JO

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A1 FF&E PLAN - PHASE 2
1/4" = 1'-0"

TRUE NORTH
PROJECT NORTH
NORTH

FF&E NOTES

1. SEE FURNITURE AND EQUIPMENT SCHEDULES FOR CONTRACTOR RESPONSIBILITIES.
2. SEE INTERIOR ELEVATIONS AND ACCESSORY MOUNTING HEIGHTS FOR ADDITIONAL INFORMATION PRIOR TO INSTALL.
3. CONTRACTOR TO PROVIDE IN-WALL BLOCKING AS REQUIRED FOR EQUIPMENT.
4. CONTRACTOR TO VERIFY EQUIPMENT QUANTITIES SHOWN ON SCHEDULE WITH PLAN AND NOTIFY ARCHITECT/OWNER OF ANY DISCREPANCIES PRIOR TO PLACING EQUIPMENT ORDER.
5. ALL FURNITURE TO BE OWNER PROVIDED AND OWNER INSTALLED UNLESS OTHERWISE NOTED.

FF&E SCHEDULE

FF&E NO.	DESCRIPTION / BASIS OF DESIGN	COORDINATION REQUIRED: ELEC	BLOCKING
CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
CC01	GRAB BAR - BOBRICK - B6806 - 42 - GRAB BAR		•
CC02	GRAB BAR - BOBRICK - B6806 - 18" VERTICAL		•
CC03	GRAB BAR - BOBRICK - B6806 - 36 - GRAB BAR		•
CC04	GRAB BAR - BOBRICK - 5806 - 18" - HORIZONTAL		•
CC05	SURFACE MOUNTED SEAT DISPENSER- BOBRICK - B221		
CC06	TOILET PAPER DISPENSER - BOBRICK - B540		•
CC08	UTILITY RACK - BOBRICK - B224		•
CC09	MIRROR - BOBRICK - B165 - 24 X 36 MIRROR		•
CC10	ENMOTION® IMPULSE® 8" 1-ROLL AUTOMATED TOUCHLESS PAPER TOWEL DISPENSER BY GP PRO (GEORGIA-PACIFIC), BLACK, 1 DISPENSER		•
CC11	BABY CHANGING STATION - BOBRICK - KB310-SSWM HORIZONTAL STAINLESS STEEL		•
CC20	TELESCOPIC BLEACHERS - BOD - MAXAM WALL ATTACHED GYM BLEACHERS		•
OWNER FURNISHED / CONTRACTOR INSTALLED			
OC01	85" LED WALL MOUNTED MONITOR	•	

PLUMBING FIXTURE SCHEDULE

TYPE	SPECIFICATION
DF1	DRINKING FOUNTAIN: BOD - ELKAY BI-LEVEL ADA - LZSTL8WSBPRO
F1	FAUCET: BOD - TOUCHLESS, KOHLER - TRIM - K-R32930
S1	SINK: BOD - KOHLER - BRENHAM - K-1999
S2	MOP SINK: KOHLER - WHITBEY - K-6710
S3	CHILDRENS SINK: CORIAN 8252 - WHITE
T1	TYPICAL TOILET - FLOOR MOUNTED WITH FLUSHOMETER (AUTOMATIC)
T2	<varies>
U1	URINAL: KOHLER - FRESHMAN - K-4989 - WITH FLUSHOMETER (AUTOMATIC)

FF&E SYMBOLS & ABBREVIATIONS

THESE ABBREVIATIONS ARE FOR USE IN FF&E TAGS ONLY. SEE SPEC SECTION 1.02 FOR MORE INFORMATION ON FURNISH AND INSTALL RESPONSIBILITIES AND DEFINITIONS.

OC FURNISHED BY OWNER / INSTALLED BY CONTRACTOR
VC FURNISHED BY VENDOR / INSTALLED BY CONTRACTOR
OO FURNISHED / INSTALLED BY OWNER
CC FURNISHED / INSTALLED BY CONTRACTOR
VV FURNISHED / INSTALLED BY VENDOR

OC01 FURNITURE & EQUIPMENT TAG

AO CR CR/AD AUTO-DOOR OPENER, CARD READER, COMBINATION (PUSH PLATE)

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PERMIT SET - PH 2

FF&E PLAN - PHASE 2

ISSUANCE

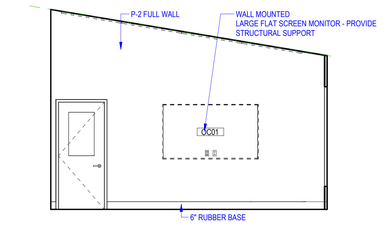
No.	Description	Date
3	PHASE 2 PERMIT SET	11/09/2026

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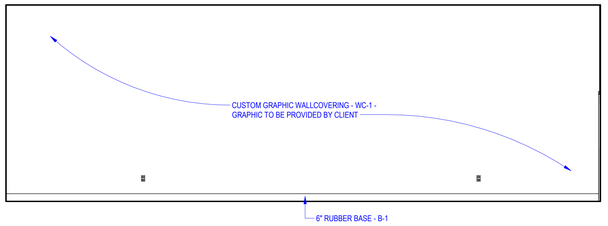
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PROJECT LEAD:	DC
DRAWN BY:	JO JY

SHEET NO
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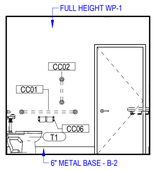
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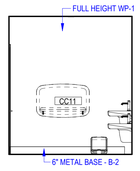
J1 108 CULTURAL MULTI-USE - N
1/4" = 1'-0"



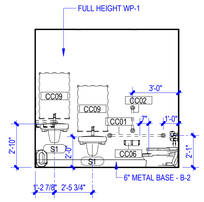
J3 108 CULTURAL MULTI-USE - W
1/4" = 1'-0"



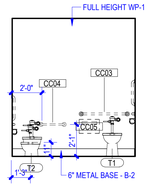
J7 109 FAMILY RESTROOM - N
1/4" = 1'-0"



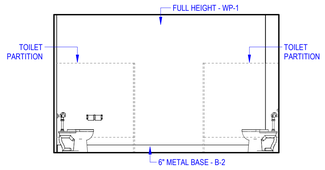
J8 109 FAMILY RESTROOM - E
1/4" = 1'-0"



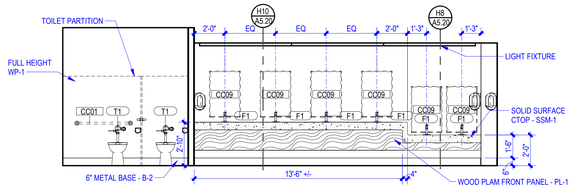
J9 109 FAMILY RESTROOM - S
1/4" = 1'-0"



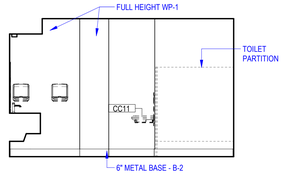
J10 109 FAMILY RESTROOM - W
1/4" = 1'-0"



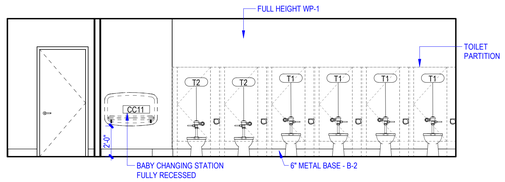
G1 107 WOMEN / GIRLS RESTROOM - N
1/4" = 1'-0"



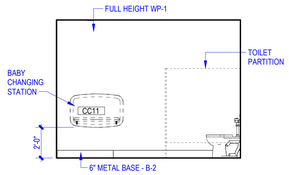
G3 107 WOMEN / GIRLS RESTROOM - E
1/4" = 1'-0"



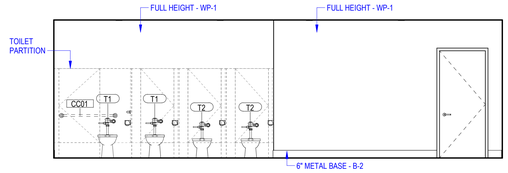
G6 107 WOMEN / GIRLS RESTROOM - S
1/4" = 1'-0"



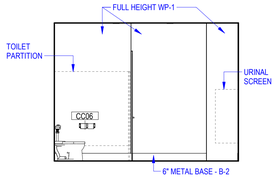
G8 107 WOMEN / GIRLS RESTROOM - W
1/4" = 1'-0"



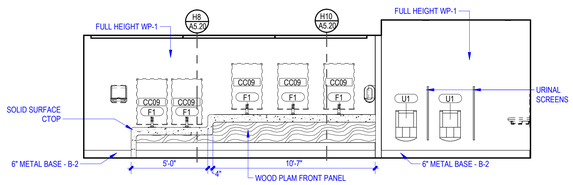
E1 105 MEN / BOYS RESTROOM - N
1/4" = 1'-0"



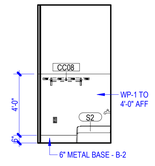
E2 105 MEN / BOYS RESTROOM - E
1/4" = 1'-0"



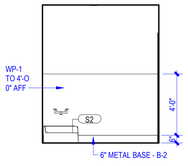
E5 105 MEN / BOYS RESTROOM - S
1/4" = 1'-0"



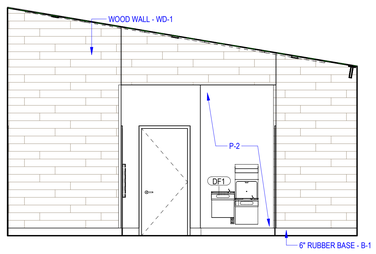
E7 105 MEN / BOYS RESTROOM - W
1/4" = 1'-0"



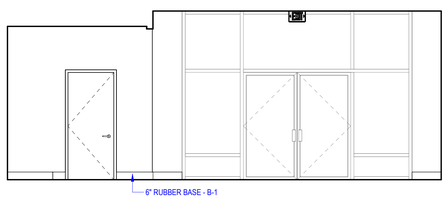
E10 106 JANITOR - N
1/4" = 1'-0"



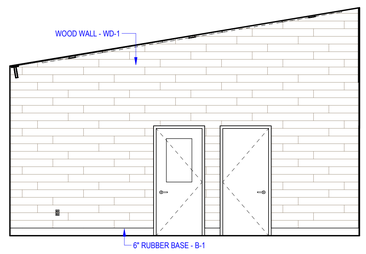
E11 106 JANITOR - E
1/4" = 1'-0"



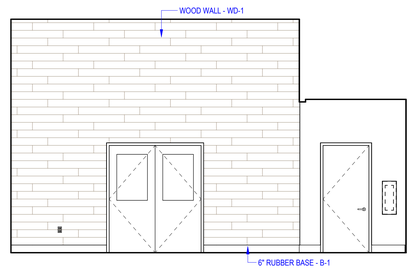
C1 104 LOBBY / VESTIBULE - N
1/4" = 1'-0"



C3 104 LOBBY / VESTIBULE - E
1/4" = 1'-0"



C6 104 LOBBY / VESTIBULE - S
1/4" = 1'-0"



C8 104 LOBBY / VESTIBULE - W
1/4" = 1'-0"

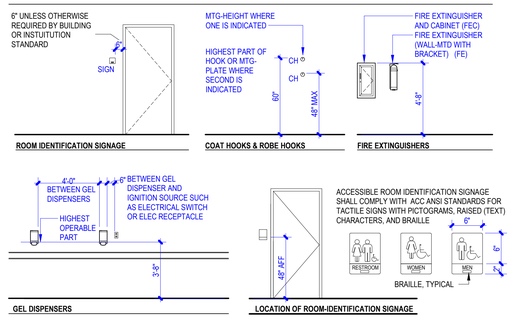
FF&E SCHEDULE

FF&E NO.	DESCRIPTION / BASIS OF DESIGN	COORDINATION REQUIRED: ELEC	COORDINATION REQUIRED: BLOCKING
CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
CC01	GRAB BAR - BOBRICK - B6806 - 42 - GRAB BAR		•
CC02	GRAB BAR - BOBRICK - B6806 - 18" VERTICAL		•
CC03	GRAB BAR - BOBRICK - B6806 - 36 - GRAB BAR		•
CC04	GRAB BAR - BOBRICK - 5806 - 18" - HORIZONTAL		•
CC05	SURFACE MOUNTED SEAT DISPENSER- BOBRICK - B221		
CC06	TOILET PAPER DISPENSER - BOBRICK - B-540		•
CC08	UTILITY RACK - BOBRICK - B224		•
CC09	MIRROR - BOBRICK - B165 - 24 X 36 MIRROR		•
CC10	ENMOTION® IMPULSE® 8" 1-ROLL AUTOMATED TOUCHLESS PAPER TOWEL DISPENSER BY GP PRO (GEORGIA-PACIFIC), BLACK, 1 DISPENSER		•
CC11	BABY CHANGING STATION - BOBRICK - KB310-SSWM HORIZONTAL STAINLESS STEEL		•
CC20	TELESCOPIC BLEACHERS - BOD - MAXAM WALL ATTACHED GYM BLEACHERS		•
OWNER FURNISHED / CONTRACTOR INSTALLED			
OC01	85" LED WALL MOUNTED MONITOR		•

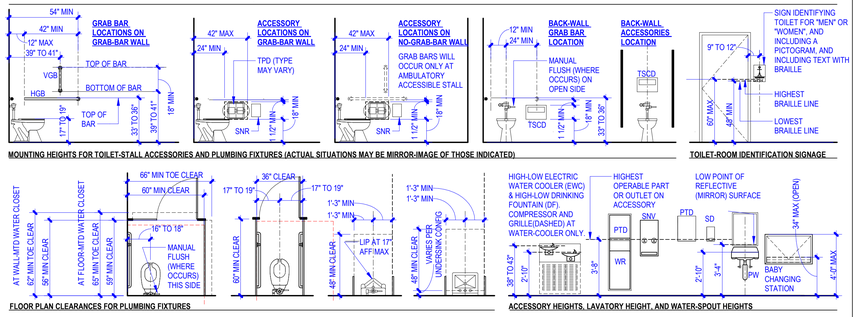
PLUMBING FIXTURE SCHEDULE

TYPE	SPECIFICATION
DF1	DRINKING FOUNTAIN: BOD - ELKAY BI-LEVEL ADA - LZSTL8WSBPRO
F1	FAUCET: BOD - TOUCHLESS, KOHLER - TRIM - K-R32930
S1	SINK: BOD - KOHLER - BRENHAM - K-1999
S2	MOP SINK: KOHLER - WHITBEY - K-6710
S3	CHILDRENS SINK: CORIAN 8252 - WHITE
T1	TYPICAL TOILET - FLOOR MOUNTED WITH FLUSHOMETER (AUTOMATIC)
T2	<varies>
U1	URINAL: KOHLER - FRESHMAN - K-4989 - WITH FLUSHOMETER (AUTOMATIC)

ACCESSORY PLACEMENT



TOILETS AND DRINKING FOUNTAINS (AND WATER COOLERS) - TYPICAL CLEARANCES AND MOUNTING LOCATIONS



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3626 REGISTERED ARCHITECT L. KENT GREGORY STATE OF WASHINGTON

TULALIP TRIBES
BETTY J TAYLOR EARLY LEARNING ACADEMY GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET - PH 2

INTERIOR ELEVATIONS - PHASE 2

ISSUANCE

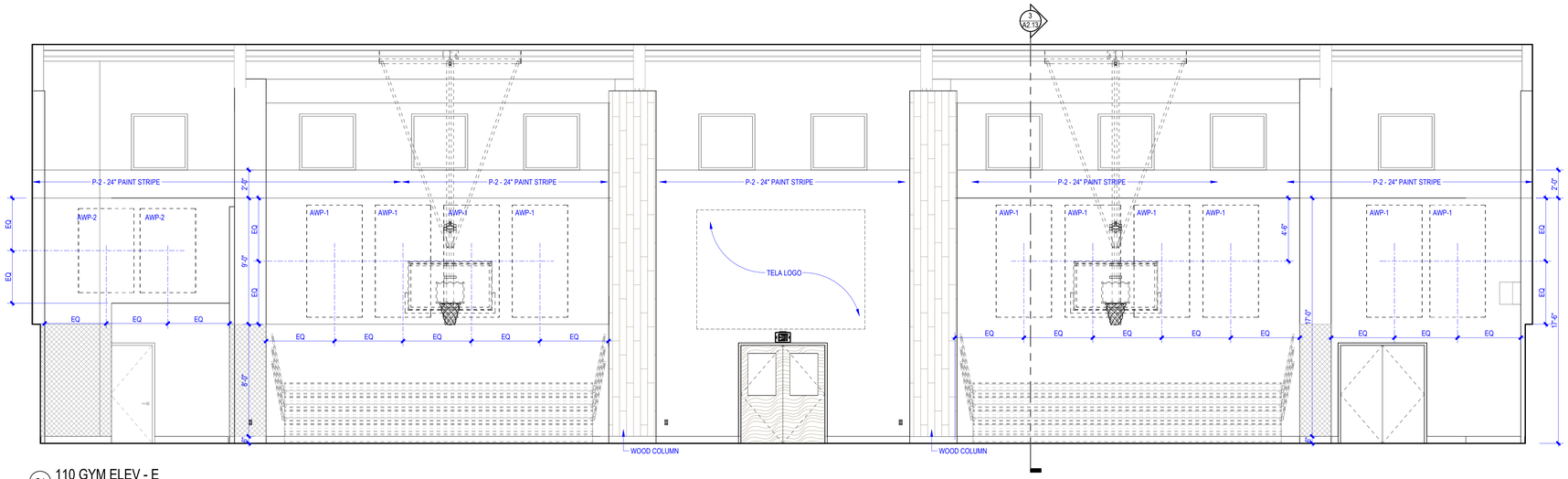
No.	Description	Date
3	PHASE 2 PERMIT SET	11/09/2026

PROJECT INFORMATION

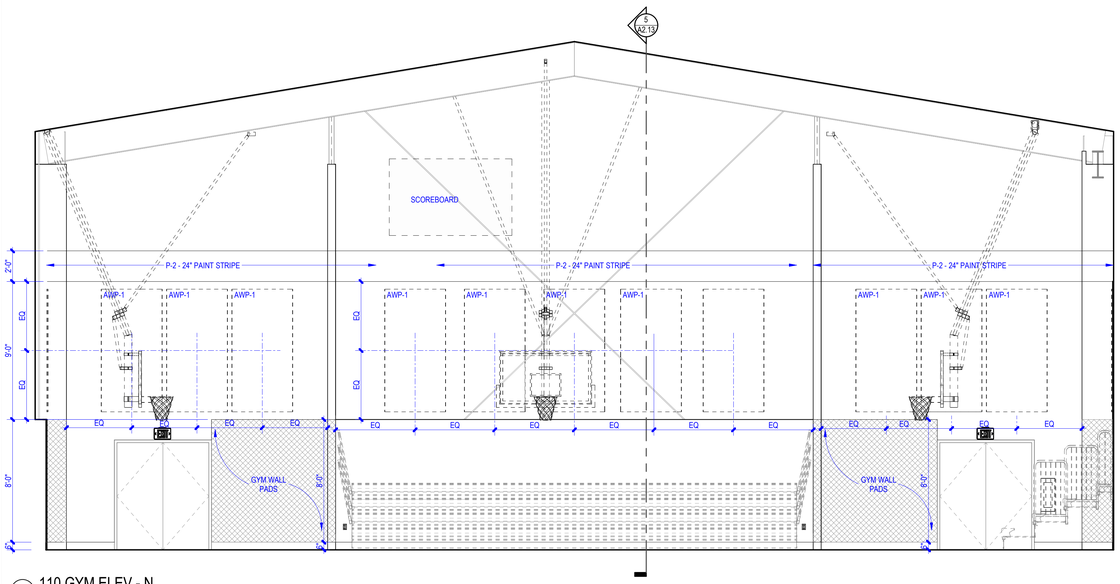
PROJECT NUMBER:	25076
PROJECT LEAD:	DCUO
DRAWN BY:	JO

SHEET NO
A3.21

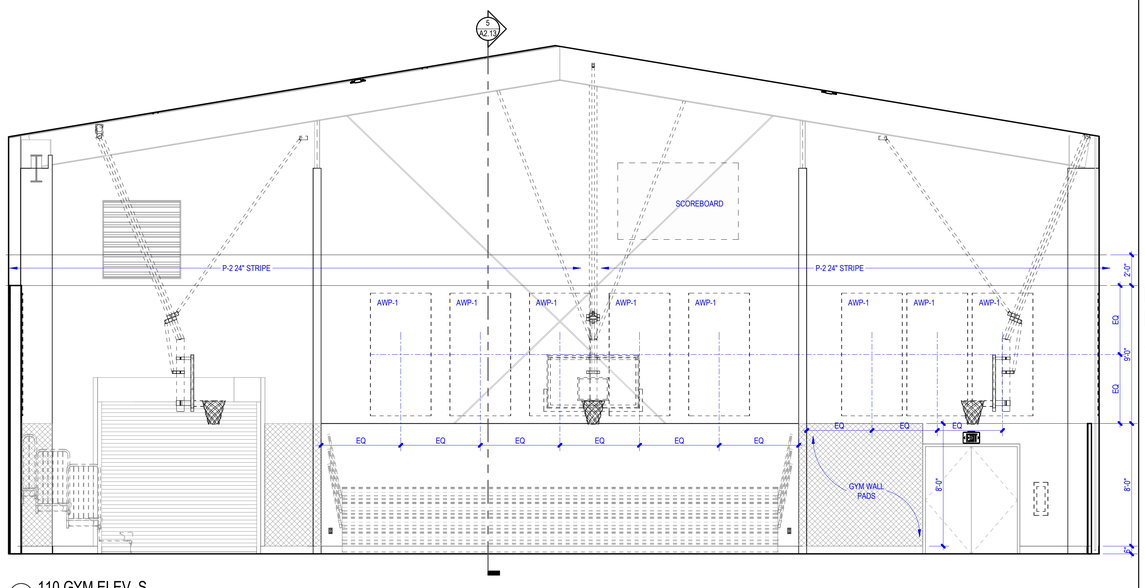
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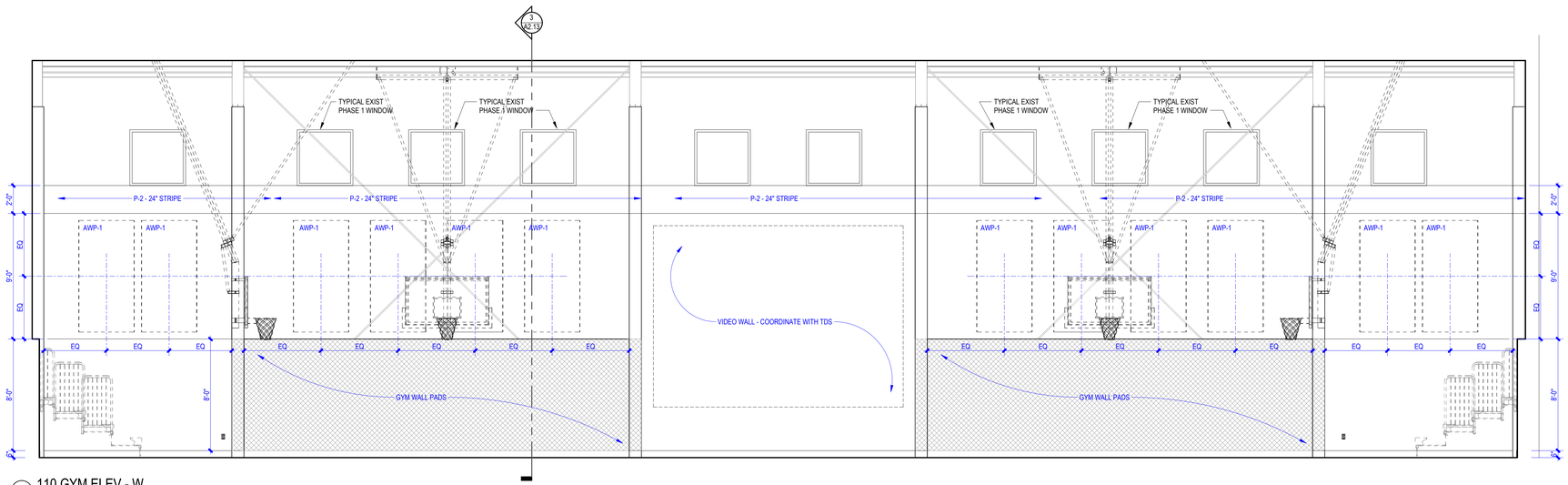
G1 110 GYM ELEV - E
1/4" = 1'-0"



D1 110 GYM ELEV - N
1/4" = 1'-0"



D6 110 GYM ELEV S
1/4" = 1'-0"



A1 110 GYM ELEV - W
1/4" = 1'-0"

INTERIOR ELEVATION SYMBOLS

PL-3 MATERIAL TAG, SEE FINISH SCHEDULE

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3626 REGISTERED ARCHITECT L. KENT GREGORY STATE OF WASHINGTON

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET - PH 2

INTERIOR ELEVATIONS - PHASE 2

ISSUANCE

No.	Description	Date
3	PHASE 2 PERMIT SET	11/09/2026

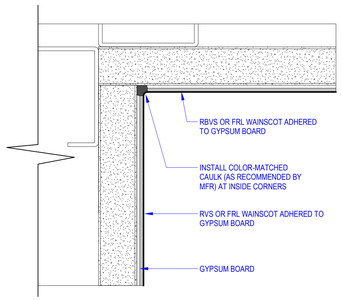
PROJECT INFORMATION

PROJECT NUMBER:	25076
PROJECT LEAD:	DC/JO
DRAWN BY:	JO

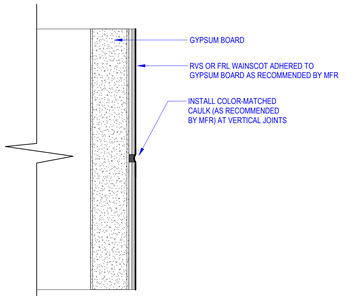
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A3.22

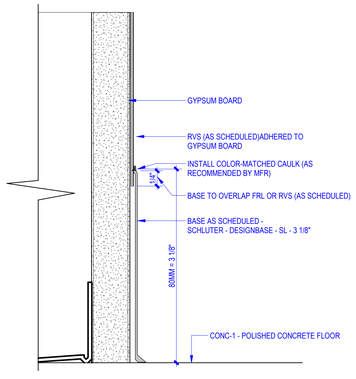
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11/10/2026 12:31:36 PM



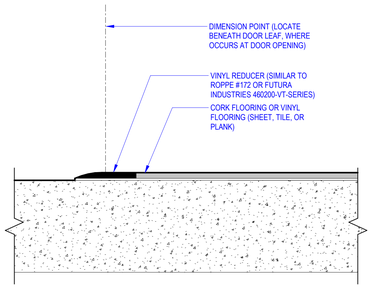
G1 C3010.16 WAINSCOT - RVS/FRL - INSIDE CORNER (NO TRIM)
12" = 1'-0"



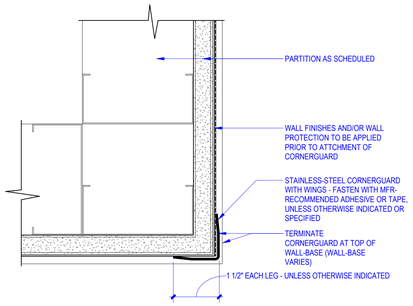
E1 WAINSCOT - RVS/FRL - BUTT JOINT (NO TRIM)
12" = 1'-0"



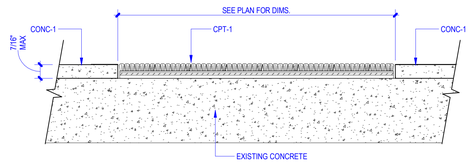
E4 C3010.51 WALL BASE - RVS TO METAL BASE
12" = 1'-0"



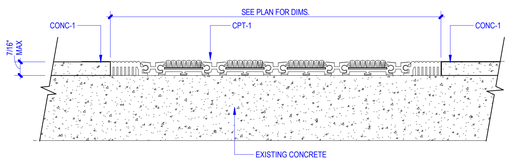
C1 FLOORING TRANSITION - CONCRETE TO RESILIENT
12" = 1'-0"



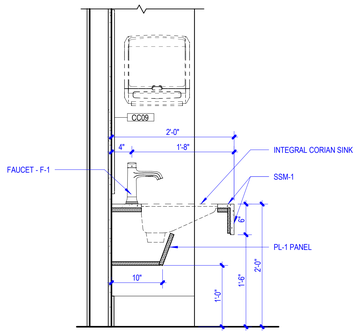
C4 C3010.06 CORNER GUARD - STAINLESS STEEL
6" = 1'-0"



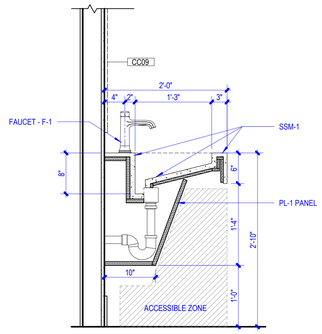
A1 WALK-OFF MAT SECTION - A
6" = 1'-0"



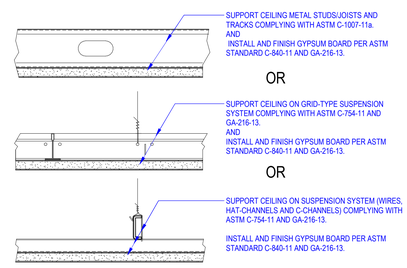
A4 WALK-OFF MAT SECTION - B
6" = 1'-0"



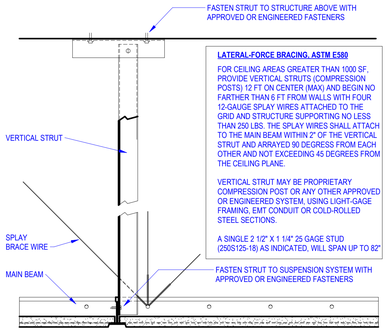
H8 CHILDREN'S SINK - SECTION 24"H
1" = 1'-0"



H10 TOILET SINK - SECTION 34"H
1" = 1'-0"



E9 CONSTRUCTION OF GYPSUM BOARD CEILINGS
3" = 1'-0"



LATERAL-FORCE BRACING, ASTM E580

FOR CEILING AREAS GREATER THAN 1000 SF, PROVIDE VERTICAL STRUTS (COMPRESSION POSTS) 12 FT ON CENTER (MAX) AND BEGIN NO FARTHER THAN 6 FT FROM WALLS WITH FOUR 12-GAUGE SPLAY WIRES ATTACHED TO THE GRID AND STRUCTURE SUPPORTING NO LESS THAN 250 LBS. THE SPLAY WIRES SHALL ATTACH TO THE MAIN BEAM WITHIN 2" OF THE VERTICAL STRUT AND ARRAYED 90 DEGRESS FROM EACH OTHER AND NOT EXCEEDING 45 DEGREES FROM THE CEILING PLANE.

VERTICAL STRUT MAY BE PROPRIETARY COMPRESSION POST OR ANY OTHER APPROVED OR ENGINEERED SYSTEM, USING LIGHT-GAGE FRAMING, EMT CONDUIT OR COLD-ROLLED STEEL SECTIONS.

A SINGLE 2 1/2" X 1 1/4" 25 GAGE STUD (250S125-18) AS INDICATED, WILL SPAN UP TO 82"

CEILING-MOUNTED LIGHTING, AND CEILING-MOUNTED AIR TERMINALS AND SERVICES:

ALL CEILING-MOUNTED LIGHTING FIXTURES, AND CEILING-MOUNTED AIR TERMINALS AND SERVICES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM BY MECHANICAL MEANS, UNLESS INDEPENDENTLY SUPPORTED.

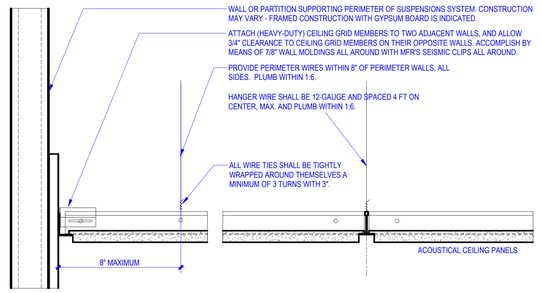
LIGHT FIXTURES:

WEIGHT (LBS)	REQUIREMENT	SLACK WIRE ALLOWED?
LESS THAN 10	ONE 12-GAUGE SAFETY WIRE FROM HOUSING TO STRUCTURE	YES
10 TO 56	SUPPORTED DIRECTLY FROM THE STRUCTURE BY APPROVED HANGERS	YES
> 56	SUPPORTED DIRECTLY FROM THE STRUCTURE BY APPROVED HANGERS	NO

PENDANT-HUNG FIXTURES SHALL BE DIRECTLY SUPPORTED FROM THE STUCTURE WITH 9-GAUGE WIRE MIN. OR APPROVED ALTERNATE

MECHANICAL SERVICES:

WEIGHT (LBS)	REQUIREMENT	SLACK WIRE ALLOWED?
LESS THAN/= 20	ATTACHED TO MAIN RUNNER OR CROSS RUNNER WITH SAME CAPACITY	
>20 TO 56	SAME AS ABOVE BUT HAVE TWO 12-GAUGE SAFETY WIRES TO STRUCTURE	YES
> 56	SUPPORTED DIRECTLY FROM THE STRUCTURE BY APPROVED HANGERS	NO



A7 CONSTRUCTION OF ACP CEILINGS
3" = 1'-0"

NOTE THE FOLLOWING:

INSTALL SUSPENSION SYSTEMS IN ACCORDANCE WITH THE ADDITIONAL INFORMATION ON THIS DETAIL, WHICH IS INTENDED TO FOLLOW THE NW WALL & CEILING TECHNICAL DOCUMENT 401 FOR PRESCRIPTIVE DESIGN AND INSTALLATION OF SUSPENSION SYSTEMS FOR ACOUSTICAL LAY-IN CEILINGS UNDER THE 2021 IBC WITH WA STATE AMENDMENTS FOR SEISMIC DESIGN CATEGORIES D, E, AND F.

APPLICABLE SOURCES: 2021 IBC WITH WA STATE AMENDMENTS, ASCE-7-16, ASTM C635, ASTM C636, ASTM E580.

FURNISH HEAVY-DUTY CEILING GRID AT ALL MAIN BEAMS AND LEVEL TO WITHIN 1/4" IN 10 FT. IN ACCORDANCE WITH ASTM C635.

CROSS TEES SHALL BE LEVEL TO WITHIN 1/8" IN 12 FT.

FOR CEILINGS WITHOUT RIGID BRACING, PROVIDE FLEXIBLE CONNECTION FROM SPRINKLER BRANCH LINES TO SPRINKLER HEADS, IN LIEU OF OVERSIZED SPRINKLER OPENINGS IN CEILING

IN CEILINGS GREATER THAN 2500 SF, PROVIDE 1 1/2" WIDE MINIMUM CEILING JOINT AS INDICATED AND DETAILED ON CEILING PLANS.

REFER TO NWCB TECHNICAL DOCUMENT - SUSPENDED CEILINGS 401 FOR MORE INFORMATION.

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3626 REGISTERED ARCHITECT L. KENT GREGORY STATE OF WASHINGTON

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET - PH 2

INTERIOR DETAILS - PHASE 2

ISSUANCE

No.	Description	Date
3	PHASE 2 PERMIT SET	11/09/2026

PROJECT INFORMATION

PROJECT NUMBER:	25076
PROJECT LEAD:	DC/JO
DRAWN BY:	DC

SHEET NO

A5.20

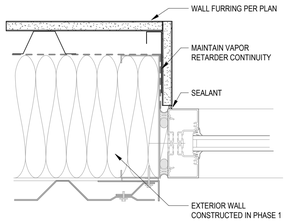
Autodesk Docs://25076 JTM Design Build TELA Gym.rvt 11/10/2026 12:31:38 PM

DOOR SCHEDULE PHASE 2

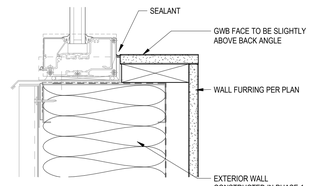
DOOR NO.	ROOM NAME	WIDTH	HEIGHT	WxH	TYPE	MATERIAL	FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HARDWARE TYPE	CLOSER	CR	COMMENTS
104	GYM	6' - 0"	7' - 0"	6' - 0" x 7' - 0"	HG	WD	STAIN	A	HM	PAINT		Yes	No	
105	MEN/BOYS	3' - 0"	7' - 0"	3' - 0" x 7' - 0"	F	WD	STAIN	A	HM	PAINT	PUSH/PULL	Yes	No	
106	JANITOR	3' - 0"	7' - 0"	3' - 0" x 7' - 0"	F	WD	PAINT	A	HM	PAINT	STOREROOM		Yes	3/4" DOOR UNDERCUT TO SERVE AS XFER FOR JANITOR & FAMILY RESTOON EXHAUST
107	WOMEN/GIRLS	3' - 0"	7' - 0"	3' - 0" x 7' - 0"	F	WD	STAIN	A	HM	PAINT	PUSH/PULL	Yes		
108	CULTURAL MULTI-USE	3' - 0"	7' - 0"	3' - 0" x 7' - 0"	HG	WD	STAIN	A	HM	PAINT	CLASSROOM	No	Yes	
109	FAMILY RESTROOM	3' - 0"	7' - 0"	3' - 0" x 7' - 0"	F	WD	STAIN	A	HM	PAINT	PRIVACY			
112	STORAGE	6' - 0"	7' - 0"	6' - 0" x 7' - 0"	F	WD	PAINT	A	HM	PAINT	STOREROOM		Yes	

DOOR AND HARDWARE NOTES

1. PRIOR TO FABRICATION, FIELD VERIFY ALL DIMENSIONS.
2. REFER DOOR SCHEDULE FOR HARDWARE SETS.
3. ALL DOOR TYPES ARE SHOWN AS SINGLE PANEL, WHETHER SINGLE OR DOUBLE. SEE PLANS FOR ACTUAL CONFIGURATION AND SWING OF DOORS.
4. ALL STILE SIZES, RAIL SIZES, LITE SIZES, AND LITE DETAILS SHALL BE PER STEEL DOOR INSTITUTE (SDI) STANDARDS, UNO.
5. AT STOREFRONT DOORS, ALL STILE SIZES, RAIL SIZES, AND RAIL LOCATIONS SHALL BE PER THE MANUFACTURER'S STANDARD MEDIUM-STILE DOOR, UNO.
6. ALL GLAZING IN DOOR LITES AND SIDE LITES SHALL BE 1/4" TEMPERED GLASS AND SHALL BE WIRE-FREE FIRE GLASS WHERE DOOR IS REQUIRED TO BE FIRE-RATED.
7. WHERE A DOOR IS LOCATED IN AN ACOUSTICALLY RATED WALL, PROVIDE ACOUSTICAL INSULATION IN DOOR FRAME ON ALL SIDES.

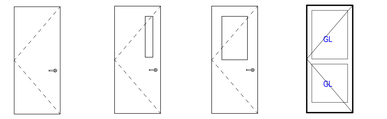


F6 WALL FURRING @ WINDOW JAMB
3" = 1'-0"



E6 WALL FURRING @ WINDOW SILL
3" = 1'-0"

DOOR TYPE LEGEND



F FLUSH (HINGED)
N NARROW GLASS-LITE
HG HALF GLASS-LITE
SH STOREFRONT (HINGED)

DOORS LISTED BELOW ARE NOT ILLUSTRATED

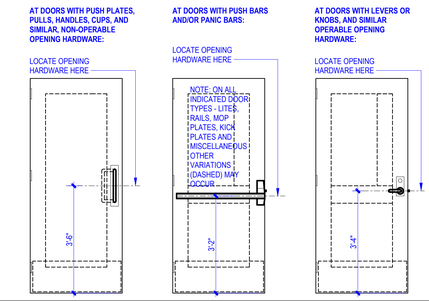
OHD OVERHEAD COILING DOOR

FRAME TYPE LEGEND

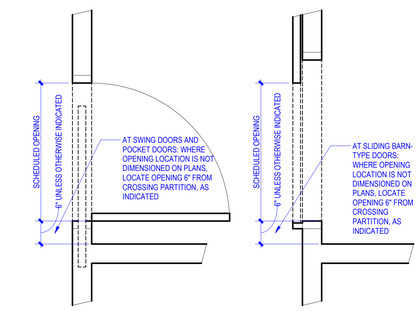


A DOOR ONLY

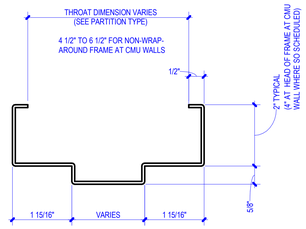
DOOR-HARDWARE LOCATIONS

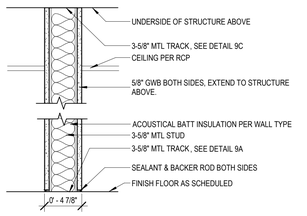


LOCATION OF DOORS ON FLOOR PLANS

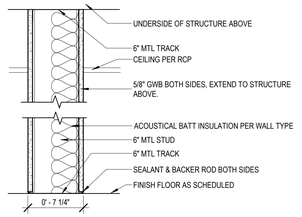


FRAME PROFILES

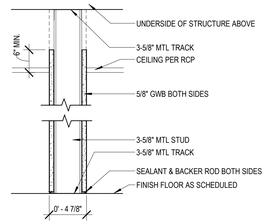




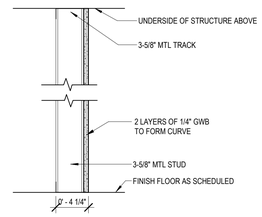
6 TYPE A1 - NR_3-5/8" MTL_FULL HEIGHT
1 1/2" = 1'-0"



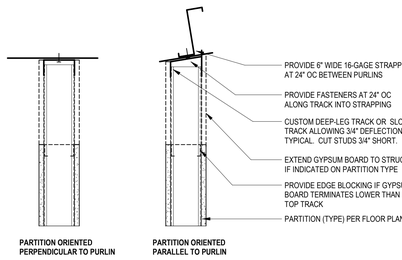
8 TYPE A5 - NR_6"MTL_FULL HEIGHT
1 1/2" = 1'-0"



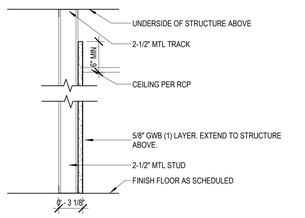
10 TYPE B1 - NR_3-5/8"MTL_6" ABV CLG
1 1/2" = 1'-0"



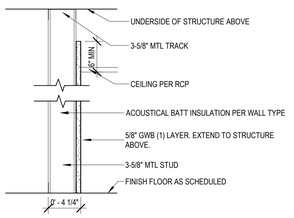
12 TYPE G1 - NR FURR_3-5/8"MTL_FULL HEIGHT
1 1/2" = 1'-0"



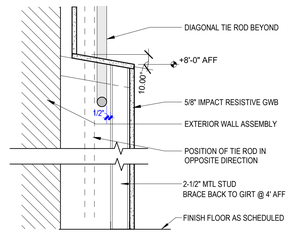
C10 UNRATED PTN-HEAD TO NO-FP METAL ROOF STRUCT.
1 1/2" = 1'-0"



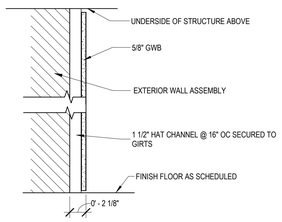
13 TYPE G4 - NR FURR_2-1/2"MTL_6" ABV CLG
1 1/2" = 1'-0"



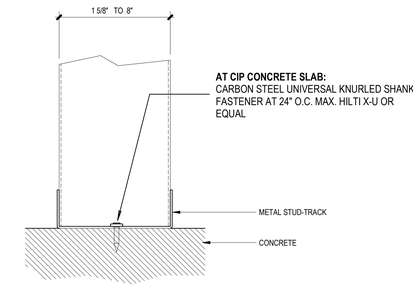
11 TYPE H1 - NR FURR_3-5/8"MTL_6" ABV CLG
1 1/2" = 1'-0"



9 TYPE H2 - NR FURR_2-1/2"MTL_PARTIAL HT.
1 1/2" = 1'-0"



4 TYPE H4 - NR FURR_1 1/2" HAT CH FULL HEIGHT
1 1/2" = 1'-0"



A10 PARTITION FLOOR-TRACK FASTENING @ CONCRETE
6" = 1'-0"

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TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PERMIT SET - PH 2

DOOR SCHEDULE,LEGEND & WALL DETAILS - PHASE 2

ISSUANCE

No.	Description	Date
3	PHASE 2 PERMIT SET	11/09/2026

PROJECT INFORMATION

PROJECT NUMBER:	25076
PROJECT LEAD:	DC/JO
DRAWN BY:	DC /JY

SHEET NO

A6.31

11/10/2026 12:31:37 PM Autodesk Docs://25076 JTM Design Build TELA Gym.rvt

GENERAL SYMBOLS

- DRAWING REFERENCE ("FLAG") NOTE
- EQUIPMENT IDENTIFIER (XX = ABBREVIATION Y = EQUIPMENT SCHEDULE NUMBER)
- MATCHLINE
- REVISION CLOUD (ENCIRCLES DRAWING CHANGES MADE SINCE THE PREVIOUS RELEASE
- DETAIL IDENTIFICATION NUMBER
  DETAIL REFERENCE BUBBLE
  SHEET FROM WHICH DETAIL WAS TAKEN FROM
- SECTION IDENTIFICATION NUMBER
  WALL SECTION REFERENCE
  SHEET FROM WHICH DETAIL WAS TAKEN FROM
- ELEVATION IDENTIFICATION NUMBER
  INTERIOR ELEVATION REFERENCE
  SHEET FROM WHICH ELEVATION WAS TAKEN FROM
- REVISION REFERENCE
- NORTH REFERENCE

CIRCUITS

- CIRCUIT
- CIRCUIT IN OR UNDER FLOOR OR UNDERGROUND
- EXISTING CIRCUIT
- EXISTING CIRCUIT TO BE REMOVED
- CIRCUIT TURNED DOWN
- CIRCUIT TURNED UP
- CIRCUIT TERMINATION TYPE AS NOTED
- BREAK LINE (FOR DRAWING CLARITY)
- SURFACE METAL RACEWAY (SMR) TYPE AS NOTED
- SURFACE METAL RACEWAY WITH INTEGRAL DEVICES

- HASHMARKS DENOTE No. OF CIRCUIT CONDUCTORS, IF NO HASHMARKS SHOWN PROVIDE 2#12 + EGC UNLESS OTHERWISE NOTED OR SPECIFIED. GROUND CONDUCTOR IG = ISOLATED GROUND D = DEDICATED GROUND
- CIRCUIT DESCRIPTOR: 1"(RACEWAY SIZE), 4 (QTY OF CIRCUIT CONDUCTORS), #8 (AWG SIZE OF CIRCUIT CONDUCTORS), 1#10 EGC (QTY & SIZE OF EQUIPMENT GROUND CONDUCTOR)
- BRANCH CIRCUIT NUMBERS (PHASE A NUMBER ONLY FOR 3 PHASE LOAD)
- PANEL DESIGNATION
- HOMERUN FROM SOURCE OF SUPPLY
- JUNCTION BOX
- JUNCTION BOX (JB), PULL BOX (PB) OR TERMINAL BOX (TB) SIZE AS NOTED
- PULL BOX
- 2-GANG AV BACK BOX, PROVIDE CONDUIT AS SHOWN ON FLOOR PLANS AND PULL STRING.

LIGHTING FIXTURES

- LIGHTING FIXTURE IDENTIFIER
- RECESSED FLUORESCENT FIXTURE (SIZED TO SCALE)
- SURFACE OR PENDANT MOUNTED FLUORESCENT FIXTURE (SIZED TO SCALE)
- WALL MOUNTED FLUORESCENT FIXTURE (SIZED TO SCALE)
- STRIP FLUORESCENT FIXTURE (LENGTH AS SHOWN OR NOTED)
- RECESSED, PENDANT OR SURFACE FIXTURE
- WALL MOUNTED FIXTURE
- WALL WASHER FIXTURE (AIM TOWARD UNSHADED SIDE)
- TRACK MOUNTED FIXTURES, (TRACK LENGTH TO SCALE, FIXTURE QTY AS SHOWN OR NOTED)
- EXIT SIGN, DOUBLE FACE CEILING/PENDANT MOUNTED WITH OR WITHOUT ARROWS AS SHOWN. SHADING INDICATES ILLUMINATED FACE. EMERGENCY TYPE.
- EXIT SIGN, DOUBLE FACE WALL MOUNTED WITH OR WITHOUT ARROWS AS SHOWN. SHADING INDICATES ILLUMINATED FACE. EMERGENCY TYPE
- EXIT SIGN, SINGLE FACE CEILING/PENDANT MOUNTED WITH OR WITHOUT ARROWS AS SHOWN. SHADING INDICATES ILLUMINATED FACE. EMERGENCY TYPE
- EXIT SIGN, SINGLE FACE WALL MOUNTED WITH OR WITHOUT ARROWS AS SHOWN. SHADING INDICATES ILLUMINATED FACE. EMERGENCY TYPE.
- EMERGENCY LIGHT, BATTERY OPERATED
- PATHWAY LIGHTING FIXTURE, EMERGENCY TYPE
- EXISTING FIXTURES (R = NEW LOCATION FOR RELOCATED)
- FLOODLIGHT, WALL MOUNTED (ARROWS INDICATE AIMING)
- FLOODLIGHT, POLE MOUNTED (ARROWS INDICATE AIMING)

- AREA/STREET LUMINAIRE, POLE MOUNTED
- SINGLE AREA/STREET LUMINAIRE, POLE MOUNTED
- LUTRON GRX IRPS WH PARTITION SENSOR PAIR WITH POWER SUPPLY
- LUTRON SCENE CONTROLLER SG-2BN
- LUTRON 3 BUTTON WINDOW TREATMENT WALLSTATION SG-3WN
- LUTRON 2 BUTTON SCREEN CONTROL SG-2WN
- DIMX2-__ EMERGENCY DIMMING ZONE, SECOND FLOOR (CENTRALIZED LUTRON SYSTEM)
- DIM2-__ NORMAL DIMMING ZONE, SECOND FLOOR (CENTRALIZED LUTRON SYSTEM)

SWITCHES & MISCELLANEOUS LIGHTING CONTROLS

- $ SINGLE POLE SWITCH
- $ SINGLE POLE SWITCH WITH OCCUPANCY SENSOR
- $ THREE-WAY SWITCH
- $D DIMMER SWITCH
- $ OSD WALL MOUNTED DIMMING OCCUPANCY SENSOR - WATTSTOPPER WD
- $ M MANUAL MOTOR STARTER (SEE MISC POWER)
- $ T TIMER SWITCH
- $LV2A1L LOW-VOLTAGE OVERRIDE SWITCH (RELAY; LCP SECTION; FLOOR)
- a,b,c MULTIPLE SWITCH STATION (SWITCHLEGS CONTROLLED)
- OS 277 IR CEILING MOUNTED OCCUPANCY SENSOR
- PE PHOTOCELL - INTERIOR 0-10V OUTPUT TO DIMMING BALLAST. PROVIDE POWER PACK. WATTSTOPPER LS301
- PS PHOTO SENSOR
- PUSHBUTTON
- PE PHOTOCELL INTERIOR ECOSYSTEM PART #_____

RECEPTACLES

- SINGLE PHASE RECEPTACLE
  A: L6-20R
  B: L6-30R
  C: L5-20R
  D: L5-30R
- E THREE PHASE RECEPTACLE, TYPE AS INDICATED
  E: NEMA L21-20R
  F: NEMA L21-30R
  G: CUSTOM
- DUPLEX RECEPTACLE NEMA 5-20R
- IG DUPLEX RECEPTACLE NEMA 5-20R, ISOLATED GROUND
- GFCI DUPLEX RECEPTACLE NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER
- DOUBLE DUPLEX RECEPTACLE
- SPECIAL PURPOSE DUPLEX RECEPTACLE NEMA 5-20R, OPTIONAL STANDBY CIRCUIT
- (T) DEDICATED CIRCUIT DUPLEX ELECTRICAL RECEPTACLE, MOUNTED ABOVE COUNTER (W/ TIMER IN 4 SQUARE DEEP BOX)
- ABOVE COUNTER RECEPTACLE
- RACEWAY STUB-UP WITH PEDESTAL FITTING AND WIRING DEVICE AS SHOWN
- POKE THRU FITTING WITH FITTING AND WIRING DEVICE AS SHOWN
- FLOOR BOX WITH PEDESTAL FITTING AND WIRING DEVICE AS SHOWN
- FLOOR BOX WITH FLUSH MOUNTED DEVICE
- CEILING-MOUNTED DUPLEX RECEPTACLE, 125V, 15A OPTIONAL STANDBY CIRCUIT WHERE NOTED

MISCELLANEOUS POWER

- EQUIPMENT CONNECTION
- MOTOR CONNECTION
- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH, FRAME AND FUSE SIZE AS SHOWN
- $M MANUAL MOTOR STARTER, TOGGLE TYPE, WITH THERMAL OVERLOAD DEVICE
- COMBINATION STARTER
- CABINET - TYPE AS INDICATED (SIZE TO SCALE)
- PANELBOARD - 120/208V (SIZE TO SCALE)
- PANELBOARD - 277/480V (SIZE TO SCALE)
- POWER TRANSFORMER KVA AS INDICATED ON ONE LINE DIAGRAM
- GROUND BAR
- EMERGENCY POWER OFF (EPO)
- GROUND BONDING POINT TO STEEL STRUCTURE, REBAR, PIPE, ETC SEE DETAILS
- GROUNDING CONNECTION (TYP AS SHOWN OR NOTED)
- BARE COPPER GROUND CONDUCTOR, SIZE AS SHOWN
- (S) J-BOX & CONDUIT W/PULL WIRE FOR FUTURE INSTALLATION (S INDICATES SPECIAL RECEPTACLE)
- P PLUGMOLD @ 40" A.F.F., U.N.O. (RECEPT. MOUNTED @ 12" O.C.)
- POWER POLE LOCATION
- P PANIC ALARM STATION PUSH BUTTON

MISCELLANEOUS COMMUNICATIONS

SEE T-SERIES DOCUMENTS FOR COMMUNICATIONS

COMMON COMBINATION POWER/COMMUNICATIONS WALL PACK UNITS

J

AV JUNCTION BOX:
- SINGLE GANG JUNCTION BOX FOR AV CABLING
- PROVIDE 1" CONDUIT FROM BOX TO MONITOR ABOVE OR ACCESSIBLE CEILING SPACE DEPENDING ON LOCATION.

①

1 PACK: SINGLE ADMIN USER, LOUNGE, RECEPTION
- 5-20R DUPLEX POWER
- SINGLE GANG DATA - (1) CORPNET

②

2 PACK: SINGLE DEV USER
- 5-20R DUPLEX POWER
- SINGLE GANG DATA - (1) CORPNET & (1) DEV NET

③

3 PACK: PRINTER
- 5-20R DUPLEX POWER
- SINGLE GANG DATA - (2) CORPNET

⑦

7 PACK: AV MONITOR PACK
- 5-20R DUPLEX POWER
- SINGLE GANG DATA - (1) CORPNET
- SINGLE GANG BOX FOR AV CABLING
- MINIMUM 1" CONDUIT PATHWAY FOR AV TO CEILING OR MONITOR

⑧

8 PACK: DOUBLE DEV
- 5-20R DUPLEX POWER; CAN SHARE UP TO (2) PER CIRCUIT
- SINGLE GANG DATA - (2) CORPNET & (2) DEVNET

⑨

9 PACK: 4 DEV USERS
- 5-20R QUAD POWER; DEDICATED CIRCUIT.
- DOUBLE GANG DATA - (4) CORPNET & (4) DEVNET

A

8" POKE-THRU (TEAM & CONF ROOMS)
- 8" CORE
- WIREMOLD 5ATC EVOLUTION SERIES POKE-THRU
- (2) 5-20R DUPLEX RECEPTACLES
- (3) SINGLE GANG DATA / AV FACEPLATES
- UP TO 12 DATA JACKS (CORP + DEV)
- PROVIDE 1" CONDUIT TO ACCESSIBLE CEILING SPACE FOR AV CABLING

B

4" POKE-THRU (NEIGHBORHOODS, LOUNGE, LOBBY)
- 4" CORE
- WIREMOLD RC4 SERIES POKE-THRU
- (2) 5-20R DUPLEX RECEPTACLES
- UP TO 4 DATA JACKS (CORP + DEV)

C

4" POKE-THRU & AV PASS THRU (CONF OPTION)
- (1) 4" CORE AND (1) 2" CORE
- WIREMOLD RC4 SERIES POKE-THRU
- (2) 5-20R DUPLEX RECEPTACLES
- UP TO 4 DATA JACKS (CORP + DEV)
- PROVIDE CONDUIT FOR AV CABLING TO ACCESSIBLE CEILING SPACE

D

6" POKE-THRU (NEIGHBORHOODS)
- 6" CORE
- WIREMOLD 5ATC EVOLUTION SERIES POKE-THRU
- (2) 5-20R DUPLEX RECEPTACLES
- UP TO 8 DATA JACKS (CORP + DEV)

E

4" POKE-THRU FURNITURE FEED (NEIGHBORHOODS)
- 4" CORE
- WIREMOLD RC7 SERIES POKE-THRU
- (1) 3/4" CONDUIT FOR LINE VOLTAGE POWER CABLING.
- (1) 1-1/4" CONDUIT FOR TELE/DATA CABLING.

ONE-LINE AND RISER DIAGRAM SYMBOLS

- EQUIPMENT CONNECTION
- MOTOR CONNECTION
- SWITCH
- SURGE ARRESTER
- SPD TVSS DEVICE
- CABLE TERMINATION TO BUS
- XXXXAT / YYYYAF CIRCUIT BREAKER WITH CURRENT LIMITING FUSE
- XX YY FUSED SWITCH, XX FUSE AMPS, YY SWITCH AMPS
- CURRENT TRANSFORMER
- (M) ELECTRONIC POWER METER/SIEMENS
- (K) KEY INTERLOCK
- (WM) WATT HOUR METER
- (A) AMMETER
- (V) VOLTMETER
- Name / KVA Rating / PRI/SEC V TRANSFORMER
- XX PANELBOARD
- MOTOR CONTROL CENTER
- AAA/P MANUAL TRANSFER SWITCH (AAA = AMPS, P = POLES SWITCHED)
- AAA/P AUTOMATIC TRANSFER SWITCH (AAA = AMPS, P = POLES SWITCHED)
- BUSWAY WITH END TAP BOX
- XXXXXX AMPERES FAULT AVAILABLE (SYMMETRICAL)

ABBREVIATIONS

A	AMMETER; AMPERE; AUTOMATIC; PHASE A
AC	ALTERNATING CURRENT; AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AMP	AMPERE
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AWG	AMERICAN WIRE GAGE
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BRKR	BREAKER
BSMT	BASEMENT
C	COMMUNICATIONS; CONDUIT; PHASE C
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CL	CURRENT LIMITING; CENTER LINE
CLG	CEILING
CO	CONDUIT ONLY
COL	COLUMN
COMB	COMBINATION
COMM	COMMUNICATIONS
COMPR	COMPRESSOR
CONN	CONNECTION
CORR	CORRIDOR
CP	CHILD PROOF
CPT	CONTROL POWER TRANSFORMER
CR	CONTROL RELAY
CRT	CATHODE RAY TUBE
CT	CURRENT TRANSFORMER
CU	COPPER
CW	COOL WHITE
D	DEEP
DB	DIRECT BURIAL
DC	DIRECT CURRENT
DIA	DIAMETER
DIAG	DIAGONAL; DIAGRAM
DIM	DIMENSION
DISC	DISCONNECT
DISTR	DISTRIBUTION
DIV	DIVISION
DN	DOWN
DPNL	DISTRIBUTION PANEL
DS	DISCONNECT SWITCH; DOOR STRIKE POWER
DWG	DRAWING
E	ELECTRICAL; EAST
EA	EACH
EC	ELECTRICAL CONDUCTOR
ECB	ENCLOSED CIRCUIT BREAKER
EGC	EQUIPMENT GROUNDING CONDUCTOR
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EP	ELECTRICAL PANEL; EXPLOSION PROOF
EQUIP	EQUIPMENT
EWC	ELECTRICAL WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
F	FAHRENHEIT
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FC	FOOTCANDLE
FIC	FURNISHED AND INSTALLED BY CONTRACTOR
FIG	FIGURE
FIO	FURNISHED AND INSTALLED BY OWNER
FIXTR	FIXTURE
FLA	FULL LOAD AMPERES
FLEX	FLEXIBLE
FLR	FLOOR
FLUOR	FLUORESCENT
FM	FREQUENCY MODULATION
FO	FUEL OIL; FIBER OPTIC
FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
FSD	FIRE SMOKE DAMPER
FT	FOOT; FEET
FTG	FOOTING
FURN	FURNISH
FUT	FUTURE
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL-VOLTAGE REVERSING
G	GROUND
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GFR	GROUND FAULT RELAY
GFS	GROUND FAULT SENSING
GSR	GROUND SENSOR RELAY
GRAP	GENERATOR REMOTE ANNUNCIATOR PANEL
H	HIGH; HEIGHT
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER; HIGH PRESSURE
HPS	HIGH PRESSURE SODIUM
HR	HOUR; HOURS
HTR	HEATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HOT WATER
HZ	HERTZ (CYCLES PER SECOND)
I	IONIZATION
IC	INTERRUPTING CAPACITY
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
IES	ILLUMINATING ENGINEERING SOCIETY
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IN	INCH
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
L	LIGHTING; LONG; LEFT
LF	LINEAL FOOT
LRA	LOCKED ROTOR AMPERES
LTG	LIGHTING
LV	LOW VOLTAGE
M	MONITOR; METER
MAINT	MAINTENANCE
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILS
MECH	MECHANICAL
MED	MEDICAL; MEDIUM
MEZZ	MEZZANINE
MFG	MANUFACTURING
MH	MANHOLE; METAL HALIDE
MIN	MINIMUM; MINUTE
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MM	MILLIMETER
MON	MONITOR; MONUMENT
MTG	MOUNTING
MV	MEDICAL VACUUM, MERCURY VAPOR
N	NEUTRAL; NORTH
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEG	NEGATIVE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NESC	NATIONAL ELECTRICAL SAFETY CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NM	NON-METALLIC
NO	NORMALLY OPEN; NUMBER
OC	ON CENTER
OD	OVERALL DIAMETER; OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ACT
OVHD	OVERHEAD
P	POLE; POWER; PRIMARY; PUMP
PA	PAGING; PUBLIC ADDRESS
PB	PULL BOX; BUSHBUTTON
PCB	POLYCHLORINATED BIPHENYL
PE	PHOTO-ELECTRIC; PNEUMATIC ELECTRIC
PED	PEDESTAL
PF	POWER FACTOR
PL	PILOT LIGHT
PNL	PANEL
POT	POTENTIAL
PP	POWER PANEL; POWER POLE; PUSH PLATE
PRI	PRIMARY
PS	PRESSURE SWITCH
PWR	POWER
QTY	QUANTITY
R	RECEPTACLE; RELAY; RELOCATED
RAD	RADIUS
REF	REFRIGERATOR; REFERENCE
REQD	REQUIRED
RMS	ROOT MEAN SQUARE
RPM	REVOLUTIONS PER MINUTE
RNVR	REDUCED-VOLTAGE NON-REVERSING
1□	SINGLE PHASE
S	SOUTH; SWITCH
SCHED	SCHEDULE; SCHEDULED
SDBC	SOFT DRAWN BARE COPPER
SEC	SECONDARY; SECOND
SF	SAFETY FACTOR
SFD	SMOKE FIRE DAMPER
SPD	SURGE PROTECTION DEVICE
SPEC	SPECIFICATION
SPKR	SPEAKER
SQ	SQUARE
ST	SHUNT TRIP
STA	STATION
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYM	SYMBOL
SYS	SYSTEM
3P	THREE PHASE
T	TELEPHONE; TIME
TA	TELEVISION ANTENNA
TB	TERMINAL BOARD
TC	TELEVISION CONTROL
TCL	TOTAL CONNECTED LOAD
TD	THERMAL DETECTOR
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPERATURE; TEMPORARY
THRU	THROUGH
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
V	VOLT; VOLTMETER
VA	VOLT AMPERE
VM	VOLTMETER
VP	VAPOR PROOF
VFD	VARIABLE FREQUENCY DRIVE
W	WATT; WATTMETER; WEST; WIDE; WIDTH; WIRE
WH	WATTHOUR; WATTHOUR METER; WATER HEATER
WHM	WATTHOUR METER
WM	WATTMETER
WP	WATERPROOF; WEATHERPROOF
WPS	WATER PRESSURE SWITCH
XFMR	TRANSFORMER

APPLICABLE CODES:
- 2015 IBC WITH WA AMENDMENTS
- 2015 WASHINGTON STATE ENERGY CODE
- 2023 NATIONAL ELECTRICAL CODE
- REFER TO ARCHITECTURAL FOR OTHERS

ELECTRICAL SHEET INDEX

Sheet Number	Sheet Name	Sheet Order NEW
E-0.00	SYMBOLS & ABBREVIATIONS	
E-0.01	SITE PLAN	
E-1.01	ONE-LINE DIAGRAM	
E-1.02	PANEL SCHEDULES	
E-1.03	LIGHTING SCHEDULES AND ENERGY CODE	
E-2.01	LEVEL 1 POWER & MECH PLAN	
E-3.01	LEVEL 1 LIGHTING PLAN	

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Consulting Electrical Engineers

WALTER A. GERBER
STATE OF WASHINGTON
21603
REGISTERED PROFESSIONAL ENGINEER
5-11-27

TULALIP TRIBES TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PHASE 2 BUILDING PERMIT SET 11-10-26

SYMBOLS & ABBREVIATIONS

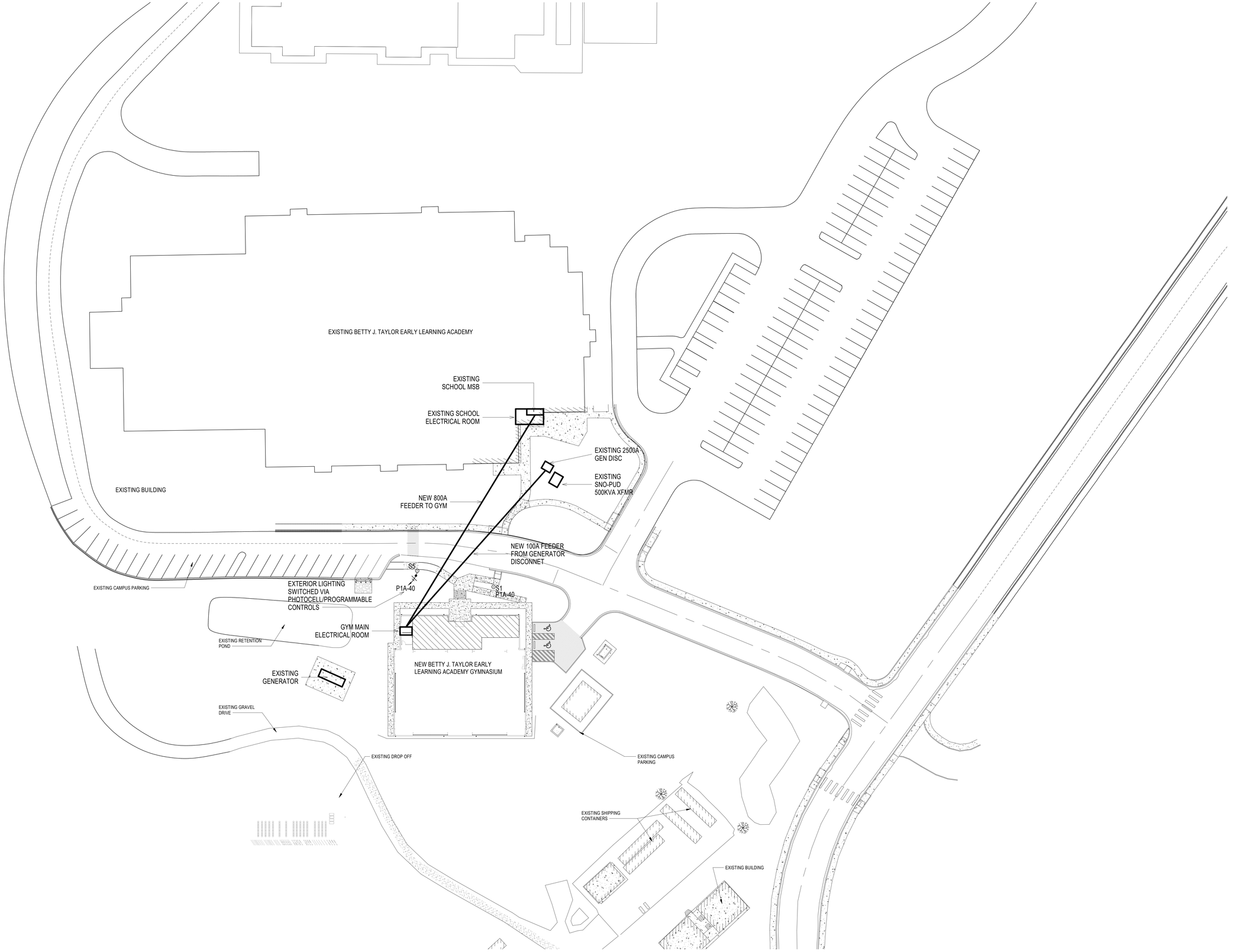
ISSUANCE

No.	Description	Date
1	CODE REV	8-25-26
2	BLDG PERMIT REV	10-23-26

PROJECT INFORMATION
PROJECT NUMBER: 2017
PROJECT LEAD: Designer
DRAWN BY: Author

SHEET NO
E-0.00

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1 SITE PLAN
1" = 30'-0"

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5-11-27

TULALIP TRIBES
TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PHASE 2 BUILDING PERMIT SET
11-10-26

SITE PLAN

ISSUANCE

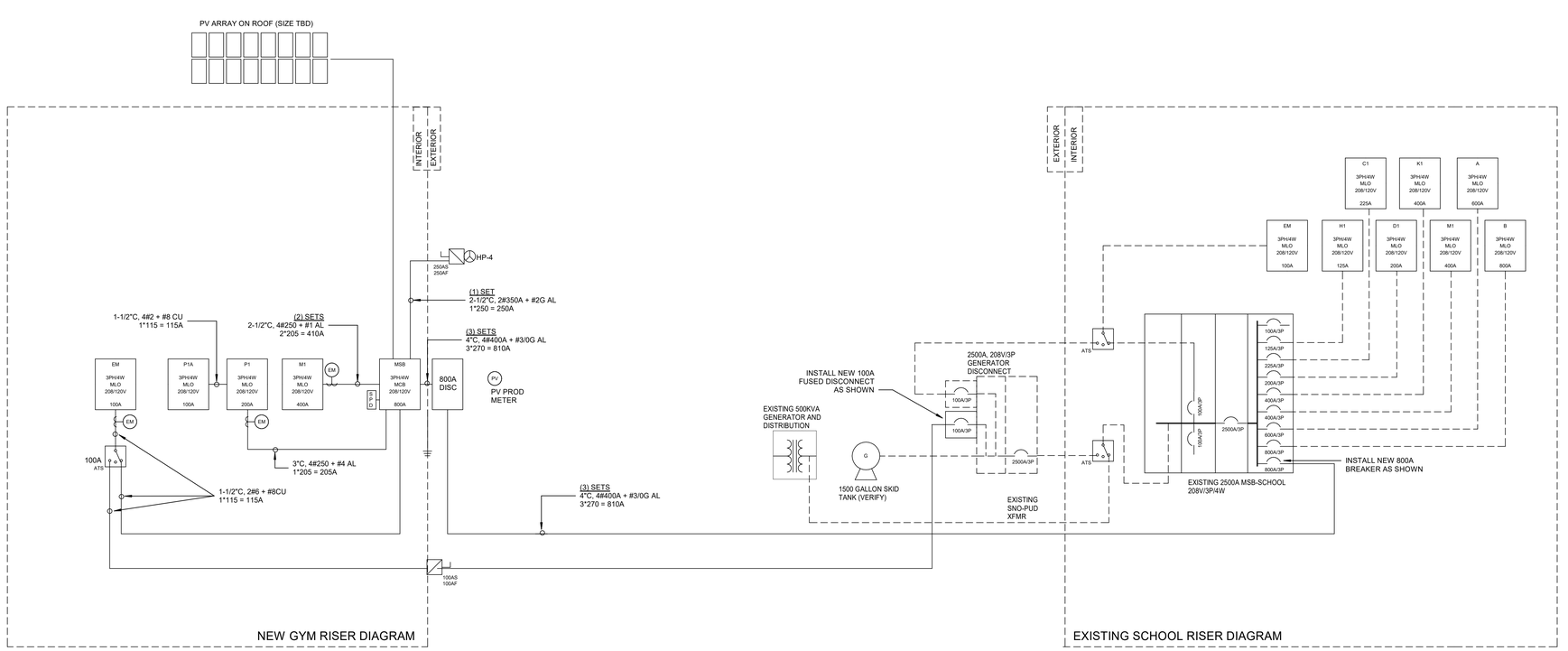
No.	Description	Date
2	BLDG PERMIT REV	10-23-26

PROJECT INFORMATION

PROJECT NUMBER:	2017
PROJECT LEAD:	Designer
DRAWN BY:	Author

SHEET NO
E-0.01

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1 GYM RISER DIAGRAM

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STATE OF WASHINGTON
PROFESSIONAL ENGINEER
5-11-27

TULALIP TRIBES
TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PHASE 2 BUILDING PERMIT SET 11-10-26

ONE-LINE DIAGRAM

ISSUANCE

No.	Description	Date
2	BLDG PERMIT REV	10-23-26

PROJECT INFORMATION

PROJECT NUMBER:	2017
PROJECT LEAD:	Designer
DRAWN BY:	Author

SHEET NO

E-1.01

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Tulalip Gym Panels

PANEL NAME: EXIST 2500A SCHOOL MSB
LOCATION: ELECTRICAL ROOM
FED FROM: ENCAPSULD

VOLTS	208Y/120	MLO	Y	DBL LUG	
PHASE	3	MAIN CB	Y	FEED THRU	
WIRE	4	200% NEU	N	TOP FEED	OPT
BUS AMPS	2500	EQUIP GND	Y	BTM FEED	OPT
BUS TYPE	AI	ISO GND	Y	SURFACE	Y
KAIC SYM				FLUSH	

NOTES:

CONN. LOAD	
TYPE	KVA
Receptacles	7.6
Lighting	13.7
Heating	51.0
Cooling	0.0
Other Motors	92.0
Kitchen Equip	0.0
Misc	346.7
Largest Motor	77.4
Elevators	0.0
EV-Charging	0.0
KVA	511.0
AMPS	1419.5

DEMAND LOAD		
Factor:	KVA	
50%>10 KVA	7.6	
125%	17.1	
100%	51.0	
0%	0.0	
100%	92.0	
65%	0.0	
100%	346.7	
25%	19.4	
100%	0.0	
125%	0.0	
	533.8	
	1482.7	

CODE REF.
220.14(H)(I), 220.44
215.2, 210.20(A)
220.51, 220.60
220.60
220.14, 430.24
220.56
220.10
430.24
620.14
625.42

CKT	BRANCH CIRCUIT DESCRIPTION		PH	AMP	POLE	LOAD KVA	REC	LTG	HEAT	COOL	OTHER MOTOR	KIT	MISC	LARGE MOTOR	ELEV	EV CHARGE
1	EXIST PANEL	EM	3	100	3	290.0	7.56	13.66	51.00	0.00	92.03	0.00	56.75	77.40	0.00	0.00
2	EXIST PANEL	H1	3	125	3	0.0										
3	EXIST PANEL	A	3	600	3	0.0										
4	EXIST PANEL	B	3	800	3	0.0										
5	EXIST PANEL	C1	3	225	3	0.0										
6	EXIST PANEL	D1	3	200	3	0.0										
7	EXIST PANEL	M1	3	400	3	0.0										
8	EXIST PANEL	K1	3	400	3	0.0										
9	NEW PANEL	MSB GYM	3	800	3	221.0										
10			3													

290.00

EXISTING GYM MSB	
2026 SNOPUD DEMAND METERING	
MONTH	KW PEAK DEMAND
JAN	206.4
FEB	261.6
MARCH	206.4
APRIL	232
MAY	181.2
JUNE	169.2
JULY	158.4
AUGUST	178.8
SEPTEMBER	164.4
OCTOBER	198
NOVEMEBER	164
DECEMBER	187.2
PEAK	**232**
*** 125% (NEC)**	**290**

GERBER ENGINEERING, INC.
307 THIRD AVENUE S, STE 510
SEATTLE, WA 98104
(206) 405-3510

SUB-FEED PANEL:

SUBTOTALS:	7.6	13.7	51.0	0.0	92.0	0.0	346.7	77.4	0.0	0.0
TOTALS:	7.6	13.7	51.0	0.0	92.0	0.0	346.7	77.4	0.0	0.0

11/6/2026

EXIST 2500A SCHOOL MSB

Tulalip Gym Panels

PANEL NAME: MSB GYM
LOCATION: ELECTRICAL ROOM
FED FROM: ENCAPSULD

VOLTS	208Y/120	MLO	Y	DBL LUG	
PHASE	3	MAIN CB	Y	FEED THRU	
WIRE	4	200% NEU	Y	TOP FEED	OPT
BUS AMPS	800	EQUIP GND	Y	BTM FEED	OPT
BUS TYPE	AI	ISO GND	Y	SURFACE	Y
KAIC SYM				FLUSH	

NOTES:

CONN. LOAD	
TYPE	KVA
Receptacles	7.6
Lighting	13.7
Heating	51.0
Cooling	0.0
Other Motors	92.0
Kitchen Equip	0.0
Misc	56.7
Largest Motor	77.4
Elevators	0.0
EV-Charging	0.0
KVA	221.0
AMPS	613.9

DEMAND LOAD		
Factor:	KVA	
50%>10 KVA	7.6	
125%	17.1	
100%	51.0	
0%	0.0	
100%	92.0	
65%	0.0	
100%	56.7	
25%	19.4	
100%	0.0	
125%	0.0	
	243.8	
	677.1	

CODE REF.
220.14(H)(I), 220.44
215.2, 210.20(A)
220.51, 220.60
220.60
220.14, 430.24
220.56
220.10
430.24
620.14
625.42

CKT	BRANCH CIRCUIT DESCRIPTION		PH	AMP	POLE	LOAD KVA	REC	LTG	HEAT	COOL	OTHER MOTOR	KIT	MISC	LARGE MOTOR	ELEV	EV CHARGE
1			A													
3	PANEL	P1	B	200	3	61.7	7.20	7.86	0.00	0.00	0.00	0.00	46.65	0.00	0.00	0.00
5			C													
7			A													
9	PANEL	M1	B	400	3	49.6	0.00	0.00	15.00	0.00	25.03	0.00	9.60	0.00	0.00	0.00
11			C													
13			A													
15	PANEL WA ATS	EM	B	100	3	32.2	0.36	5.79	0.00	0.00	25.59	0.00	0.50	0.00	0.00	0.00
17			C													
19			A													
21		SPARE	B	200	3	0.0										
23			C													
25			A													
27	215MCA	HP-4	B	250	3	77.4			36.00		41.40			77.40		
29	250MOCP		C													
31			A													
33	FUTURE	PV DISC	B	100	3	0.0										
35			C													
37			A													
39		SPD	B	30	3	0.0										
41			C													
2			A			0.0										
4			B			0.0										
6			C			0.0										
8			A			0.0										
10			B			0.0										
12			C			0.0										
14			A			0.0										
16			B			0.0										
18			C			0.0										
20			A			0.0										
22			B			0.0										
24			C			0.0										
26			A			0.0										
28			B			0.0										
30			C			0.0										
32			A			0.0										
34			B			0.0										
36			C			0.0										
38			A			0.0										
40			B			0.0										
42			C			0.0										

GERBER ENGINEERING, INC.
307 THIRD AVENUE S, STE 510
SEATTLE, WA 98104
(206) 405-3510

SUB-FEED PANEL:

SUBTOTALS:	7.6	13.7	51.0	0.0	92.0	0.0	56.7	77.4	0.0	0.0
TOTALS:	7.6	13.7	51.0	0.0	92.0	0.0	56.7	77.4	0.0	0.0

11/6/2026

MSB GYM

Tulalip Gym Panels

PANEL NAME: P1
LOCATION: ELECTRICAL ROOM
FED FROM: MSB GYM

VOLTS	208Y/120	MLO	Y	DBL LUG	
PHASE	3	MAIN CB	Y	FEED THRU	
WIRE	4	200% NEU	Y	TOP FEED	
BUS AMPS	200	EQUIP GND	Y	BTM FEED	
BUS TYPE	AI	ISO GND	Y	SURFACE	
KAIC SYM				FLUSH	

NOTES:
PROVIDE BRANCH CIRCUIT METERING FOR ALL LIGHTING CIRCUITS

CONN. LOAD	
TYPE	KVA
Receptacles	7.2
Lighting	7.9
Heating	0.0
Cooling	0.0
Other Motors	0.0
Kitchen Equip	0.0
Misc	46.6
Largest Motor	0.0
Elevators	0.0
EV-Charging	0.0
KVA	61.7
AMPS	171.4

DEMAND LOAD		
Factor:	KVA	
50%>10 KVA	7.2	
125%	9.8	
100%	0.0	
0%	0.0	
100%	0.0	
65%	0.0	
100%	46.6	
25%	0.0	
100%	0.0	
125%	0.0	
	63.7	
	177.0	

CODE REF.
220.14(H)(I), 220.44
215.2, 210.20(A)
220.51, 220.60
220.60
220.14, 430.24
220.56
220.10
430.24
620.14
625.42

CKT	BRANCH CIRCUIT DESCRIPTION	PH	AMP	POLE	LOAD KVA	REC	LTG	HEAT	COOL	OTHER MOTOR	KIT	MISC	LARGE MOTOR	ELEV	EV CHARGE
1	RECEPTACLES STORAGE	A	20	1	0.2	0.18									
3	RECEPTACLES WOMENS RR	B	20	1	0.5	0.54									
5	RECEPTACLES LOBBY	C	20	1	1.1	1.08									
7	RECEPTACLES MENS RR	A	20	1	0.4	0.36									
9	RECEPTACLES JANITOR	B	20	1	0.2	0.18									
11	RECEPTACLES STORAGE	C	20	1	0.2	0.18									
13	RECEPTACLES IT	A	20	1	1.5							1.50			
15	RECEPTACLES IT	B	20	1	1.5							1.50			
17	RECEPTACLES IT	C	20	1	1.5							1.50			
19	RECEPTACLES SPRINKLER/ELEC RM	A	20	1	0.4	0.36									
21	RECEPTACLES MECH ROOM	B	20	1	0.2	0.18									
23	RECEPTACLES MULTI USE	C	20	1	0.9	0.90									
25	SPARE	A	20	1	0.0										
27	SPARE	B	20	1	0.0										
29	SPARE	C	20	1	0.0										
31	DOOR HARDWARE	A	20	1	0.1							0.10			
33	SECURITY	B	20	1	0.0										
35	MECH MAINT	C	20	1	0.0										
37		A													
39	P1A	B	100	3	31.7	0.00	4.00	0.00	0.00	0.00	0.00	27.73	0.00	0.00	0.00
41		C													
2	SPARE	A	20	1	0.0										
4	RECEPTACLES BACKBOARD LIFT	B	20	1	1.0							1.00			
6	RECEPTACLES BACKBOARD LIFT	C	20	1	1.0							1.00			
8	RECEPTACLES BACKBOARD LIFT	A	20	1	1.0							1.00			
10	RECEPTACLES BACKBOARD LIFT	B	20	1	1.0							1.00			
12	RECEPTACLES BACKBOARD LIFT	C	20	1	1.0							1.00			
14	RECEPTACLES BACKBOARD LIFT	A	20	1	1.0							1.00			
16	RECEPTACLES GYM	B	20	1	1.1	1.08									
18	RECEPTACLES GYM	C	20	1	1.1	1.08									
20	RECEPTACLES EXTERIOR	A	20	1	0.5	0.54									
22	RECEPTACLES EXTERIOR	B	20	1	0.5	0.54									
24	SPARE	C	20	1	0.0										
26	3.14.5 FOR EV CHARGER	A	2	2	8.3							8.32			
28		B			0.0										
30	SPARE	C	20	1	0.0										
32	LIGHTING PHASE 1- GYM	A	20	1	1.6		1.57								
34	LIGHTING PHASE 1- RR/ VEST/ MISC	B	20	1	0.7		0.73								
36	LIGHTING PHASE 1- GYM	C	20	1	1.6		1.57								
38	SPARE	A	20	1	0.0										
40	SPARE	B	20	1	0.0										
42	SPARE	C	20	1	0.0										

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(206) 405-3510

SUB-FEED PANEL:

SUBTOTALS:	7.2	7.9	0.0	0.0	0.0	0.0	46.6	0.0	0.0	0.0
TOTALS:	7.2	7.9	0.0	0.0	0.0	0.0	46.6	0.0	0.0	0.0

11/6/2026

P1

Tulalip Gym Panels

PANEL NAME: P1A
LOCATION: ELECTRICAL ROOM
FED FROM: MSB GYM

VOLTS	208Y/120	MLO	Y	DBL LUG	
PHASE	3	MAIN CB	Y	FEED THRU	
WIRE	4	200% NEU	Y	TOP FEED	
BUS AMPS	100	EQUIP GND	Y	BTM FEED	
BUS TYPE	AI	ISO GND	Y	SURFACE	
KAIC SYM				FLUSH	

NOTES:

CONN. LOAD	
TYPE	KVA
Receptacles	4.0
Lighting	0.0
Heating	0.0
Cooling	0.0
Other Motors	0.0
Kitchen Equip	0.0
Misc	27.7
Largest Motor	0.0
Elevators	0.0
EV-Charging	0.0
KVA	31.7
AMPS	88.1

DEMAND LOAD		
Factor:	KVA	
50%>10 KVA	4.0	
125%	0.0	
100%	0.0	
0%	0.0	
100%	0.0	
65%	0.0	
100%	27.7	
25%	0.0	
100%	0.0	
125%	0.0	
	32.7	
	90.8	

CODE REF.
220.14(H)(I), 220.44
215.2, 210.20(A)
220.51, 220.60
220.60
220.14, 430.24
220.56
220.10
430.24
620.14
625.42

CKT	BRANCH CIRCUIT DESCRIPTION		PH	AMP	POLE	LOAD KVA	REC	LTG	HEAT	COOL	OTHER MOTOR	KIT	MISC	LARGE MOTOR	ELEV	EV CHARGE
1			A			6.67					6.66					
3		ST1-CKT 1	B	40	2	0.0										
5	SCOREBOARD		C			6.67					6.66					
7	ST1	ST1-CKT 2	A	40	2	0.0										
9			B			6.67					6.66					
11		ST1-CKT 3	C	40	2	0.0										
13	SCOREBOARD		A			2.5					2.50					
15	ST2	ST2-CKT 1	B	20	2	0.0										
17		SPARE	C	20	1	0.0										
19	SCOREBOARD		A			1.67					1.66					
21	ST3	ST3-CKT 1	B	20	2	0.0										
23		SPARE	C	20	1	0.0										
25	SCORE TABLE	ST4-CKT 1	A	20	1	0.6					0.60					
27	ST4	ST4-CKT 2	B	20	1	0.6					0.60					
29		SPARE	C	20	1	0.0										
31	SHOT CLOCK	ST5-CKT 1	A	20	1	0.6					0.60					
33	ST5-1	ST5-CKT 2	B	20	1	0.6					0.60					
35		SPARE	C	20	1	0.0										
37	SHOT CLOCK	ST5-CKT 1	A	20	1	0.6					0.60					
39	ST5-1	ST5-CKT 2	B	20	1	0.6					0.60					
41		SPARE	C	20	1	0.0										
2		ST6-CKT 1	A	20	1	0.5	0.50									
4	SB LIGHTS ST6	ST6-CKT 2	B	20	1	0.5	0.50									
6		SPARE	C	20	1	0.0										
8		SPARE	A	20	1	0.0										
10		SPARE	B	20	1	0.0										
12		SPARE	C	20	1	0.0										
14		SPARE	A	20	1	0.0										
16		SPARE	B	20	1	0.0										
18		SPARE	C	20	1	0.0										
20		SPARE	A	20	1	0.0										
22		SPARE	B	20	1	0.0										
24		SPARE	C	20	1	0.0										
26		SPARE	A	20	1	0.0										
28		SPARE	B	20	1	0.0										
30		SPARE	C	20	1	0.0										
32		SPARE	A	20	1	0.0										
34		SPARE	B	20	1	0.0										
36		SPARE	C	20	1	0.0										
38		SPARE	A	20	1	0.0										
40	EXTERIOR	SITE LTG POLES	B	20	1	1.4	1.40									
42	EXTERIOR	SITE LTG WALL	C	20	1	1.6	1.60									

GERBER ENGINEERING, INC.
307 THIRD AVENUE S, STE 510
SEATTLE, WA 98104
(206) 405-3510

SUB-FEED PANEL:

SUBTOTALS:	0.0	4.0	0.0	0.0	0.0	0.0	27.7	0.0	0.0	0.0
TOTALS:	0.0	4.0	0.0	0.0	0.0	0.0	27.7	0.0	0.0	0.0

11/6/2026

P1A

Tulalip Gym Panels

PANEL NAME: M1
LOCATION: ELECTRICAL ROOM
FED FROM: MSB GYM

VOLTS	208Y/120	MLO	Y	DBL LUG	
PHASE	3	MAIN CB	Y	FEED THRU	
WIRE	4	200% NEU	N	TOP FEED	OPT
BUS AMPS	400	EQUIP GND	Y	BTM FEED	OPT
BUS TYPE	AI	ISO GND	Y	SURFACE	Y
KAIC SYM				FLUSH	

NOTES:
EUH-01/02/03/04 UNIT HEATERS ARE PHASE 1 SHELL FEEZE PROTECTION ONLY
THESE UNITS WOULD BE REMOVED FOR FULL PHASE 2 BUILD OUT. 45KW
TOTAL LOAD REMOVE FROM LOAD CALCS

CONN. LOAD	
TYPE	KVA
Receptacles	0.0
Lighting	0.0
Heating	15.0
Cooling	0.0
Other Motors	25.0
Kitchen Equip	0.0
Misc	9.6
Largest Motor	0.0
Elevators	0.0
EV-Charging	0.0
KVA	49.6
AMPS	137.8

DEMAND LOAD		
Factor:	KVA	
50%>10 KVA	0.0	
125%	0.0	
100%	15.0	
0%	0.0	
100%	25.0	
65%	0.0	
100%	9.6	
25%	0.0	
100%	0.0	
125%	0.0	
	49.6	
	137.8	

CODE REF.
220.14(H)(I), 220.44
215.2, 210.20(A)
220.51, 220.60
220.60
220.14, 430.24
220.56
220.10
430.24
620.14
625.42

CKT	BRANCH CIRCUIT DESCRIPTION		PH	AMP	POLE	LOAD KVA	REC	LTG	HEAT	COOL	OTHER MOTOR	KIT	MISC	LARGE MOTOR	ELEV	EV CHARGE
1			A			0.0			0.00							
3	15KW	EUH-01 (REMOVED FOR PHASE 2 BUILDOUT)	B	30	3	0.0										
5			C			0.0										
7			A			0.0			0.00							
9	15KW	EUH-02 (REMOVED FOR PHASE 2 BUILDOUT)	B	30	3	0.0										
11			C			0.0										
13			A			0.0			0.00							
15	15KW	EUH-03 (REMOVED FOR PHASE 2 BUILDOUT)	B	30	3	0.0										
17			C			0.0										
19			A			0.0			0.00							
21	15KW	EUH-04 (REMOVED FOR PHASE 2 BUILDOUT)	B	30	3	0.0										
23			C			0.0										
25	5K5	EH-01 (SPRINKLER)	A	20	2	5.0			5.00							
27			B			0.0										
29	5K5	EH-04 (BATHROOM)	C	20	2	5.0			5.00							
31			A			0.0										
33		SPARE	B			0.0										
35		SPARE	C			0.0										
37	5HP	EF-02	A	30	3	6.0					6.01					
39			B			0.0										
41			C			0.0										
2		EF-01	A	20	1	0.1					0.10					
4		MOTOR DAMPERS	B	20	1	0.0										
6		SPARE	C	20	1	0.0										
8	10MCA 15MOCP	HP-1	A	15	2	2.1					2.08					
10			B			0.0										
12	10MCA 15MOCP	HP-2	C	15	2	2.1					2.08					
14			A			0.0										
16	45MCA 80MOCP	HP-3	B	80	2	9.4					9.36					
18			C			0.0										
20	9.6KW	WATER HEATER	A	60	2	9.6							9.60			
22			B			0.0										
24		FCU-03	C	50	2	10.4			5.00		5.40					
26			A			0.0										
28		SPARE	B	20	1	0.0										
30		SPARE	C	20	1	0.0										
32		SPARE	A	20	1	0.0										
34		SPARE	B	20	1	0.0										
36		SPARE	C	20	1	0.0										
38		SPARE	A	20	1	0.0										
40		SPARE	B	20	1	0.0										
42		SPARE	C	20	1	0.0										

GERBER ENGINEERING, INC.
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SUB-FEED PANEL:

SUBTOTALS:	0.0	0.0	15.0	0.0	25.0	0.0	9.6	0.0	0.0	0.0
TOTALS:	0.0	0.0	15.0	0.0	25.0	0.0	9.6	0.0	0.0	0.0

11/6/2026

M1

Tulalip Gym Panels

PANEL NAME: EM
LOCATION: ELECTRICAL ROOM
FED FROM: MSB GYM

VOLTS	208Y/120	MLO	Y	DBL LUG	
PHASE	3	MAIN CB	Y	FEED THRU	
WIRE	4	200% NEU	Y	TOP FEED	
BUS AMPS	100	EQUIP GND	Y	BTM FEED	
BUS TYPE	AI	ISO GND		SURFACE	
KAIC SYM				FLUSH	

NOTES:

CONN. LOAD	
TYPE	KVA
Receptacles	0.4
Lighting	5.8
Heating	0.0
Cooling	0.0
Other Motors	25.6
Kitchen Equip	0.0
Misc	0.5
Largest Motor	0.0
Elevators	0.0
EV-Charging	0.0
KVA	32.2
AMPS	89.6

DEMAND LOAD		
Factor:	KVA	
50%>10 KVA	0.4	
125%	7.2	
100%	0.0	
0%	0.0	
100%	25.6	
65%	0.0	
100%	0.5	
25%	0.0	
100%	0.0	
125%	0.0	
	33.7	
	93.8	

CODE REF.
220.14(H)(I), 220.44
215.2, 210.20(A)
220.51, 220.60
220.60
220.14, 430.24
220.56
220.10
430.24
620.14
625.42

CKT	BRANCH CIRCUIT DESCRIPTION		PH	AMP	POLE	LOAD KVA	REC	LTG	HEAT	COOL	OTHER MOTOR	KIT	MISC	LARGE MOTOR	ELEV	EV CHARGE
1	LTG- PH1 & PH2	EGRESS EXIT	A	20	1	1.0		0.99								
3	LIGHTING	INTERIOR	B	20	1	1.2		1.20								
5	LIGHTING	INTERIOR	C	20	1	1.2		1.20								
7	LIGHTING	INTERIOR	A	20	1	1.2		1.20								
9	LIGHTING	INTERIOR- EGRESS	B	20	1	1.2		1.20								
11		SPARE	C	20	1	0.0										
13		SPARE	A	20	1	0.0										
15		SPARE	B	20	1	0.0										
17		SPARE	C	20	1	0.0										
19			A			25.6							25.59			
21	10HP	FIRE PUMP	B	40	3	0.0										
23			C			0.0										
25																
27																
29																
31																
33																
35																
37																
39																
41																
2	RECEPTACLES	DOOR HARDWARE	A	20	1	0.5							0.50			
4	RECEPTACLES	SECURITY	B	20	1	0.2	0.18									
6	RECEPTACLES	ELECT ROOM	C	20	1	0.2	0.18									
8	RECEPTACLES	IT CLOSET	A	20	1	0.0										
10		SPARE	B	20	1	0.0										
12		SPARE	C	20	1	0.0										
14		SPARE	A	20	1	0.0										
16		SPARE	B	20	1	0.0										
18		SPARE	C	20	1	0.0										
20		SPARE	A	20	1	0.0										
22		SPARE	B	20	1	0.0										
24		SPARE	C	20	1	0.0										
26																
28																
30																
32											

Exterior Lighting — LTG-EXT

2015 Washington State Energy Code Compliance Forms for Commercial Buildings including R2, R3, R4 over 3 stories and all R1 — Revised August 2016

Project Title:	TELA Gym	Date	11/10/2026
Exterior Lighting Zone *Table C405.5.2(1) Specified by jurisdiction.*	○ Zone 1 ◉ Zone 2 ○ Zone 3 ○ Zone 4 *Zone selection required to enable LTG-EXT form*	For Building Department Use	
Calculation Area	◉ ○ Addition - stand alone ○ Addition + existing ○ Alteration with < 50% ext. wattage replaced ○ Alteration with ≥ 50% ext. wattage replaced		
Building Grounds *Applies to luminaires > 100 Watts*	☐ Efficacy > 80 lumens/watt ☐ Exemption _____ ☐ Controlled by motion sensor		

Tradable Maximum Allowed Lighting Wattage NOTE 1

Base Site Allowance: 600

Tradable Surfaces	Surface Description	Area (ft²), perimeter (lf) or # of items	Allowed Watts per ft² or per lf	Allowed Watts x ft² (or x lf)
Grounds Walkways >10' wide	PATH/RAMP FROM PARKING TO GYM	18240	0.14 W/ft2	2554

Total Allowed Tradable + Site Allowance Watts: **3154**

Tradable Proposed Lighting Wattage NOTE 2

Tradable Surface	Fixture Description NOTE 3, 4	Number of Fixtures	Watts per Fixture NOTE 5	Watts Proposed
Grounds Walkways >10' wide	S1 POLE	1	73	73
Grounds Walkways >10' wide	S5 POLE	1	73	73

Total proposed tradable watts may not exceed the sum of total allowed tradable watts plus the base site allowance. Any base site allowance not needed to make tradable watts comply can be applied to individual non-tradable categories.

Total Proposed Tradable Watts: **146**

Non-Tradable Maximum Allowed Lighting Wattage NOTE 1

Site Allowance Remaining: **600**

Non-Tradable Surfaces	Surface Description	Area (ft²), perimeter (lf) or # of items	Allowed Watts per ft² or per lf	Allowed Watts x ft² (or x lf)
Bldg. Façade	FAÇADE	419	0.1 W/ft2	42

Non-Tradable Proposed Lighting Wattage NOTE 2

Non-Tradable Surface	Fixture Description NOTE 3, 4	Number of Fixtures	Watts per Fixture NOTE 5	Watts Proposed
Bldg. Façade	WP1E WALL PACK	10	25	250
Bldg. Façade	WS1 WALL PACK	2	28	56

Non-tradable proposed watts may not exceed allowed watts for any individual surface unless the total excess watts for all non-tradable surfaces are less than the remaining site allowance.

Non-Tradable Watts Exceeding LPA: **264**

Remaining Site Allowance: **336**

Exterior Lighting — COMPLIES WITH MAX. ALLOWANCE

Note 1 *- List all unique exterior sufaces per Table C405.5.2(2) that occur in the project scope. Select exterior surface categories from drop down menu.*
Note 2 *- List all proposed lighting fixtures including existing-to-remain fixtures.*
Note 3 *- For proposed Fixture Description, indicate fixture type, lamp type, number of lamps in the fixture, and ballast type (if applicable).*
Note 4 *- Existing-to-remain fixtures shall be included in the Tradable and Non-Tradable Proposed Lighting Wattage tables in the same manner as new fixtures. Identify as existing in fixture description.*
Note 5 *- For proposed Watts/Fixture enter the luminaire wattage for installed lamp and ballast using manufacturer or other approved source. For luminaires with screw-in lamps, enter the manufacturer's listed maximum input wattage of the fixture (not the lamp wattage). For low voltage lighting, enter the wattage of the transformer.*

1

NOTE COMPLIANCE WITH C406.3 REDUCED INTERIOR LIGHTING POWER

Interior Lighting - Building Area Method — LTG-INT-BLD

2015 Washington State Energy Code Compliance Forms for Commercial Buildings including R2, R3, R4 over 3 stories and all R1 — Revised August 2016

Project Title:	TELA Gym	Date	11/10/2026
Calculation Area NOTE 8	◉ ○ Addition - stand alone ○ Addition + existing ○ Spaces where < 50% of luminaires are replaced ○ Spaces where ≥ 50% of luminaires are replaced	For Building Department Use	
LPA Calculation Type	○ Standard ◉ Additional Efficiency Package Option C406.3 Reduced Interior Lighting Power ○ *To comply with C406.3, the Proposed LPD shall be 25% lower than the Target LPA. Refer to C406.3 for additional requirements.*		

Maximum Allowed Lighting Wattage NOTE 1

Building Area	Location (plan #, room #, or ALL)	Area Description	Gross Interior Area in ft²	Allowed Watts per ft²	Watts Allowed (watts/ft² x area)
Exercise center	Level 1	Gym	10000	0.67	6700
			Total	10000	

Proposed Lighting Wattage

Building Area	Location (plan #, room #)	Fixture Description NOTE 2, 3, 4, 5	Number of Fixtures	Watts per Fixture NOTE 6	Watts Proposed
Exercise center	LEVEL 1	F1	20	174	3488
Exercise center	LEVEL 1	C1	9	22	199
Exercise center	LEVEL 1	D1	15	15	228
Exercise center	LEVEL 1	L18	2	90	180
Exercise center	LEVEL 1	PL10	4	90	360
Exercise center	LEVEL 1	L1	6	50	300

Compliance by Building Area NOTE 7

Building Area	Warnings	Total Allowed Watts	Total Proposed Watts	Interior Lighting Power Allowance
Exercise center		6700	4755	COMPLIES C406.3

Totals: 6700 | 4755

Note 1 - List all unique building areas per Table C405.4.2(1) that occur in the project scope. Select building area category from drop down menu.
Note 2 - Proposed fixtures must be listed in the building area in which they occur. List all proposed lighting fixtures including exempt lighting equipment and existing-to-remain fixtures.
Note 3 - For proposed Fixture Description, indicate fixture type, lamp type (e.g. T-8), number of lamps in the fixture, and ballast type (if included). For track lighting, list the length of the track (in feet) in addition to the fixture, lamp, and ballast information.
Note 4 - For lighting equipment eligible for exemption per C405.4.1, note exception number and leave Watts/Fixture blank.
Note 5 - Existing-to-remain fixtures shall be included in the Proposed Lighting Wattage table in the same manner as new fixtures. Identify as existing in fixture description.
Note 6 - For proposed Watts/Fixture enter the luminaire wattage for installed lamp and ballast using manufacturer or other approved source. For luminaires with screw-in lamps, enter the manufacturer's listed maximum input wattage of the fixture (not the lamp wattage). For low voltage lighting, enter the wattage of the transformer. For line voltage track/busway systems, enter the larger of the attached luminaire wattage or 50 watts/lineal foot, or enter the wattage limit of permanent current limiting device.
Note 7 - Proposed Wattage for each Building Area type shall not exceed the Allowed Wattage for that Building Area type. Trading wattage between Building Area types is not allowed under the Building Area Method compliance path.
Note 8 - Calculation Area Details:
a. Lighting fixtures in a building addition may comply as a stand alone project, or they may be combined with the overall existing building lighting systems to demonstrate compliance. Refer to C502.1.
b. For alterations and building additions, provide Building Area types and gross interior areas in the Maximum Allowed Lighting Wattage table. If a building addition will comply as combined with the overall existing building lighting systems, include all applicable existing Building Area types and gross interior areas.

1

Luminaire Schedule

Symbol	Qty	Label	LLF	Lum. Lumens	Lum. Watts	Description	[MANUFAC]
	5	C1	0.900	2011	22.12	LDN4CYL 40_20 L04AR LSS	Lithonia Lighting
	2	C1E	0.900	2011	22.12	LDN4CYL 40_20 L04AR LSS Generator	Lithonia Lighting
	10	D1	0.900	1398	15.2	JSF 11IN 13LM 40K 90CRI MVOLT ZT WH	Juno Lighting
	3	D1E	0.900	1398	15.2	JSF 11IN 13LM 40K 90CRI MVOLT ZT WH Generator	Juno Lighting
	18	F1	0.900	23616	174.41	CPHB 24000LM SEF GCL MD 40K 80CRI WGX	Lithonia Lighting
	2	F1E	0.900	23616	174.41	CPHB 24000LM SEF GCL MD 40K 80CRI WGX Generator	Lithonia Lighting
	1	L18	0.900	N.A.	N.A.	LPX1-18FT-DIRECT-350-80-4000-0_75in-REGRESS	ALW
	1	L19	0.900	N.A.	N.A.	LPX1-19FT-DIRECT-350-80-4000-0_75in-REGRESS	ALW
	1	L9	0.900	N.A.	N.A.	LPX1-9FT-DIRECT-350-80-4000-0_75in-REGRESS	ALW
	3	PL10	0.900	N.A.	N.A.	S2FTD 10FT 80CRI 40K 8001LMF DBW 1400LMF BW FLLC	Mark Architectural Lighting
	1	PL10E	0.900	N.A.	N.A.	S2FTD 10FT 80CRI 40K 8001LMF DBW 1400LMF BW FLLC Generator	Mark Architectural Lighting
	6	S1	0.900	3956	23.5429	CLX L48 4000LM SEF FDL MVOLT 40K 80CRI	Lithonia Lighting

Luminaire Schedule

Symbol	Qty	Label	LLF	Lum. Lumens	Lum. Watts	Description	[MANUFAC]
	2	S1	0.900	9843	72.95	HSX1 LED P2 40K R3	Lithonia Lighting
	10	WP1	0.900	2913	24.42	WPX1 LED P2 40K MVolt	Lithonia Lighting
	2	WS1	0.900	3099	28.038	546-2LED19-40K-24_	INDESSA LIGHTING

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Gerber Engineering, Inc.
Consulting Electrical Engineers

WALTER A. GERBER
STATE OF WASHINGTON
PROFESSIONAL ENGINEER
5-11-27

TULALIP TRIBES
TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PHASE 2 BUILDING PERMIT SET 11-10-26 LIGHTING SCHEDULES AND ENERGY CODE

ISSUANCE

No.	Description	Date
2	BLDG PERMIT REV	10-23-26

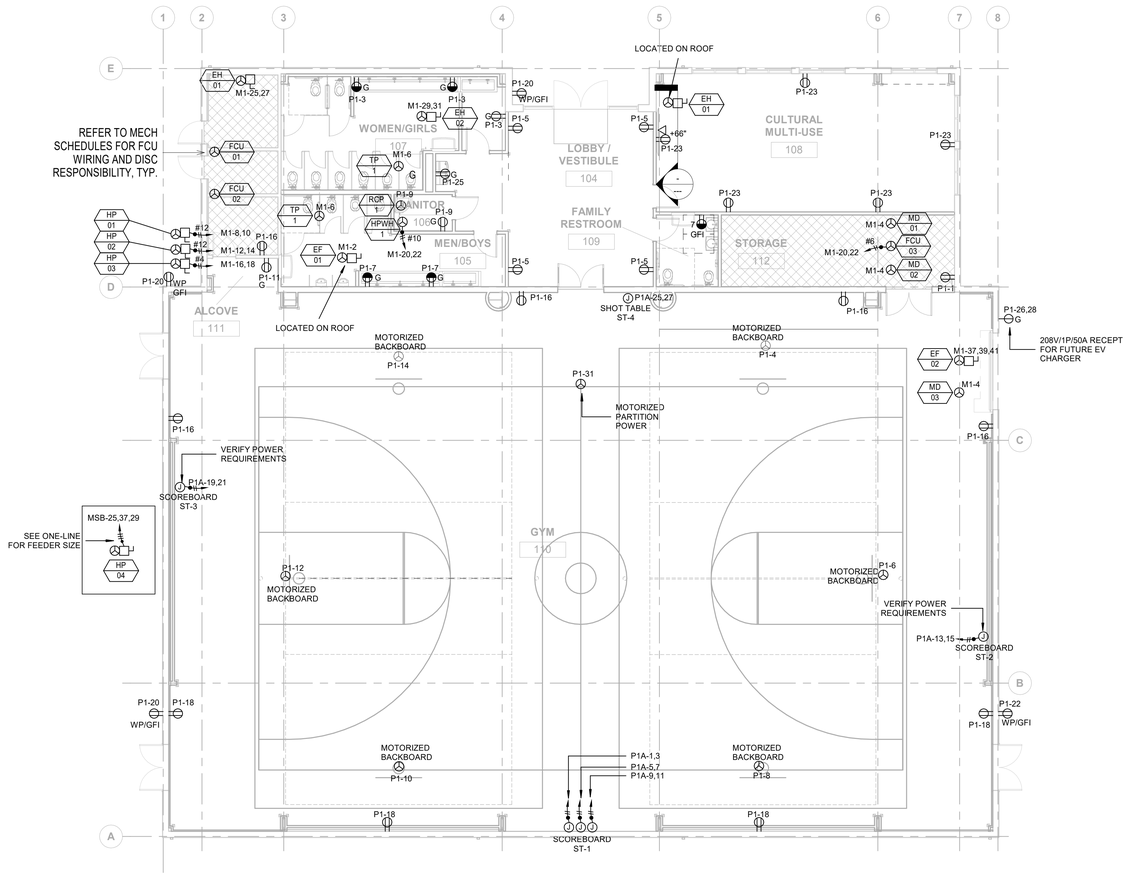
PROJECT INFORMATION

PROJECT NUMBER:	2017
PROJECT LEAD:	Designer
DRAWN BY:	Author

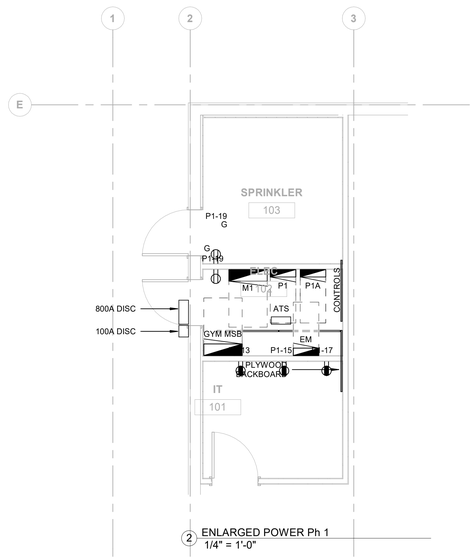
SHEET NO

E-1.03

11/10/2026 1:39:36 PM C:\Users\Marcus\Documents\2017 TULALIP GYM-ELEC-GERBER_R5-ALL_marcusb22BN.rvt



3 LEVEL 1 POWER PLAN Ph 2
1/8" = 1'-0"



2 ENLARGED POWER Ph 1
1/4" = 1'-0"

GENERAL NOTES POWER:

1. NOT ALL KEYNOTES ARE USED ON THIS SHEET.
2. HOME RUN AND J-BOX LOCATIONS ARE SHOWN AS DIAGRAMTIC. COORDINATE FINAL LOCATIONS TO BEST HIDE ABOVE ACCESSIBLE CEILINGS. MAINTAIN ACCESSIBILITY AROUND DUCT AND ANY OTHER CEILING ELEMENTS.
3. NEW OUTLETS THAT SHARE A WALL, BUT ARE FACING OPPOSITE SIDES TO BE IN SEPARATE STUD CAVITIES.
4. ALL HOME-RUNS ARE #10 AWG UNLESS OTHERWISE NOTED.
5. COORDINATE WITH AV, TELECOMM AND SECURITY DESIGN DRAWINGS FOR CABLE TRAY, LOW VOLTAGE PATHWAY AND ADDITIONAL DEVICE ROUGH-IN REQUIREMENTS.
6. DEVICES SHOWN SHALL BE MOUNTED AT +18" AFF UNLESS OTHERWISE NOTED. COORDINATE ALL MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
7. PROVIDE SPACE IN HOMERUNS FOR 25% FUTURE GROWTH.
8. COORDINATE COVER PLATE & SWITCH COLORS WITH ARCHITECT PRIOR TO ORDERING.
9. GENERAL USE HOUSEKEEPING RECEPTACLES SHALL BE SPACED AT APPROXIMATELY 40 FEET FOR CLEANING AND MAINTANANCE. MAX 8 RECEPTACLES PER CIRCUIT.
10. HOMERUNS SHOWN WITH SHARED NEUTRAL SHALL HAVE A MINIMUM OF #10AWG NEUTRAL. PROVIDE HANDLE TIES ACROSS ALL CIRCUITS WITH SHARED NEUTRALS PER NEC.
11. TABLE TOP RECEPTACLES BY OTHERS (FURNITURE VENDOR) VIA PLUG-STRIP PLUG-IN TO FLOOR POWER. ASSUME (6) DUPLEX RECEPTACLES ON MEDIUM AND LARGE TABLE TOPS; (4) DUPLEX RECEPTACLES ON SMALL TABLE TOPS.
12. WHERE POSSIBLE VERTICALLY ALIGN RECEPTACLES, LIGHTING CONTROLS, FIRE ALARM STROBES/HORNS AND THERMOSTATS THROUGHOUT.
13. POKE-THRU AND FLOORBOX LOCATIONS HAVE BEEN PLACED FOR INTENT ONLY. FINAL EXACT LOCATIONS TO BE COORDINATED WITH ARCHITECT AND OTHER CEILING SYSTEMS BELOW AND FURNITURE SYSTEMS.

POWER SYMBOLS LEGEND:

"WA1-5a" = FULLY CONTROLLED/SWITCHED VIA RELAY.

"WA1-5,5a" = SPLIT-WIRED, HALF CONTROLLED/SWITCHED. PULL ADDITIONAL SWITCHED HOT CONDUCTOR VIA REMOTE IN-CEILING RELAY.

G = GFCI PROTECTED RECEPTACLE.

- DUPLEX RECEPTACLE - STANDARD
- DUPLEX RECEPTACLE - ABOVE COUNTER
- DUPLEX RECEPTACLE - DEDICATED
- DUPLEX RECEPTACLE - SWITCHED/CONTROLLED
- DUPLEX RECEPTACLE - CEILING MOUNTED
- QUAD RECEPTACLE - STANDARD
- QUAD RECEPTACLE - ABOVE COUNTER
- QUAD RECEPTACLE - DEDICATED
- QUAD RECEPTACLE - SWITCHED/CONTROLLED
- QUAD RECEPTACLE - CEILING MOUNTED
- TV DUPLEX RECEPTACLE - TV
- J-BOX - SYMBOLIC, NOT ACTUAL LOCATION
- DATA SINGLE-GANG ROUGH-IN, CEILING MOUNTED
- DATA SINGLE-GANG ROUGH-IN
- A NEMA L6-20R (208V/1P/20A), #12 CONDUCTORS
- B NEMA L6-30R (208V/1P/30A), #10 CONDUCTORS
- C NEMA L5-20R (120V/1P/20A), #12 CONDUCTORS
- D NEMA L5-30R (120V/1P/30A), #10 CONDUCTORS
- E NEMA L21-20R (208V/3P/20A)
- F NEMA L21-30R (208V/3P/30A)
- G NEMA L15-60P (208V/3PH/60A), 4P-5W
- POWER POLE

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Gerber Engineering, Inc.
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WALTER A. GERBER STATE OF WASHINGTON PROFESSIONAL ENGINEER
5-11-27

TULALIP TRIBES TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PHASE 2 BUILDING PERMIT SET 11-10-26

LEVEL 1 POWER & MECH PLAN

ISSUANCE

No.	Description	Date
2	BLDG PERMIT REV	10-23-26

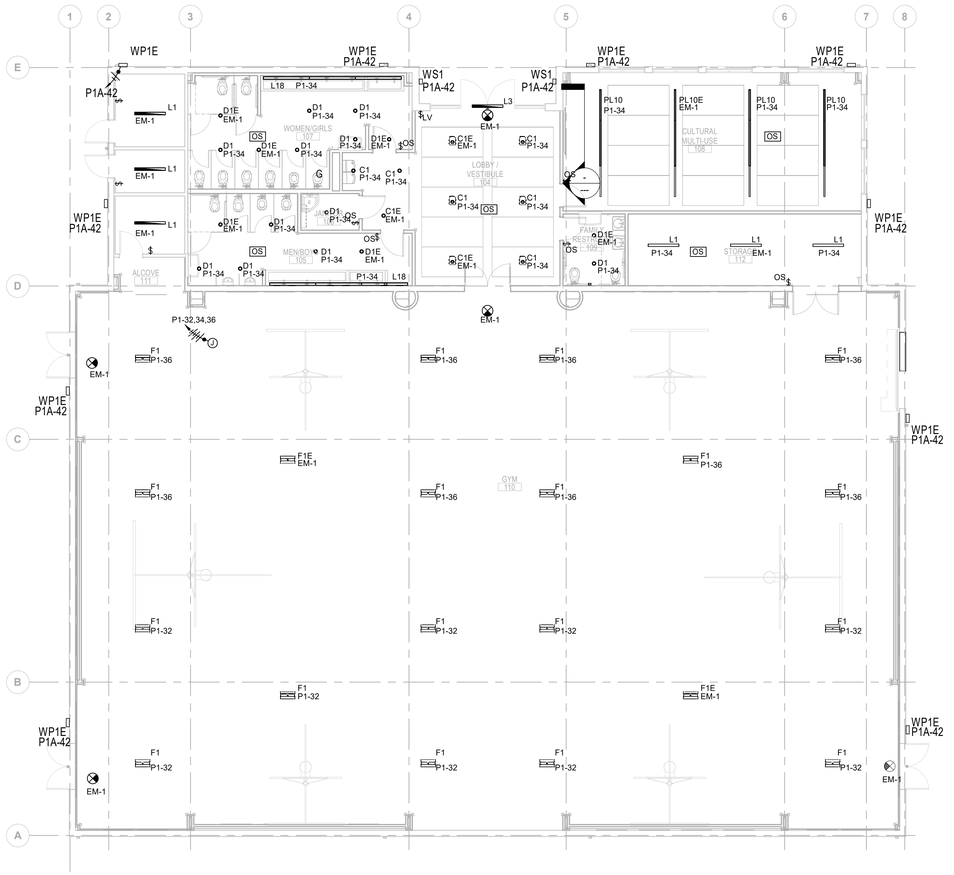
PROJECT INFORMATION

PROJECT NUMBER:	2017
PROJECT LEAD:	Designer
DRAWN BY:	Author

SHEET NO

E-2.01

11/10/2026 1:39:38 PM C:\Users\Marcus\Documents\2017 TULALIP GYM-ELEC-GERBER.25-ALL_marcus_2025N.rvt



2 LEVEL 1 LIGHTING PLAN Ph 2
1/8" = 1'-0"

GENERAL NOTES LIGHTING:

1. NOT ALL KEYNOTES ARE USED ON THIS SHEET.
2. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND FINAL DIMENSIONING.
3. WHERE POSSIBLE VERTICALLY ALIGN RECEPTACLES, LIGHTING CONTROLS, FIRE ALARM STROBES/HORNS AND THERMOSTATS THROUGHOUT.
4. PER WSEC C405.2.2.3, PROVIDE FIXTURES AND CONTROLS SUCH THAT THE PRIMARY DAYLIGHT ZONE IS CONTROLLED SEPARATELY FROM THE SECONDARY ZONE.
5. COORDINATE COVER PLATE & SWITCH COLORS WITH ARCHITECT PRIOR TO ORDERING.
6. PROVIDE CUSTOM ENGRAVED SWITCH PLATES FOR TEAM ROOMS, SMALL, MEDIUM AND LARGE CONFERENCE ROOMS AS REQUIRED.
7. FIXTURES DESIGNATED WITH CIRCUITRY LABELLED "X1", "X3", ETC OR 'EM', ARE FED FROM A GENERATOR BACKED CIRCUIT AND WILL PROVIDE EGRESS LIGHTING WHEN UTILITY POWER IS LOST.
8. HALLWAYS AND OPEN OFFICE AREAS SHALL BE TIMECLOCK CONTROLLED WITH AUTOMATIC LOW VOLTAGE OVERRIDE AND OCCUPANCY SENSOR CONTROL OF LIGHTING DURING AFTERHOURS. EACH OVERRIDE SWITCH PER 5,000 SQ-FT MAX.
9. PROVIDE UL924 EMERGENCY BYPASS MODULE FOR ALL EMERGENCY FIXTURES DESIGNATED WITH SWITCH LEG.
10. IN CONFERENCE ROOMS: LOCATE CEILING-MOUNT OCCUPANCY SENSORS IN CORNER ALONG SAME WALL AS DOOR SO THAT LIGHTING IS NOT TRIGGERED FROM HALLWAY.
11. E.C. TO CONFIRM LED DRIVERS TO BE COMPATIBLE AND OPERATE "FLICKER-FREE" WITH DIMMING SYSTEM SELECTED. CONFIRMATION SHALL BE ACCEPTED BY EITHER MANUFACTURER PROVIDED COMPATIBILITY MATRIX, MOCK-UP OR SELECTING DRIVER AND CONTROL COMPONENTS MADE BY SAME MANUFACTURER.
12. E.C. TO CONFIRM VOLTAGES AND DIMMING PROTOCOLS ON EACH LIGHT FIXTURE TYPE AND PROVIDE ASSOCIATED LIGHTING CONTROLS PARTS AND PIECES AS NECESSARY.
13. PROVIDE LIGHTING CONTROL SYSTEM COMMISSIONING PER WSEC C408.3.
14. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL EXIT SIGN LOCATIONS AND QUANTITIES. EXIT SIGNS ARE TO BE SERVED BY UNSWITCHED EMERGECNY CIRCUIT.
15. PROGRAM ALL OCCUPANCY SENSORS TO BE AUTO-ON TO 50% PER WSEC C405.2.1.1.
16. ALL DEVICE LOCATIONS SHOWN ON LIGHTING AND POWER PLANS ARE DIAGRAMMATICAL. INSTALL DEVICES IN ADJACENT SPACE ABOVE NON-EXPOSED ACCESSIBLE CEILINGS AS NEEDED.
17. UNDER-SHELF OR UNDER-CABINET TASK LIGHTING, SHALL BE AUTOMATICALLY SHUT OFF WHENEVER THAT SPACE IS UNOCCUPIED AND SHALL BE CONTROLLED BY A WALL-MOUNTED CONTROL DEVICE PROVIDED THAT THE CONTROL DEVICE IS READILY ACCESSIBLE PER WSEC C405.2.5.
18. EXTERIOR LIGHTS CONTROL VIA PHOTOCELL AND TIME CLOCK.
19. PROVIDE DRY CONTACT OUTPUT FROM LIGHTING CONTROL SYSTEM OCCUPANCY SENSOR AND WIRING TO VAV UNIT(S) SERVING THE FOLLOWING ENCLOSED SPACES:
    1. FOCUS ROOMS
    2. PROJECT/TEAM ROOMS
    3. CONFERENCE ROOMS (SMALL, MEDIUM AND LARGE)
    REFER TO MECHANICAL CONTROLS DRAWING FOR UNITS CONTROLLED BY OCCUPANCY SENSOR SIGNAL. COORDINATE CONTROL SIGNAL AND WIRING REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN

LIGHTING SYMBOLS

$DLVa	SINGLE BUTTON DIMMER SWITCH UP/DOWN ROCKER
300 $ or $DLVabc	MULTI-BUTTON DIMMER FOR NEIGHBORHOODS, TEAM AND CONFERENCE ROOMS. PROVIDE DIM CONTROL PER ZONE OR VIA SCENE SELECTION DEPENDING ON SPACE TYPE.
OS1	STANDARD CEILING MOUNTED OCCUPANCY SENSOR
OS	DUAL TECH CEILING MOUNTED OCC SENSOR
PS	MULTI-ZONE PHOTOSENSOR
RC1	ON/OFF SWITCHED ROOM CONTROLLER
RC3	0-10V DIMMING ROOM CONTROLLER, NUMBER DENOTES QUANTITY OF RELAYS.
RCU	UNIVERSAL PHASE DIMMING ROOM CONTROLLER WITH 2 RELAYS
LCH	LIGHTING CONTROL HEAD END WITH ENCLOSURE
$LV1	LOW VOLTAGE OVERRIDE SWITCH FOR HALLWAY LIGHTING
$Da	0-10V DIMMER/OCCUPANCY SENSOR SWITCH (FOCUS, PHONE & CODE ROOMS). PROGRAM SWITCHES TO BE AUTO-ON TO 50% VERSUS VACANCY MODE.
$OS	STANDARD OCC SENSOR ON/OFF SWITCH.
LCS	6-ZONE TOUCHSCREEN LIGHTING CONTROL STATION WITH RS-232 INTERFACE FOR AV SYSTEM.
SC	5 BUTTON SCENE CONTROL SWITCH.

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Gerber Engineering, Inc.
Consulting Electrical Engineers

WALTER A. GERBER
STATE OF WASHINGTON
PROFESSIONAL ENGINEER
5-11-27

TULALIP TRIBES TELA GYM

7607 Totem Beach Rd
Tulalip, WA 98271

PHASE 2 BUILDING PERMIT SET 11-10-26

LEVEL 1 LIGHTING PLAN

ISSUANCE

No.	Description	Date
2	BLDG PERMIT REV	10-23-26

PROJECT INFORMATION

PROJECT NUMBER:	2017
PROJECT LEAD:	Designer
DRAWN BY:	Author

SHEET NO

E-3.01

11/10/2026 1:39:45 PM C:\Users\Marcus\Documents\2017 TULALIP GYM-ELEC-GERBER-25-ALL_marcus%20ERIN.rvt

TULALIP TRIBES BETTY J TAYLOR
EARLY LEARNING ACADEMY GYM - PHASE 2

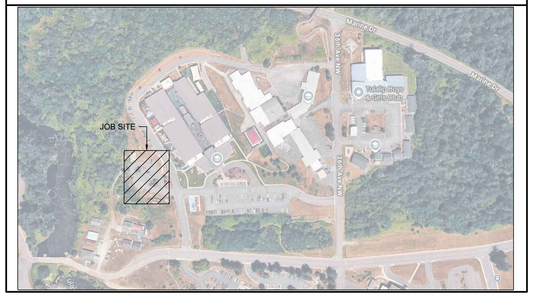
MECHANICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(N) (E)	NEW (N) & EXISTING (E) RECTANGULAR SUPPLY AIR DUCT RISER		SUPPLY AIR GRILLE		PNEUMATIC 2W-CV		FLEX CONNECTOR
(N) (E)	NEW (N) & EXISTING (E) RECTANGULAR OUTSIDE AIR DUCT RISER		RETURN AIR GRILLE		PNEUMATIC 3W-CV		TWIN RUBBER SPHERICAL CONNECTOR
(N) (E)	NEW (N) & EXISTING (E) RECTANGULAR RETURN AIR DUCT RISER		EXHAUST GRILLE		PNEUMATIC BUTTERFLY 2W-CV		TRIPLE GROOVED FLEXIBLE COUPLINGS - COUPLINGS MAY BE SEPARATED AS LONG AS THERE ARE THREE IN A STRAIGHT LINE BETWEEN THE ROTATING EQUIPMENT AND THE HEADER
(N) (E)	NEW (N) & EXISTING (E) RECTANGULAR EXHAUST AIR DUCT RISER		ROUND DIFFUSER		PNEUMATIC BUTTERFLY 3W-CV (DIVERTING)		END CAP
(N) (E)	NEW (N) & EXISTING (E) ROUND AIR DUCT RISER		LINEAR DIFFUSER		PNEUMATIC BUTTERFLY 3W-CV (MIXING)		BLIND FLANGE
	NEW SINGLE LINE & DOUBLE LINE RECTANGULAR OR ROUND DUCT		SIDE WALL GRILLE		MOTORIZED 2W-CV		CONCENTRIC REDUCER
	EXISTING SINGLE LINE & DOUBLE LINE RECTANGULAR OR ROUND DUCT		WALL LOUVER		MOTORIZED 3W-CV		ECCENTRIC REDUCER
	EXISTING SINGLE LINE DUCTWORK TO BE DEMOLISHED ("X" OPTION) EXISTING DOUBLE LINE DUCTWORK TO BE DEMOLISHED ("X" OPTION)		SPIRAL SIDEWALL (WITH EXTRACTOR & WITHOUT EXTRACTOR)		MOTORIZED BUTTERFLY 2W-CV		UNION
	EXISTING DUCTWORK TO BE DEMOLISHED (HATCH OPTION)		FLEXIBLE DUCT		MOTORIZED BUTTERFLY 3W-CV (DIVERTING)		SCHRADER VALVE
24"X12"W	DUCT WITH WRAP. DIMENSIONS SHOWN ARE I.D. OF DUCT DEFAULT WRAP THICKNESS = 1.5" UNLESS NOTED OTHERWISE		SECTION NUMBER SECTION CALL OUT SYMBOL SHEET NUMBER		MOTORIZED BUTTERFLY 3W-CV (MIXING)		FLOW ARROW
24"X12"(2"L)	DUCT WITH LINING. DIMENSIONS SHOWN ARE I.D. OF DUCT DEFAULT LINING THICKNESS = 1"L, UNLESS NOTED OTHERWISE		DRILLED/DIFFUSER TAG GRILLE/DIFFUSER TYPE CFM SIZE TYP #		GATE VALVE		PRESSURE GAUGE WITH SHUT-OFF VALVE
	SINGLE & DOUBLE LINE DUCTWORK WITH TRANSITIONAL FITTING	EQ #	EQUIPMENT LABEL TAG		BALL VALVE	T	TEMPERATURE SENSOR & THERMOWELL
SQUARE ROUND	DOUBLE LINE SQUARE TO ROUND TRANSITIONAL FITTING		FLOW ARROW & FLOW ARROW - CURVED		BALL VALVE WITH MEMORY STOP		THERMOMETER
1 2	1) 90° RADIUS ELBOW 2) 90° SQUARE ELBOW WITH TURNING VANES		REVISION CLOUD		GLOBE VALVE	T	PETE'S PLUG
1 2	1) ROUND DUCT TURNING VERTICAL 2) RECT. DUCT TURNING VERTICAL	1	REVISION DELTA		BUTTERFLY VALVE	FS	FLOW SWITCH
	SINGLE LINE MANUAL VOLUME DAMPER DOUBLE LINE MANUAL VOLUME DAMPER		ELECTRICAL EQUIPMENT CONNECTION LOCATION BY ELECTRICAL CONTRACTOR		CHECK VALVE		TRIPLE DUTY VALVE
	MOTORIZED DAMPER (ELECTRIC)		GAS STUB-UP BY PLUMBING CONTRACTOR		STRAINER		RELIEF VALVE
P P	MOTORIZED DAMPER (PNEUMATIC)		COLD WATER STUB-UP BY PLUMBING CONTRACTOR		STRAINER WITH BLOWDOWN VALVE		3-WAY WAX VALVE
	FIRE DAMPER (SINGLE LINE AND DOUBLE LINE)		CONDENSATE LINE WITH TRAP TO APPROVED RECEPTOR BY PLUMBING CONTRACTOR		BASKET STRAINER		VACUUM BREAKER
F F	FIRE/SMOKE DAMPER (SINGLE LINE AND DOUBLE LINE)		FLOOR SINK WITH TRAP TO APPROVED RECEPTOR BY PLUMBING CONTRACTOR		SUCTION DIFFUSER	T	STEAM TRAP
(SD)	SMOKE DETECTOR (DUCT TYPE)		CEILING OR DUCT ACCESS PANEL BY GENERAL CONTRACTOR		AIR VENT - MANUAL		ANGLE VALVE
SP	STATIC PRESSURE SENSOR		POINT OF CONNECTION		AIR VENT - AUTO		SIGHT GLASS
ASD	SMOKE DETECTOR (AREA TYPE)	T	THERMOSTAT WITH ZONE NUMBER		PRESSURE REDUCING VALVE / GAS REGULATOR VALVE		FILTER DRIER
CO2	CO2 SENSOR	H	HUMIDITY SENSOR		PRESSURE SUSTAINING VALVE		SOLENOID VALVE
NO2	NO2 SENSOR	R	REGULATOR		AUTO FLOW CONTROL		TXV WITH SENSING BULB
CO	CO SENSOR	S	WALL SWITCH		CIRCUIT SETTER		PRESSURE GAUGE - STEAM
OCC	OCCUPANCY SENSOR				BALL VALVE WITH HOSE CONNECTION		HOSE BIBB
				FM	FLOW METER INLINE		DIFFERENTIAL PRESSURE SENSOR ASSEMBLY BY BAS
					FLOW METER TURBINE		

ABBREVIATIONS

ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	FLU	FLUE	OD	OUTSIDE DIMENSION
AHJ	AUTHORITY HAVING JURISDICTION	FR	FLOOR RETURN	OPN'G	OPENING
AP	ACCESS PANEL	FS	FLOOR SUPPLY	OSA	OUTSIDE AIR
ASD	AREA SMOKE DETECTOR	FSD	FIRE SMOKE DAMPER	PLBG	PLUMBING
BDD	BACKDRAFT DAMPER	GA	GAUGE	POC	POINT OF CONNECTION
BF	BOTTOM FLAT	GALV	GALVANIZED	(R)	RELOCATE
BOD	BOTTOM OF DUCT	GC	GENERAL CONTRACTOR	RA	RETURN AIR
BOI	BOTTOM OF INSULATION	GEXH	GREASE EXHAUST AIR	RECIP	RECIPROCATING
BOP	BOTTOM OF PIPE	GPH	GALLONS PER HOUR	REQ'D	REQUIRED
CA	COMPRESSED AIR	GPM	GALLONS PER MINUTE	REV	REVISION
CD	CONDENSATE	GR	GLYCOL RETURN	RG	RETURN OR TRANSFER GRILLE
CE	CEILING EXHAUST	GS	GLYCOL SUPPLY	RG	REFRIGERANT GAS (HIGH PRESSURE)
CENTR	CENTRIFUGAL	GYP BD	GYPSUM BOARD	RH	REHEAT
CFF	CAP FOR FUTURE	HHWR	HEATING HOT WATER RETURN	RL	REFRIGERANT LIQUID
CFM	CUBIC FEET PER MINUTE	HHWS	HEATING HOT WATER SUPPLY	RMF	RAPID MOUNT FRAME
CHWR	CHILLED WATER RETURN	HOA	HAND-OFF-AUTO	RNA	ROUND NECK ADAPTER
CHWS	CHILLED WATER SUPPLY	HPG	HIGH PRESSURE GAS	RND	ROUND
CL	CENTERLINE	HPS	HIGH PRESSURE STEAM	RR	REFRIGERANT RELIEF
CLG	CEILING	HT	HEIGHT	RS	REFRIGERANT SUCTION
CMU	CONCRETE MASONRY UNIT	HVLS	HIGH VOLUME LOW SPEED FAN	SA	SUPPLY AIR
CO	COOLING ONLY	ID	INSIDE DIMENSION	SG	SUPPLY GRILLE
COMB	COMBUSTION AIR	INS	INSULATION	SM	SHEET METAL
CONC	CONCRETE	INT	INTERIOR	SS	STAINLESS STEEL
CONN	CONNECTION	(L)	LINED	STD	STANDARD
CONTR	CONTRACTOR	LPS	LOW PRESSURE STEAM	TA	TRANSFER AIR
CR	STEAM CONDENSATE RETURN	LR	LINEAR RETURN	TD	TOP DOWN
CR	CEILING RETURN	LS	LINEAR SUPPLY	TF	TOP FLAT
CS	CEILING SUPPLY	LVG	LEAVING	TOD	TOP OF DUCT
CWR	CONDENSER WATER RETURN	MA	MIXED AIR	TOP	TOP OF PIPE
CWS	CONDENSER WATER SUPPLY	MECH	MECHANICAL	T'STAT	THERMOSTAT
DIA	DIAMETER	MFR	MANUFACTURER	TU	TOP UP
DSD	DUCT SMOKE DETECTOR	MPG	MEDIUM PRESSURE GAS	TYP	TYPICAL
DWG	DRAWING	MTD	MOUNTED	UBC	UNIFORM BUILDING CODE
(E)	EXISTING	MTL	METAL	UC	UNDERCUT
EA	EXHAUST AIR	MUA	MAKE UP AIR	UG	UNDERGROUND
EG	EXHAUST AIR GRILLE	MVD	MANUAL VOLUME DAMPER	UMC	UNIFORM MECHANICAL CODE
ELB	ELBOW	(N)	NEW	UNO	UNLESS NOTED OTHERWISE
ELEC	ELECTRICAL	N/A	NOT APPLICABLE	UTR	UP THROUGH ROOF
ENT	ENTERING	NC	NORMALLY CLOSED	V	VENT
EQ	EQUIPMENT	NG	NATURAL GAS	VAV	VARIABLE AIR VOLUME
EXH	EXHAUST	NIC	NOT IN CONTRACT	VFD	VARIABLE SPEED DRIVE
EXT	EXTERIOR	NO	NORMALLY OPEN	VIF	VERIFY IN FIELD
(F)	FUTURE	NTS	NOT TO SCALE	VOL	VOLUME
FD	FIRE DAMPER	OBD	OPPOSED BLADE DAMPER	VRF	VARIABLE REFRIGERANT FLOW PIPE
FLEX	FLEXIBLE	OC	ON CENTER	WMS	WIRE MESH SCREEN
FLR	FLOOR			XFER	TRANSFER

VICINITY MAP



PROPERTY INFORMATION

PARCEL #: 30042200300900

LEGAL DESCRIPTION:

Section 22 Township 30 Range 04 Quarter SW - S1/2 SW1/4 LESS S1/2 NE1/4 SE1/4 SW1/4 & LESS N1/2 SE1/4 SE1/4 SW1/4 LESS CO RD & TGW TH PTN OF VAC 36TH AVE NW PER SNO CO ORD NO 14-007 REC AFN 201405290305
Section 22 Township 30 Range 04 Qtr SW

DRAWING INDEX

DRAWING INDEX KEY

- ☐ NOT INCLUDED WITH ISSUE
- ● NEW OR REVISED
- ○ NO CHANGES

SHEET NO	SHEET TITLE	DRAWING ISSUE: SCHEMATIC DESIGN SET (06-22-2026)	ISSUE FOR REVIEW (06-30-2026)	PERMIT SET (11-02-2026)
	REVISION	1	2	3
M0.00	COVER SHEET	●	●	●
M0.01	CONSTRUCTION REQUIREMENTS	●	●	●
M0.03	PERMIT REQUIREMENTS	●	○	●
M0.10	EQUIPMENT SCHEDULES	●	●	●
M1.01	1ST FLOOR HVAC PLAN & ELEVATION VIEWS	●	●	●
M1.02	ZONE PLAN, ROOF HVAC PLAN & COORDINATION PLAN	●	●	●
M5.01	MECHANICAL DETAILS	●	●	●

SCOPE OF WORK

1. INSTALL (3) SPLIT-SYSTEMS & (1) PACKAGE HEAT PUMP PER PLAN.
2. INSTALL (1) EXHAUST FAN TO SERVE RESTROOM AND JANITOR CLOSET PER PLAN.

APPLICABLE CODES

WASHINGTON MECHANICAL PROJECTS:

ALL WORK SHALL BE IN FULL ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES, LAWS AND REGULATIONS. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH, BUT NOT LIMITED TO:

- TULALIP TRIBAL CODE 7.14.100 - BUILDING CODE
- 2015 INTERNATIONAL BUILDING CODE WITH WA AMENDMENTS
- 2015 INTERNATIONAL MECHANICAL CODE WITH WA AMENDMENTS
- 2015 UNIFORM PLUMBING CODE WITH WA AMENDMENTS
- 2015 WASHINGTON STATE ENERGY CODE
- 2015 INTERNATIONAL FIRE CODE WITH WA AMENDMENTS

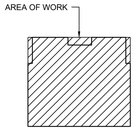
ALL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING ADDITIONAL GUIDELINES WHERE REQUIRED BY CODE:

- SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA)
- AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS (ASHRAE)
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)
- AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)
- NATIONAL FIRE PROTECTION AGENCY (NFPA)
- OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)

acco engineered systems
5300 DENVER AVENUE SOUTH
SEATTLE, WASHINGTON 98108
(206) 787-8500

THE PLANS AND SPECIFICATIONS HEREIN ARE OWNED BY AND FOR THE SOLE USE OF ACCO ENGINEERED SYSTEMS, INC. ("ACCO") THE "DESIGN BUILDER", AND MAY NOT BE REPRODUCED OR USED BY OTHERS FOR ANY PURPOSE UNLESS AUTHORIZED BY ACCO IN WRITING. ACCO CANNOT ACCEPT ANY LIABILITY, WARRANTY, OR OBLIGATION IN THE EVENT OF UNAUTHORIZED USE.

AREA OF WORK



KEY PLAN



No.	Date	Description	By
3	11-02-2026	PERMIT SET	HH
2	06-30-2026	ISSUE FOR REVIEW	HH
1	06-22-2026	SCHEMATIC DESIGN SET	HH

Revisions

Project

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM - PHASE 2

7607 TOTEM BEACH RD
TULALIP, WA 98271

Title

COVER SHEET

H.HARDEN	T.TOUTONGHI
Designed By	Checked By
H.HARDEN	V.ULRICH-LEWIS
Drawn By	Project Manager
TBD	AS SHOWN
Job Number	Scale

M0.00

SCOPE RESPONSIBILITY MATRIX

THIS TABLE SHALL BE USED FOR DESIGN COORDINATION ONLY. REFER TO THE CONTRACT DOCUMENTS FOR FINAL PROJECT RESPONSIBILITIES & SCOPES.

MC = MECHANICAL CONTRACTOR | EC = ELECTRICAL CONTRACTOR | PC = PLUMBING CONTRACTOR | CC = CONTROLS CONTRACTOR | GC = GENERAL CONTRACTOR | FAC = FIRE ALARM CONTRACTOR

COORDINATION ITEM	IN SCOPE	FURNISHED BY	INSTALLED BY	POWER WIRING BY	CONTROLS WIRING* BY	NOTES
DISCONNECT AT EQUIPMENT	YES	EC	EC	EC	N/A	-
LINE VOLTAGE THERMOSTATS	YES	EC	EC	N/A	CC	-
LOW VOLTAGE THERMOSTATS	NO					
LOW VOLTAGE CONTROL WIRING	NO					
WALL SWITCH	NO					
PRESSURE SENSOR (DIGITAL OR PNEUMATIC)	YES	MC	MC	CC	CC	-
MOTOR STARTERS	NO					
MOTOR VARIABLE FREQUENCY DRIVES (VFD'S)	NO					
DUCT SMOKE DETECTORS	NO					
FIRE/SMOKE DAMPERS	NO					
MEDICAL GAS ALARMING / MONITORING	NO					
DAMPER ACTUATORS	NO					
CONTROL VALVES	NO					
HEAT TRACING	NO					
EQUIPMENT CONDENSATE DRAIN PIPING AND P-TRAPS	YES	MC	MC	N/A	N/A	-
CONDENSATE DRAIN PUMPS	NO					
NATURAL GAS PIPING & PRESSURE REGULATORS TO EQUIPMENT	NO					
PVC FLUE VENTS / COMBUSTION AIR FOR WATER HEATERS	NO					
GENERATOR FLUE DUCT / RADIATOR DUCT / EXHAUST PIPE	NO					
GENERATOR MUFFLER AND SILENCER	NO					
GENERATOR FUEL TANK WITH CONTROLS AND MONITORING	NO					
GENERATOR FUEL PIPING	NO					
ROOF OPENINGS FOR DUCT AND PIPE PENETRATIONS (INCL. CUTTING & PATCHING)	NO					
FLASHING FOR NON-DUCT ROOF PENETRATIONS	NO					
FACTORY CURBS FOR ROOF MOUNTED EQUIPMENT	NO					
LEVELING OF ROOF CURBS	NO					
LEVEL CONCRETE HOUSEKEEPING PADS & PIERS	YES	GC	GC	N/A	N/A	-
EXTERIOR LOUVERS	YES	MC	MC	N/A	N/A	-
CEILING AND WALL ACCESS PANELS	NO					

NOTES:

LOAD CRITERIA

HEATING AND COOLING LOAD CALCULATIONS PERFORMED PER PER 2015 SEC 403.2.1

ENVELOPE VALUES		DESIGN TEMPERATURES	
	U-VALUE (BTUH/FT² °F)		°F
ROOF	0.027	INDOOR - COOLING	75
WALL	0.054	INDOOR - HEATING	70
FLOOR	0.038	OUTDOOR - COOLING	79
GLASS	0.4	OUTDOOR - HEATING	21
GLASS (SC)	SC=0.4		

INTERNAL LOADS			
SPACE TYPE	MISC EQUIPMENT	PEOPLE DENSITY (SEAT COUNT)	LIGHTING (W/SQFT)
GYM	-	150	1
MULTI-USE	-	44	1
LOBBY	-	16	1

DUCT INSULATION REQUIREMENTS

(PER 2015 WSEC/SEC REQUIREMENTS SECTION C403.2.8.2)

DUCT TYPE	MINIMUM INSULATION R-VALUE	INSTALLED INSULATION THICKNESS
- MECHANICAL SYSTEM OSA INTAKE (OSA DUCT ≥ 2800 CFM)	MATCH BUILDING ENVELOPE	VARIES
- MECHANICAL SYSTEM OSA INTAKE (OSA DUCT < 2800 CFM)	R-7	2"LINER OR 3" WRAP
- LOCATED OUTDOORS (SUPPLY/RETURN)	R-8	2" LINER
- LOCATED IN UNCONDITIONED SPACES	R-6	1.5" LINER OR 3" WRAP
- LOCATED IN CEILING PLENUM	R-3.3	1" LINER OR 1.5" WRAP
- LOCATED IN DIRECTLY CONDITIONED SPACE	NONE REQUIRED	N/A

NOTE:
PER 2015 WSEC/SEC C403.2.8.2, INSULATION IS NOT REQUIRED WHERE THE TEMPERATURE DIFFERENCE BETWEEN THE INTERIOR AND EXTERIOR OF THE DUCT OR PLENUM DOES NOT EXCEED 15°F. THIS SECTION APPLIES, BUT IS NOT LIMITED TO, RETURN AND EXHAUST DUCTS LOCATED IN THE CEILING PLENUM.

PIPING INSULATION REQUIREMENTS

(PER 2015 WSEC/SEC REQUIREMENTS SECTION C403.10.3)

FLUID OPERATING TEMP RANGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE SIZE (IN.)				
	CONDUCTIVITY BTU*IN/(H*FT²*°F)	MEAN RATING TEMP, °F	<1	1 TO < 1 ½	1 ½ TO < 4	4 TO < 8	> 8
> 350	0.32 - 0.34	250	4.5	5.0	5.0	5.0	5.0
251 - 350	0.29 - 0.32	200	3.0	4.0	4.5	4.5	4.5
201 - 250	0.27 - 0.30	150	2.5	2.5	2.5	3.0	3.0
141 - 200	0.25 - 0.29	125	1.5	1.5	2.0	2.0	2.0
105 - 140	0.21 - 0.28	100	1.0	1.0	1.5	1.5	1.5
40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0	1.0
< 40	0.20 - 0.26	75	0.5	1.0	1.0	1.0	1.5

NOTES:
1. FOR PIPING SMALLER THAN 1 1/2" AND LOCATED IN PARTITIONS WITHIN CONDITIONED SPACES, REDUCTION OF THESE THICKNESSES BY 1" SHALL BE PERMITTED BUT NOT TO A THICKNESS LESS THAN 1"
2. INSULATION IS NOT REQUIRED FOR CONDENSATE DRAIN PIPING FROM A DX COOLING COIL PER WSEC/SEC 403.10.3 EXCEPTION 3. IT IS RECOMMENDED THAT IF THE DRAIN PIPING IS LOCATED WITHIN A PLENUM THAT IS NOT USED AS A RETURN AIR PATH, OR OTHER UNCONDITIONED SPACE WITH LIMITED AIRFLOW, THE DRAIN PIPE SHOULD BE INSULATED WITH 0.5" THICK INSULATION TO PREVENT CONDENSATION ON THE OUTSIDE OF THE PIPE.

DUCT CONSTRUCTION SCHEDULE

(PRESSURE CLASS PER SMACNA TABLE 1-1S)

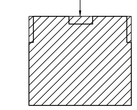
DUCT SECTION / COMPONENT	DUCT PRESSURE CLASS
LOW-PRESSURE SUPPLY	+2"
LOW-PRESSURE RETURN	-2"
LOW-PRESSURE EXHAUST	-2"
OUTDOOR SUPPLY	+4"
OUTDOOR RETURN	-2"

HVAC GENERAL NOTES WASHINGTON

1. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING OR EVERY OFFSET WHICH MAY BE REQUIRED. THE HVAC CONTRACTOR IS TO COORDINATE WITH ALL OTHER TRADES AND IS TO VERIFY ALL CLEARANCES BEFORE COMMENCING WORK.
2. MATERIALS, METHODS, AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE 2015 EDITIONS OF THE WA MECHANICAL CODE, WA BUILDING CODE, WA FUEL AND GAS CODE, WA FIRE CODE, AND LOCAL CODES AND ORDINANCES.
3. EQUIPMENT SIZING AND SELECTION TO COMPLY WITH 2015 WA 403.2.2. THE OUTPUT CAPACITY FOR HEATING AND COOLING EQUIPMENT SHALL BE NO GREATER THAN THAT OF THE SMALLEST AVAILABLE EQUIPMENT SIZE THAT EXCEEDS THE CALCULATED LOADS.
4. ZONE THERMOSTATIC CONTROLS SHALL BE CONFIGURED TO PROVIDE A DEADBAND OF 5°F WITHIN WHICH THE SUPPLY OF HEATING AND COOLING ENERGY TO THE ZONE IS SHUT OFF OR REDUCED TO A MINIMUM PER 2015 WA EC C403.2.4.1.2.
5. AUTOMATIC CONTROLS SHALL BE CAPABLE OF STARTING AND STOPPING THE SYSTEM AS REQUIRED PER 2015 WA EC C403.2.4.2.
6. VENTILATION AND MINIMUM OUTSIDE AIR VALUES CALCULATED PER 2015 WA MC CHAPTER 4.
7. AIRSIDE ECONOMIZER TO BE PROVIDED AS NOTED IN EQUIPMENT SCHEDULES AND MEET REQUIREMENTS OF 2015 WA EC C403.3.
8. OUTSIDE AIR SUPPLY, EXHAUST OPENINGS, RETURN AIR OPENINGS USED FOR AIRSIDE ECONOMIZER OPERATION, AND STAIRWAY AND SHAFT VENTS SHALL BE PROVIDED WITH CLASS I MOTORIZED DAMPERS PER 2015 WA EC C403.2.4.3.
9. SELECTED FAN MOTORS SHALL BE NO LARGER THAN THE FIRST AVAILABLE MOTOR SIZE GREATER THAN THE DESIGN BHP PER 2015 WA EC C403.2.11.2.
10. DUCT CONSTRUCTION AND HANGING SHALL COMPLY WITH SECTION 603 OF THE 2015 WA MC AND WITH CURRENT SMACNA STANDARDS. EARTHQUAKE BRACE ALL DUCTS 28" DIA AND LARGER WHICH ARE SUSPENDED MORE THAN 12" BELOW STRUCTURAL SYSTEM.
11. JOINTS OF MEDIUM AND HIGH VELOCITY DUCT SYSTEMS SHALL BE SEALED WITH GASKETS OR LISTED MASTIC TYPE DUCT SEALANT.
12. DUCTS SHALL BE INSULATED AS INDICATED ON PLANS.
    - •• DUCT WRAP, WHERE INDICATED, SHALL BE 1.5" 0.75 LB/FT³ FIBERGLASS DUCT INSULATION WITH A FACTORY APPLIED REINFORCED ALUMINUM FOIL VAPOR BARRIER.
    - •• SOUND LINING, WHERE INDICATED, SHALL BE 1.0" 1.5 LB/FT³ FIBERGLASS DUCT LINING COATED TO PREVENT FIBER EROSION AT VELOCITIES UP TO 4,000 FPM.
13. FLEX DUCTS SHALL CONSIST OF A REINFORCED VAPOR BARRIER, 1.5" FIBERGLASS INSULATION, AND NON-PERFORATED INTERIOR LINER WITH WIRE HELIX. DUCT SHALL BE A UL 181 LISTED CLASS 1 AIR DUCT. FLEX DUCTS SHALL ONLY BE USED WHERE SHOWN AND SHALL NOT EXCEED 12' IN LENGTH UNLESS NOTED OTHERWISE.
14. PROVIDE EARTHQUAKE RESTRAINT FOR HVAC EQUIPMENT IN ACCORDANCE WITH SECTION 1613 OF THE 2015 WA BC.
15. PROVIDE FIRE DAMPERS, SMOKE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS, AND CEILING RADIATION DAMPERS WHERE INDICATED ON PLANS AND AS REQUIRED BY SECTION 607 OF THE 2015 WA MC. INSTALL IN ACCORDANCE WITH THE MANUFACTURERS' INSTRUCTIONS, THE TERMS OF THEIR LISTING, AND THE REQUIREMENTS OF THE CODE.
16. PIPING PENETRATIONS OF FIRE RATED WALLS OR FLOORS SHALL BE SLEEVED AND FIRE STOPPED WITH LISTED MATERIALS SO AS TO MAINTAIN THE INTEGRITY AND RATING OF THE FLOOR OR WALL.
17. PROVIDE RETURN DUCT SMOKE DETECTOR AUTOMATIC SHUT DOWN OF ALL HEATING, COOLING, OR VENTILATION EQUIPMENT DELIVERING IN EXCESS OF 2,000 CFM IN ACCORDANCE WITH SECTION 606 OF THE 2015 WA MC.
18. HVAC EQUIPMENT, VALVES, AND DAMPERS SHALL BE LOCATED IN EASILY ACCESSIBLE LOCATIONS.
19. WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION TO BE PROVIDED TO THE BUILDING OWNER. RECORD DRAWINGS SHALL INCLUDE AS A MINIMUM THE LOCATION AND PERFORMANCE DATA ON EACH PIECE OF EQUIPMENT, GENERAL CONFIGURATION OF DUCT AND PIPE DISTRIBUTION SYSTEM INCLUDING SIZES, AND THE TERMINAL AIR AND WATER DESIGN FLOW RATES.
20. OPERATING AND MAINTENANCE MANUALS TO BE PROVIDED TO THE BUILDING OWNER THAT INCLUDE: SUBMITTAL DATA, NAMES AND ADDRESSES OF AT LEAST ONE SERVICE AGENCY, HVAC CONTROLS SYSTEM MAINTENANCE AND CALIBRATION INFORMATION, AND A COMPLETE OPERATIONAL NARRATIVE FOR EACH SYSTEM.
21. A WRITTEN BALANCE REPORT SHALL BE FILED WITH THE OWNER.
22. COMMISSIONING: COMMISSIONING FOR THE PROJECT SHALL MEET THE REQUIREMENTS OF THE 2015 WA ENERGY CODE, SECTION C408. SYSTEM SHALL BE TESTED TO ENSURE CONTROL DEVICES, EQUIPMENT, AND SYSTEMS ARE CALIBRATED, ADJUSTED, AND OPERATE IN ACCORDANCE WITH THE PLANS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED TO ENSURE THEY OPERATE IN ACCORDANCE WITH THE PLANS. A COMPLETE REPORT OF TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER.
23. FOR ALL "SEALED AIR TIGHT" SHAFTS, THE FOLLOWING MUST OCCUR:
    - •• ALL VERTICAL JOINTS INSIDE THE SHAFT SHOULD BE PROVIDED WITH A CONTINUOUS SEAL FOR THE LENGTH OF THE JOINT, INCLUDING THE SHAFT CORNERS (BY G.C.)
    - •• TOP AND BOTTOM WALL TRACKS SHOULD BE CAULKED ALONG THEIR ENTIRE LENGTH (BY G.C.)
    - •• ANY FLOOR DECKING PERPENDICULAR TO THE SHAFT SHOULD BE CAULKED. FILLING WITH ROCK WOOL IS NOT ACCEPTABLE (BY G.C.)
    - •• ANY PENETRATIONS OF THE SHAFT CONSTRUCTION (DUCT WORK, CONDUIT, PIPING, ...) SHOULD BE SEALED ON BOTH SIDES OF THE PENETRATION.
    - •• USE SECTION 909 OF THE 2015 IBC FOR MAXIMUM ALLOWABLE LEAKAGE AREA, FOLLOWING THE GUIDELINES FOR TIGHT SHAFT CONSTRUCTION.

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KEY PLAN



No.	Date	Description	By
3	11-02-2026	PERMIT SET	HH
2	06-30-2026	ISSUE FOR REVIEW	HH
1	06-22-2026	SCHEMATIC DESIGN SET	HH

Revisions

Project

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM - PHASE 2

7607 TOTEM BEACH RD
TULALIP, WA 98271

Title

CONSTRUCTION & PERMIT REQUIREMENTS

H.HARDEN — Designed By	T.TOUTONGHI — Checked By
H.HARDEN — Drawn By	V.ULRICH-LEWIS — Project Manager
TBD — Job Number	AS SHOWN — Scale

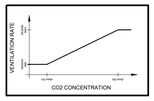
M0.01

DEMAND CONTROL VENTILATION (DCV)

(PER 2015 WSEC/SEC REQUIREMENTS SECTION C403.7.13.2)

EACH SYSTEM REQUIRED TO HAVE DEMAND CONTROL VENTILATION, AS INDICATED ON THE PLANS & SCHEDULES, SHALL HAVE CONTROLS CAPABLE & CONFIGURED TO AUTOMATICALLY CHANGE THE QUANTITY OF OUTDOOR AIR SUPPLIED TO THE SPACE(S) SERVED BASED UPON THE OUTPUT OF A CO2 SENSOR. CO2 SENSORS SHALL BE CONFIGURED WITH THE FOLLOWING SETPOINTS:

VENTILATION AIR FLOW RATE SETTING (AS SHOWN ON EQUIPMENT SCHEDULES)	CORRESPONDING DCV CO2 SENSOR SETPOINT
DESIGN MINIMUM	100 PPM (ADJ)*
DESIGN MAXIMUM	700 PPM (ADJ)*



*(VALUES LISTED ARE NOMINAL AND ARE LISTED FOR REFERENCE ONLY. ACTUAL SET POINTS MAY DIFFER.)

C406 COMPLIANCE

(PER 2015 WSEC/SEC REQUIREMENTS)

THIS PROJECT IS REQUIRED TO COMPLY WITH C406.

ADDITIONAL EFFICIENCY PACKAGE OPTIONS RELATED TO HVAC SCOPE:

#1. ACCO WILL NOT COMPLY WITH THIS OPTION:
MORE EFFICIENT HVAC PERFORMANCE IN ACCORDANCE WITH SECTION C406.2

#5. ACCO WILL NOT COMPLY WITH THIS OPTION:
PROVISIONS OF A DEDICATED OUTDOOR AIR SYSTEM FOR CERTAIN HVAC EQUIPMENT IN ACCORDANCE WITH C406.6

#2. ACCO WILL COMPLY WITH THIS OPTION:
REDUCED LIGHTING POWER IN ACCORDANCE WITH SECTION C406.3.

#6. ACCO WILL COMPLY WITH THIS OPTION:
HIGH-EFFICIENCY SERVICE WATER HEATING IN ACCORDANCE WITH SECTION C406.7.



SITE PLAN
SCALE: NONE

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TULALIP, WA 98271

Title

PERMIT REQUIREMENTS

H.HARDEN (Designed By)	T.TOUTONGHI (Checked By)
H.HARDEN (Drawn By)	V.ULRICH-LEWIS (Project Manager)
TBD (Job Number)	AS SHOWN (Scale)

M0.03

PACKAGE HEAT PUMP UNIT

TAG	LOCATION	MANUFACTURER & MODEL No.	SERVING	MIN. OSA CFM	DCV OSA CFM	SUPPLY FAN					DX COOLING						DX HEATING				AUX HEAT KW	COMP'R		FILTER MERV	EXH. FAN			SINGLE POINT POWER				RATED EFFICIENCY @ AHRI						VIB. ISO	SOUND (dB)	WEIGHTS (LBS)				NOTES
						CFM	E.S.P. (in w.c.)	FRPM	BHP	HP	REF. TYPE	TOTAL MBH	SENS. MBH	EDB/ EWB	LDB/ LWB	AMB (°F)	TOTAL MBH	EDB	LDB	AMB (°F)		QTY.	NO. OF CIRCUITS		CFM	E.S.P. (in w.c.)	BHP	HP	MCA	MOCP	SCCR (KA)	VOLTAGE	EMERGENCY POWER	COOLING			HEATING					UNIT	CURB	ECONO.	TOTAL	
																																SEER2	EER	IEER	HSPF2	COP @ 47°F	COP @ 17°F							
HP-04	NE WALL	TRANE WSK300A3S0N	GYM	2,950	-	10,000	1.00	1,637	5.38	2.9 x2	R-454B	263	235	80 / 67	57 / 55	87	123	59	79	47	36	2	1	13	-	-	-	-	212	250	-	208V / 3PH	N	-	9.5	12.5	-	3.2	2.05	N	93	-	-	-	2,354	1-8

NOTES:

1. DISCONNECT BY ELECTRICAL CONTRACTOR.
2. PROVIDE WITH 100% INTEGRATED ECONOMIZER PER 2015 WSEC/SEC 403.3.1
3. UNIT COOLING CAPACITY IS GREATER THAN 54,000 BTU/H: PROVIDE WITH ECONOMIZER FAULT DETECTION PER 2015 WSEC/SEC C403.2.4.7
4. UNIT COOLING CAPACITY IS GREATER THAN 240,000 BTU/H: PROVIDE UNIT WITH MIN. 4-STAGE COOLING PER 2015 WSEC/SEC C403.3.1. UNITS WITH ECONOMIZER INCLUDE ECONOMIZER AS FIRST STAGE OF COOLING.
5. UNIT CFM IS GREATER THAN 2,000: PROVIDE WITH RETURN-DUCT SMOKE DETECTOR PER 2015 IMC/SMC 606.2.1 FURNISHED BY E.C., INSTALLED BY M.C., WIRED BY E.C.
6. COMPRESSION HEAT MUST BE FIRST STAGE OF HEAT. UNIT CONTROLS MUST PREVENT AUXILIARY HEATER OPERATION ABOVE 40°F OSA TEMP.
7. SINGLE POINT POWER CONNECTION. MCA VALUE INCLUDES FAN AND AUXILIARY ELECTRIC HEATER.
8. PROVIDE WITH PROGRAMMABLE THERMOSTAT.

SPLIT SYSTEM HEAT PUMP

TAG	LOCATION	MANUFACTURER & MODEL No.	SERVING	COOLING				HEATING			COMP'R		SINGLE POINT POWER					RATED EFFICIENCY @ AHRI							VIB. ISO	SOUND (dB)	WEIGHT (lbs)	NOTES
				REF. TYPE	TOTAL BTUH	SUCT. (°F)	AMB (°F)	TOTAL BTUH	COND. (°F)	AMB (°F)	QTY.	# OF CIRCUITS	MCA	MFA/MOCP	SCCR (KA)	VOLTAGE	EMERGENCY POWER	COOLING			HEATING							
																		SEER2	EER2	IEER	HSPF2	COP @ 47°F	COP @ 17°F					
HP-01	NE WALL	MITSUBISHI MUZ-WX09NL	IT	R-454B	9,000	-	95	10,900	-	47	1	1	10	15	5	208V / 1PH	N	18	11	-	8.5	3.55	-	N	50	65	1-5
HP-02	NE WALL	MITSUBISHI MUZ-WX09NL	ELEC.	R-454B	9,000	-	95	10,900	-	47	1	1	10	15	5	208V / 1PH	N	18	11	-	8.5	3.55	-	N	50	65	1-5
HP-03	NE WALL	MITSUBISHI PUZ-AK60NL	MULTI-USE	R-454B	60,000	-	95	64,500	-	47	1	1	38	67	5	208V / 1PH	N	18.3	9.8	-	8.4	2.9	2.3	N	60	265	1, 3, 4, 6

NOTES:

1. DISCONNECT BY ELECTRICAL CONTRACTOR.
2. NOTE TO EC: WIRE GA BETWEEN INDOOR & OUTDOOR UNIT IS SIZED PER IOM. REFER TO UNIT IOM PRIOR TO INSTALLING POWER WIRING TO OUTOOR UNIT.
3. COMPRESSION HEAT MUST BE FIRST STAGE OF HEAT. UNIT CONTROLS MUST PREVENT AUXILIARY HEATER OPERATION ABOVE 40°F OSA TEMP.
4. PROVIDE WITH LOW AMBIENT KIT.
5. OUTDOOR UNIT POWERS INDOOR UNIT.
6. PROVIDE WITH LONG LINE KIT.

FAN COIL (DX) SPLIT SYSTEM HEAT PUMP

TAG	LOCATION	MANUFACTURER & MODEL No.	SERVING	DCV OSA CFM	MIN. OSA CFM	SUPPLY FAN					REF. TYPE	DX COOLING COIL							HEATING			AUX HEAT KW	FILTER MERV	VOLTAGE	FAN		HEATER		EMERGENCY POWER	VFD	VIB. ISO	WEIGHT (lbs)	NOTES
						CFM	E.S.P. (in w.c.)	FRPM	BHP	HP (W)		TOTAL MBH	SENS. MBH	EDB/ EWB	LDB/ LWB	SUCT. (°F)	ROW/ FPI	DPa (in w.c.)	TOTAL MBH	EDB	LDB				MCA	MOCP	MCA	MOCP					
FCU-01	IT	MITSUBISHI MSZ-WX09NL	IT	-	-	300	-	-	-	30	R-454B	9	-	80 / 67	-	-	-	-	11	70	-	-	13	208V / 1PH	1	-	-	-	N	N	20	2-7
FCU-02	ELEC.	MITSUBISHI MSZ-WX09NL	ELEC.	-	-	300	-	-	-	30	R-454B	9	-	80 / 67	-	-	-	-	11	70	-	-	13	208V / 1PH	1	-	-	-	N	N	20	2-7
FCU-03	STORAGE	MITSUBISHI PVA-AA60NL	MULTI-USE	215	500	2000	0.5	-	-	-	R-454B	60	-	80 / 67	-	-	-	-	66	68	-	5	13	208V / 1PH	7.5	20	45.1	50	N	N	Y	176	1-6, 8-12

NOTES:

1. DISCONNECT BY ELECTRICAL CONTRACTOR.
2. PROVIDE WITH PROGRAMMABLE THERMOSTAT.
3. INTERNAL OVERFLOW SWITCH PROVIDED BY MANUFACTURER, PER 2015 IMC 307.2.3.
4. COMPRESSION HEAT MUST BE FIRST STAGE OF HEAT. UNIT CONTROLS MUST PREVENT AUXILIARY HEATER OPERATION ABOVE 40°F OSA TEMP.
5. UNIT IS CHARGED WITH AN A2L REFRIGERANT. SEE REFRIGERANT EFFECTIVE VOLUME DISPERSAL CHARGE SCHEDULE FOR PROOF OF COMPLIANCE WITH ASHRAE 15.
6. PROVIDE UNIT WITH FACTORY REFRIGERANT DETECTION SYSTEM IN COMPLIANCE WITH UL 60335-2-40.
7. INDOOR UNIT POWERED BY OUTDOOR UNIT.
8. PROVIDE WITH 100% AIRSIDE ECONOMIZER MIXING BOX PER 2015 WSEC/SEC C403.3. PROVIDE WITH LOW-LEAK MOTORIZED DAMPERS PER 2015 WSEC/SEC C403.2.4.3
9. UNIT COOLING CAPACITY IS GREATER THAN 42,000 BTU/H: PROVIDE UNIT WITH 2-SPEED FAN PER 2015 WSEC/SEC C403.2.11.5. UNITS WITH ECONOMIZER INCLUDE ECONOMIZER AS FIRST STAGE OF COOLING.
10. UNIT COOLING CAPACITY IS GREATER THAN 54,000 BTU/H: PROVIDE WITH ECONOMIZER FAULT DETECTION PER 2015 WSEC/SEC C403.2.4.7
11. INTERNAL OVERFLOW SWITCH PROVIDED BY MANUFACTURER, PER 2015 IMC 307.2.3.
12. INDOOR UNIT AND AUX. HEATER REQUIRE SEPARATE ELECTRICAL CONNECTIONS.

REFRIGERANT EFFECTIVE DISPERSAL VOLUME CHARGE

SYSTEM TAG	AIR DISTRIBUTION TYPE	REFRIGERANT DETECTION SYSTEM, RDS	SYSTEM CHARGE (lbs)	INSTITUTIONAL OCCUPANCY?	REF. TYPE	LFL (lbs/1000ft3)	FLOOR AREA SERVED (ft2)	DISCHARGE HEIGHT (ft)	EFFECTIVE DISPERSAL VOLUME (ft3)	EDVC (lbs)	NOTES
FCU-01	DUCTLESS	NO	2.5	NO	R-454B	18.5	49	9	549	5.08	1-2
FCU-02	DUCTLESS	NO	2.5	NO	R-454B	18.5	61	9	441	4.08	1-2
FCU-03	DUCTED	YES	11	NO	R-454B	18.5	285	9	2565	23.73	1-2

NOTES:

1. SYSTEM COMPLIES; SYSTEM CHARGE IS ≤ EDVC.
2. EDVC IS CALCULATED PER ASHRAE 15.7.6.1.1.

FAN

TAG	LOCATION	MANUFACTURER & MODEL No.	SERVING	CFM	T.S.P. (in w.c.)	BHP	HP	VOLTAGE	EMERGENCY POWER	VFD (Y/N)	VIB. ISO	WEIGHT (lbs)	dBA	NOTES
EF-01	ROOF	GREENHECK G-120-VG	RESTROOM/JANITOR	850	0.75	1/4	-	208V / 1PH	N	N	N	46	54	1-3
EF-02	GYM	GREENHECK SQ-24-M2-VG	GYM	10,000	0.3	5	-	208V / 3PH	N	N	N	264	-	1, 4, 5

NOTES:

1. DISCONNECT BY ELECTRICAL CONTRACTOR.
2. FAN MOTOR HP IS GREATER THAN 1/12HP, AND LESS THAN 1HP. PROVIDE WITH ECM MOTOR OR MIN MOTOR EFFICIENCY OF 70% PER 2015 WSEC/SEC C405.8
3. FAN TO RUN DURING OCCUPIED HOURS, CONTROL DEVICES TO BE FINALIZED.
4. FAN CONTROL BY SPACE STATIC PRESSURE. CONTROLS FURNISHED AND INSTALLED BY CC.
5. PROVIDE WITH SPRING HANGING ISOLATORS. SEE M5.01/1 FOR HANGING DETAIL.

MOTORIZED DAMPERS

TAG	MANUFACTURER & MODEL No.	UNIT INTERLOCK	SIZE (W" x H")	BLADE OPERATION	LEAKAGE CLASS	MOD VS 2-POS	FAIL POSITION	ACTUATOR VOLTAGE	EMERGENCY POWER	NOTES
MD-01	GREENHECK VCD-23	FCU-03	26"x26"	3V	1A	MOD	OPEN	208	NO	1
MD-02	GREENHECK VCD-23	FCU-03	26"x26"	3V	1A	MOD	OPEN	208	NO	1
MD-03	GREENHECK VCD-23	EF-02	35.5"x35.5"	3V	1A	MOD	OPEN	208	NO	1

NOTES:

1. LINE-VOLTAGE INTERLOCK BY E.C.

LOUVER

TAG	LOCATION	MANUFACTURER & MODEL No.	SERVING	CFM	SIZE (W" x H")	FREE AREA (%)	FREE AREA (SF)	FREE AREA VELOCITY (FPM)	DPa (in. w.g.)	POINT OF WATER PENETRATION (FPM)	NOTES
L-1	GYM	GREENHECK EDJ-601	GYM	10,000	60"x60"	55	14	731	0.1	998	-

NOTES:

GRAVITY AIR VENT

TAG	LOCATION	MANUFACTURER & MODEL No.	SERVING	CFM	S.P. (in w.c.)	THROAT VELOCITY (FPM)	THROAT SIZE (in.)	WEIGHT (lbs)	NOTES
EH-1	ROOF	GREENHECK FGR	ECONOMIZER	2000	0.044	426	26	82	-
IH-1	ROOF	GREENHECK FGI	ECONOMIZER	2000	0.043	426	26	97	-

DIFFUSERS AND GRILLES

TAG	MANUFACTURER & MODEL No.	BORDER TYPE	SIZE	TYPE	NOTES
A	METALAIRE SG41	SURFACE-MT	PER PLAN	SUPPLY	WHITE
B	METALAIRE CDMC	LAY-IN	PER PLAN	SUPPLY	WHITE
C	METALAIRE RGCC-05	SURFACE-MT	PER PLAN	RETURN / EXHAUST	WHITE, OBD
D	METALAIRE RG	SURFACE-MT	PER PLAN	RETURN / EXHAUST	WHITE
F	METALAIRE SD42	SPIRAL-MT	PER PLAN	SUPPLY	WHITE

ELECTRIC HEATER

TAG	LOCATION	MANUFACTURER & MODEL No.	TYPE	KW	VOLTAGE	MOUNTING TYPE	NOTES
(E) EH-01	SPRINKLER	REZNOR EHC	FAN-FORCED	5	208V / 1PH	WALL-MT	3
EH-02	RESTROOM	REZNOR ECR	FAN-FORCED	5	208V / 1PH	CEILING RECESSED	1-2

NOTES:

1. DISCONNECT BY ELECTRICAL CONTRACTOR.
2. PROVIDE WITH INTEGRAL THERMOSTAT.
3. EXISTING UNIT TO REMAIN.

ELECTRIC UNIT HEATER

TAG	LOCATION	MANUFACTURER MODEL No.	SERVING	CFM	HEATING			FAN HP	EMERGENCY POWER	WEIGHT (lbs)	NOTES
					KW	VOLTAGE	MOUNTING TYPE				
(D) EUH-01	GYM	REZNOR EUH	GYM	1200	15	208V / 3PH	HANGING	0.07	N	92	1
(D) EUH-02	GYM	REZNOR EUH	GYM	1200	15	208V / 3PH	HANGING	0.07	N	92	1
(D) EUH-03	GYM	REZNOR EUH	GYM	1200	15	208V / 3PH	HANGING	0.07	N	92	1
(D) EUH-04	GYM	REZNOR EUH	GYM	1200	15	208V / 3PH	HANGING	0.07	N	92	1

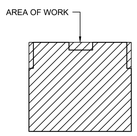
NOTES:

1. DEMO EXISTING UNIT.

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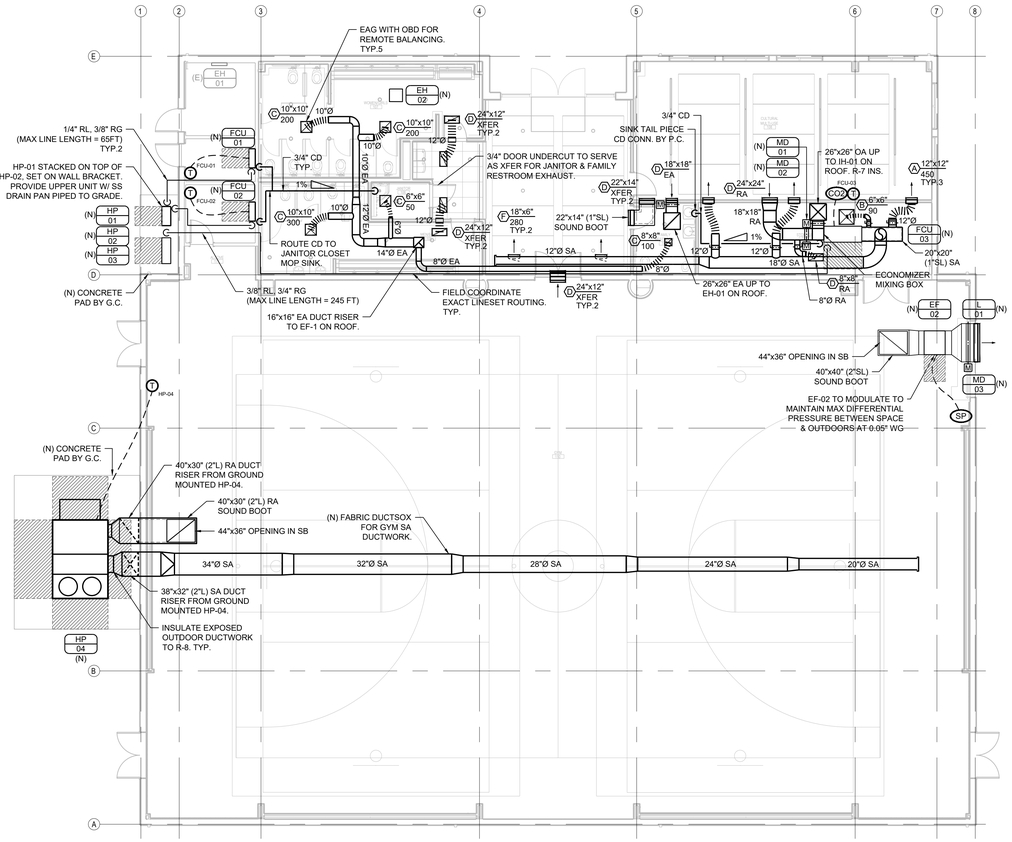
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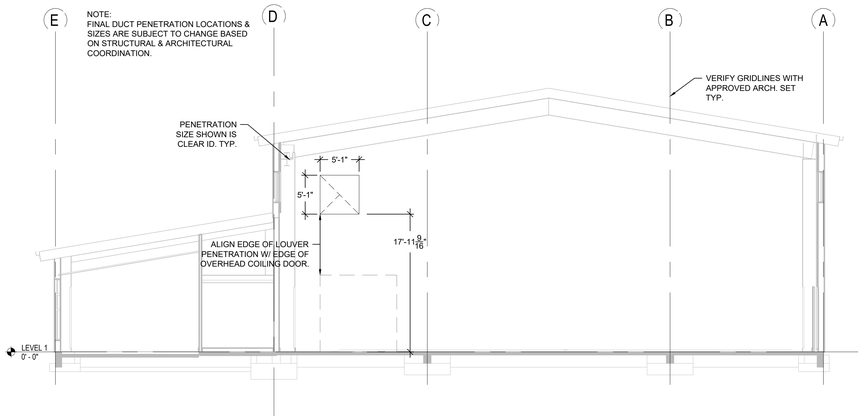
EQUIPMENT SCHEDULES & MECHANICAL DETAILS

H.HARDEN	T.TOUTONGHI
Designed By	Checked By
H.HARDEN	V.ULRICH-LEWIS
Drawn By	Project Manager
TBD	AS SHOWN
Job Number	Scale

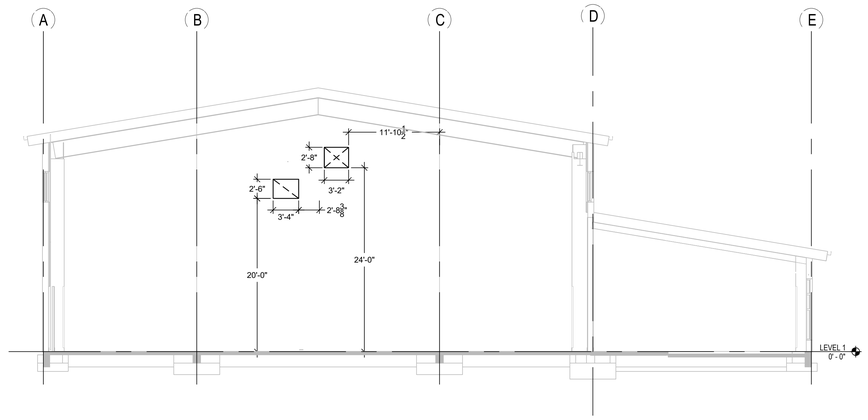
M0.10



PHASE 2 1ST FLOOR HVAC PLAN
1/8"=1'-0"



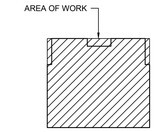
NORTH SECTION VIEW
1/8"=1'-0"



SOUTH SECTION VIEW
1/8"=1'-0"

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KEY PLAN



No.	Date	Description	By
3	11-02-2026	PERMIT SET	HH
2	06-30-2026	ISSUE FOR REVIEW	HH
1	06-22-2026	SCHEMATIC DESIGN SET	HH

Revisions

Project

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM - PHASE 2

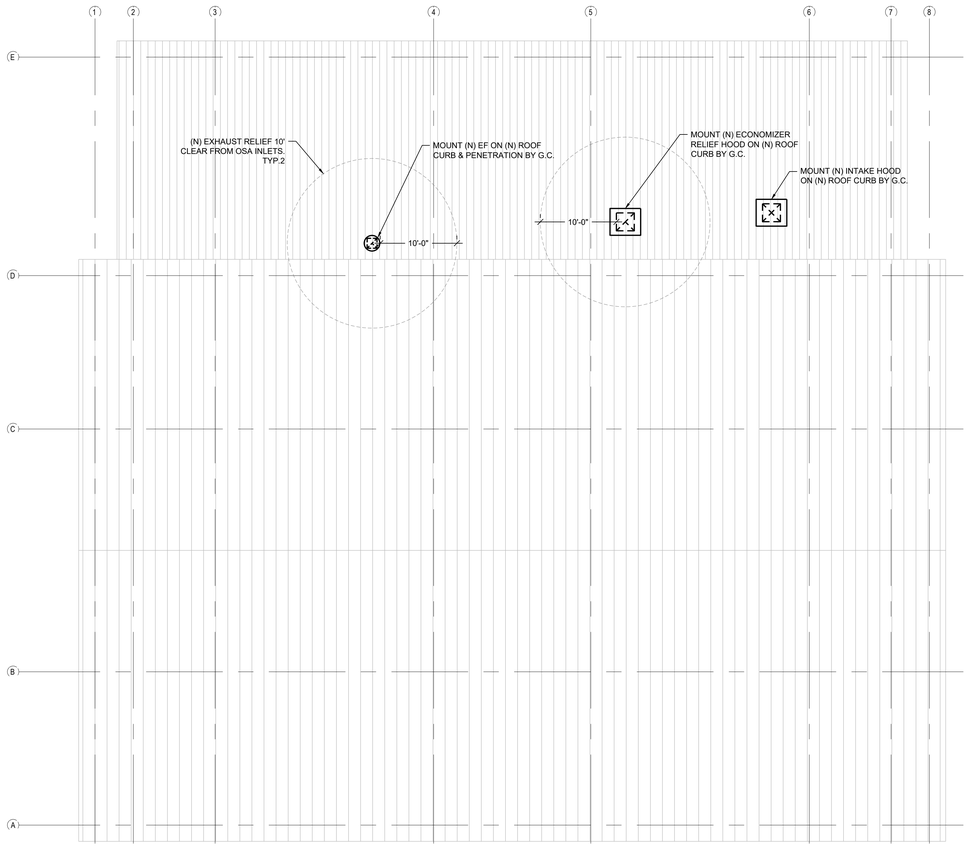
7607 TOTEM BEACH RD
TULALIP, WA 98271

Title

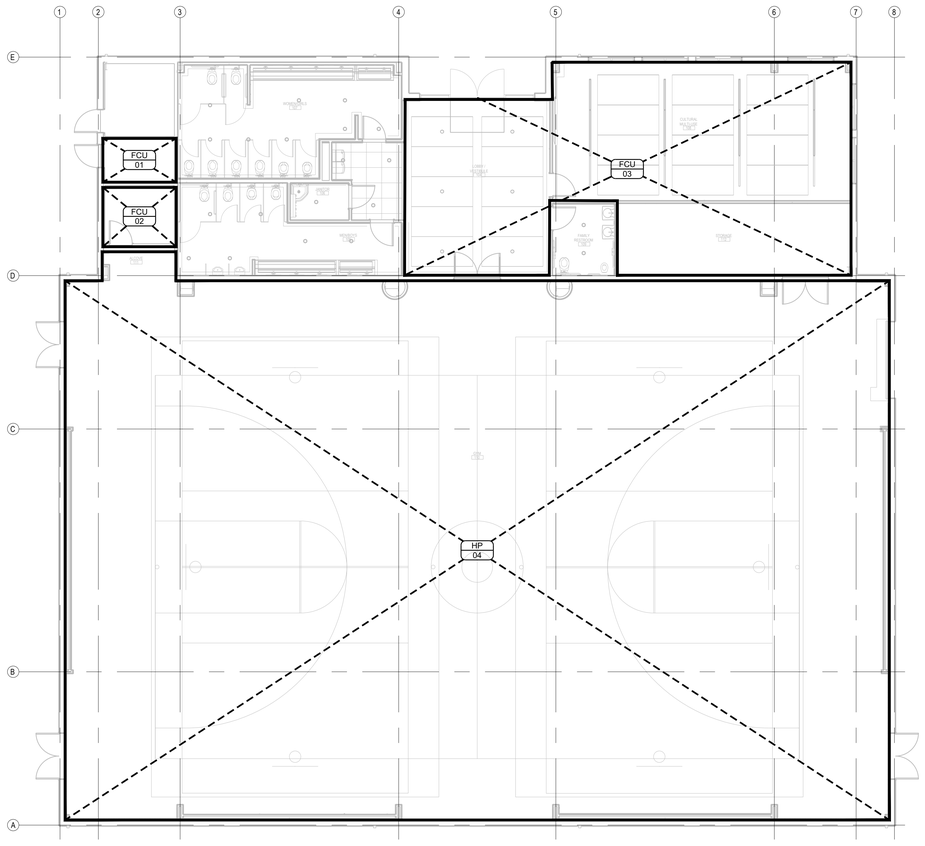
PHASE 1 & 2 1ST FLOOR HVAC PLAN & ELEVATION VIEWS

H.HARDEN	T.TOUTONGHI
Designed By	Checked By
H.HARDEN	V.ULRICH-LEWIS
Drawn By	Project Manager
TBD	AS SHOWN
Job Number	Scale

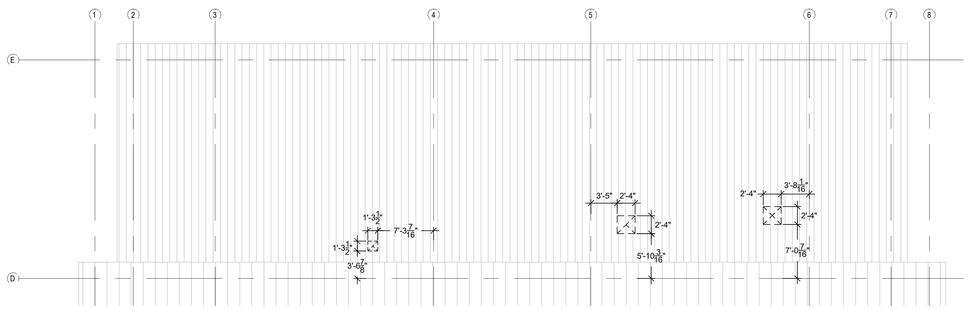
M1.01



PHASE 2 ROOF HVAC PLAN
1/8"=1'-0"



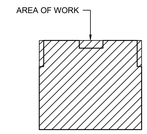
PHASE 2 1ST FLOOR ZONE PLAN
1/8"=1'-0"



ROOF COORDINATION PLAN
1/8"=1'-0"

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KEY PLAN



No.	Date	Description	By
3	11-02-2026	PERMIT SET	HH
2	06-30-2026	ISSUE FOR REVIEW	HH
1	06-22-2026	SCHEMATIC DESIGN SET	HH

Revisions

Project

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM - PHASE 2

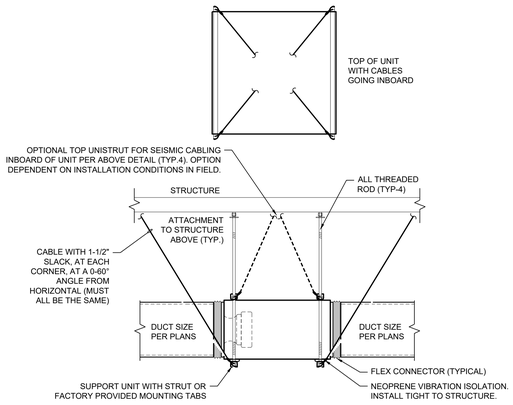
7607 TOTEM BEACH RD
TULALIP, WA 98271

Title

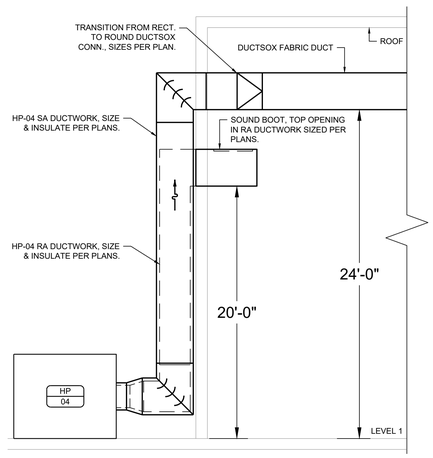
PHASE 2 ZONE PLAN, ROOF HVAC PLAN & COORDINATION PLAN

H.HARDEN	T.TOUTONGHI
Designed By	Checked By
H.HARDEN	V.ULRICH-LEWIS
Drawn By	Project Manager
TBD	AS NOTED
Job Number	Scale

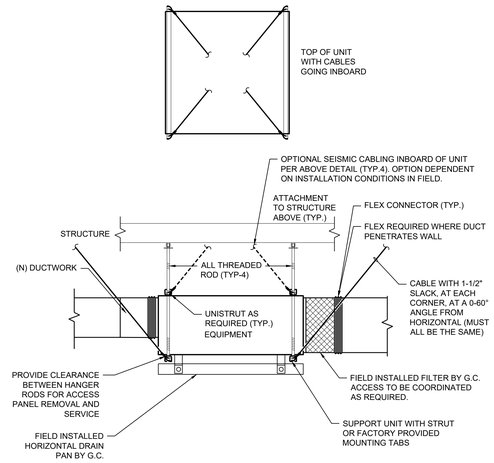
M1.02



1 INLINE FAN
SCALE: NONE



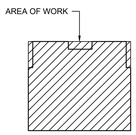
2 GYM HEAT PUMP ELEVATION DETAIL
SCALE: NONE



3 FAN COIL (DX) INSTALLATION DETAIL
SCALE: NONE

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KEY PLAN



No.	Date	Description	By
3	11-02-2026	PERMIT SET	HH
2	06-30-2026	ISSUE FOR REVIEW	HH
1	06-22-2026	SCHEMATIC DESIGN SET	HH

Revisions

Project
TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM - PHASE 2
7607 TOTEM BEACH RD
TULALIP, WA 98271

Title
MECHANICAL DETAILS

H.HARDEN — Designed By	T.TOUTONGHI — Checked By
H.HARDEN — Drawn By	V.ULRICH-LEWIS — Project Manager
TBD — Job Number	AS SHOWN — Scale

M5.01

TULALIP TRIBES BETTY J TAYLOR
EARLY LEARNING ACADEMY GYM - PHASE 2

PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	END CAP		BALL VALVE	PT	PRESSURE TRANSDUCER
	CONCENTRIC REDUCER		BUTTERFLY VALVE		AREA DRAIN
	FLOW ARROW		CHECK VALVE		FLOOR CLEANOUT
	PIPE DROP		CIRCUIT SETTER		FLOOR DRAIN
	PIPE RISER		GATE VALVE		FLOOR SINK, SQUARE OR ROUND
	TEE UP		GLOBE VALVE		HUB DRAIN
	TEE DOWN		NEEDLE VALVE		OVERFLOW DRAIN
	UNION		RELIEF VALVE		ROOF DRAIN
	P-TRAP		PRESSURE REDUCING VALVE / GAS REGULATOR VALVE		ROOF RECEPTOR
	HOSE BIBB		PRESSURE SUSTAINING VALVE		WALL CLEANOUT
	GAS COCK		MOTORIZED 2W-CV	M	INDICATES ITEMS FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR
GM	GAS METER		MOTORIZED BUTTERFLY 2W-CV	E	INDICATES ITEMS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR
A	AQUASTAT		MOTORIZED 3W-CV		ELECTRICAL EQUIPMENT CONNECTION LOCATION BY ELECTRICAL CONTRACTOR
BFP	BACKFLOW PREVENTER		DRAIN VALVE WITH END CAP	XX-1	PLUMBING FIXTURE CALLOUT
	DOUBLE CONTAINMENT PIPE SLEEVE		AIR VENT - AUTO	WCO-1	PLUMBING FIXTURE CALLOUT x1.5
	FLEX CONNECTION		AIR VENT - MANUAL	XX / #	PLUMBING RISER TAG
	HAMMER ARRESTOR		MOTORIZED BUTTERFLY 3W-CV (DIVERTING)	EQ / #	PLUMBING EQUIPMENT TAG
FM	FLOW METER TURBINE		MOTORIZED BUTTERFLY 3W-CV (MIXING)	# / PLxx	DETAIL BUBBLE
	PUMP		BALL VALVE WITH HOSE CONNECTION		POC
	THERMOMETER		PRESSURE GAUGE WITH SHUT-OFF VALVE	X%	PIPE SLOPE
	VACUUM BREAKER		PLUG VALVE		REVISION CLOUD
	INSULATION		MIXING VALVE	1	REVISION DELTA
T	TEMPERATURE SENSOR & THERMOWELL	S	SOLENOID VALVE	1	SHEET NOTE
FM	FLOW METER INLINE		SEISMIC SHUT-OFF VALVE		
T	PETE'S PLUG		STRAINER WITH BLOW DOWN VALVE		
	AUTO FLOW CONTROL		STRAINER		

LINE TYPE	DESCRIPTION	LINE TYPE	DESCRIPTION
	DOMESTIC COLD WATER (DCW)		GREASE WASTE UNDERGROUND (GWUG)
	DOMESTIC HOT WATER (DHW)	GRWUG	GREY WATER WASTE UNDERGROUND
	DOMESTIC HOT WATER RETURN (DHWR)	GRW	GREY WATER WASTE (GRW-SUDS)
RCW	RECLAIMED/RECYCLED WATER		GREY WATER WASTE SUDS
ICW	INDUSTRIAL COLD WATER	SEPD	SEWAGE EJECTOR PUMPED DISCHARGE
IHW	INDUSTRIAL HOT WATER	SPD	SUMP PUMP DISCHARGE
IHWR	INDUSTRIAL HOT WATER RETURN	CD	CONDENSATE DRAIN
IRR	IRRIGATION WATER	Ar	ARGON
TW	TEMPERED WATER	CA	COMPRESSED AIR
TP	TRAP PRIMER	CDA	CLEAN DRY AIR
FW	FILTERED WATER	IA	INSTRUMENT AIR
FOF	FUEL OIL FILL	LA	LAB AIR
FOR	FUEL OIL RETURN	N2	NITROGEN
FOS	FUEL OIL SUPPLY	O2	OXYGEN
FOV	FUEL OIL VENT	SG	SPECIALTY GAS
SFT	SOFT COLD WATER	LVAC	LAB VACUUM
NG	NATURAL GAS	PVAC	PROCESS VACUUM
MPG	NATURAL GAS - MEDIUM PRESSURE	HV	HOUSE VACUUM
HPG	NATURAL GAS - HIGH PRESSURE	DIR	DEIONIZED WATER RETURN
NGV	NATURAL GAS VENT	DIS	DEIONIZED WATER SUPPLY
	SANITARY WASTE UNDERGROUND (SWUG)	ROR	REVERSE OSMOSIS RETURN
	SANITARY WASTE (SW)	ROS	REVERSE OSMOSIS SUPPLY
	SANITARY WASTE SUDS (SW-SUDS)	PCWR	PROCESS COOLING WATER RETURN
	SANITARY VENT UNDERGROUND (SVUG)	PCWS	PROCESS COOLING WATER SUPPLY
	SANITARY VENT (SV)	LWUG	LAB WASTE UNDERGROUND
	STORM DRAIN UNDERGROUND (SDUG)	LW	LAB WASTE
	STORM DRAIN (SD)	LV	LAB VENT
	OVERFLOW DRAIN UNDERGROUND (ODUG)		
	OVERFLOW DRAIN (OD)		
GW	GREASE WASTE		

DRAWING INDEX

DRAWING INDEX KEY

- NOT INCLUDED WITH ISSUE
- ● NEW OR REVISED
- ○ NO CHANGES

SHEET NO	SHEET TITLE	DRAWING ISSUE: SD - PHASE 1 (06-26-2026)	PERMIT SET - PHASE 1 (07-22-2026)	PERMIT SET - PHASE 1 - R1 (09-08-2026)	PERMIT SET - PHASE 2 (11-13-2026)
	REVISION	1	2	3	4
P0.00	COVER SHEET	●	●	●	●
P0.01	CONSTRUCTION REQUIREMENTS				●
P0.10	FIXTURE & EQUIPMENT SCHEDULES				●
P2.00	UNDERGROUND PLUMBING PLAN	●	●	○	●
P2.01	1ST FLOOR PLUMBING PLAN				●
P2.R1	ROOF PLUMBING PLAN				●
P5.01	PLUMBING DETAILS		●	○	●

ABBREVIATIONS

ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AD	AREA DRAIN	MH	MANHOLE
AFF	ABOVE FINISHED FLOOR	MS	MOP SINK
AHJ	AUTHORITY HAVING JURISDICTION	N	NEW
AP	ACCESS PANEL	NC	NORMALLY CLOSED
AW	AUTOMATIC CLOTHES WASHER	NIC	NOT IN CONTRACT
BFF	BELOW FINISHED FLOOR	NO	NORMALLY OPEN
BOP	BOTTOM OF PIPE	NPT	NATIONAL PIPE THREAD
BT	BATHTUB	NTS	NOT TO SCALE
CFF	CAP FOR FUTURE	OD	OVERFLOW DRAIN
COTG	CLEAN OUT TO GRADE	PD	PLANTER DRAIN
CTE	CONNECT TO EXISTING	POC	POINT OF CONNECTION
DF	DRINKING FOUNTAIN	PRV	PRESSURE REDUCING VALVE
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH
DN	DOWN	PSIG	POUNDS PER SQUARE INCH(GAUGE)
E	EXISTING	R	RELOCATED
ED	EMERGENCY DRAIN	RD	ROOF DRAIN
EL	ELEVATION	SD	STORM DRAIN
EWH	ELECTRIC WATER HEATER	SE	SEWAGE EJECTOR
EX	EXPANSION TANK	SH	SHOWER
F	FUTURE	SK	BREAK ROOM/COFFEE SINK
FCO	FLOOR CLEAN OUT	SOV	SHUT-OFF VALVE
FD	FLOOR DRAIN	TD	TRENCH DRAIN
FF	FINISH FLOOR	TMV	THERMOSTATIC MIXING VALVE
FS	FLOOR SINK	TP	TRAP PRIMER
GD	GUTTER DRAIN	TYP	TYPICAL
GPM	GALLONS PER MINUTE	UR	URINAL
GRV	GAS REGULATOR VALVE	V	VENT
GW	GREASE WASTE	V	VESSEL
HB	HOSE BIBB	VIF	VERIFY IN FIELD
HD	HUB DRAIN	VTR	VENT THROUGH ROOF
IE	INVERT ELEVATION	WC	WATER CLOSET
IW	INDIRECT WASTE	WCO	WALL CLEAN OUT
JS	JANITOR SINK	WM	WATER METER
KS	KITCHEN SINK		
LV	LAVATORY		
MFS	MEDIA FILTER SYSTEMS		

APPLICABLE CODES

WASHINGTON PLUMBING PROJECTS:

ALL WORK SHALL BE IN FULL ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES, LAWS AND REGULATIONS. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH, BUT NOT LIMITED TO:

- 2015 INTERNATIONAL BUILDING CODE WITH WA AMENDMENTS
- 2015 NATIONAL ELECTRICAL CODE WITH WA AMENDMENTS
- 2015 INTERNATIONAL MECHANICAL CODE WITH WA AMENDMENTS
- 2015 UNIFORM PLUMBING CODE WITH WA AMENDMENTS
- 2015 WASHINGTON STATE ENERGY CODE
- 2015 INTERNATIONAL FIRE CODE WITH WA AMENDMENTS

ALL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING ADDITIONAL GUIDELINES WHERE REQUIRED BY CODE:

- SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA)
- AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS (ASHRAE)
- AMERICAN SOCIETY OF PLUMBING ENGINEERS (ASPE)
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)
- AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)
- NATIONAL FIRE PROTECTION AGENCY (NFPA)
- OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)

SCOPE OF WORK

PLUMBING TO SUPPORT NEW GYM. PROJECT INCLUDES FULL BUILDING BACKFLOW PREVENTER, AND BATHROOMS. HOT WATER PROVIDED BY HEAT PUMP WATER HEATER AND AN INSTANTANEOUS ELECTRIC WATER HEATER.

PHASE 1 - UNDERGROUND

PHASE 2 - ABOVE GROUND

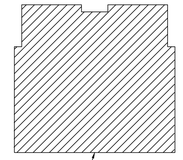
VICINITY MAP



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No.	Date	Description	By
4	11/13/2026	PERMIT SET - PHASE 2	CW
3	9/8/2026	PERMIT SET - PHASE 1 - R1	ADS
2	7/22/2026	PERMIT SET - PHASE 1	ADS
1	6/26/2026	SD - PHASE 1	ADS

Revisions

Project

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM - PHASE 2

7607 TOTEM BEACH RD
TULALIP, WA 98271

Title

COVER SHEET

A.STIENS	D.SHEARER
Designed By	Checked By
A.STIENS	V.ULRICH-LEWIS
Drawn By	Project Manager
TBD	AS NOTED
Job Number	Scale

P0.00

DFU LOADING MATRIX

FIXTURE	QTY	UNITS	SUBTOTAL
LAV SINK	13	1	13
WATER CLOSETS	14	6	84
URINALS	2	2	4
MOP SINK	1	3	3
DRINKING FOUNTAIN	1	0.5	0.5
FD (2")	3	4	12
TOTAL (DFU):			116.5 DFU

WSFU LOADING MATRIX

FIXTURE	QTY	UNITS (EA)	SUBTOTAL
LAV SINK	13	1	13
WATER CLOSETS	14	5	70
URINALS	2	4	8
MOP SINK	1	3	3
DRINKING FOUNTAIN	1	0.5	0.5
TRAP PRIMER (ELEC)	2	0.5	1.0
TOTAL WSFU:			95.5 WSFU
		GPM	66

PIPING VOLUME AND MAXIMUM PIPING LENGTHS (WSEC C404.3.1)

NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES PER FT LENGTH)	MAXIMUM PIPING LENGTH (FT)	
		PUBLIC LAVATORY FAUCETS	OTHER FIXTURES AND APPLIANCES
1/4	0.33	6	50
5/16	0.5	4	50
3/8	0.75	3	50
1/2	1.5	2	43
5/8	2	1	32
3/4	3	0.5	21
7/8	4	0.5	16
1	5	0.5	13
1 1/4	8	0.5	8
1 1/2	11	0.5	6
2 OR LARGER	18	0.5	4

DOMESTIC WATER SIZING TABLE

PER 2021 UPC APPENDIX A		COPPER TYPE L (SS SCH 10 4 INCH AND LARGER) PIPE SIZING TABLE								
DISTANCE FROM METER TO FURTHEST FIXTURE (FT)	161	SIZE	COLD WATER				HOT WATER			HOT WATER RETURN	
			MAX FLOW	VELOCITY (FPS)	FT WSFU	FV WSFU	MAX FLOW	VELOCITY (FPS)	FT WSFU	MAX FLOW	VELOCITY (FPS)
STATIC PRESSURE (PSIG)	68	1/2"	2.3	3.2	1	0	1.4	1.9	1	1.4	1.9
STATIC PRESSURE LOSS DUE TO HEIGHT (PSIG)	9	3/4"	6.0	4.0	7	0	3.7	2.4	3	3.7	2.4
TOTAL PRESSURE LOSS FROM DEVICES (PSIG)	15	1"	12.1	4.7	16	0	7.4	2.9	8	7.4	2.9
SYSTEM PRESSURE INSIDE BUILDING (PSIG)	41	1-1/4"	21	5.4	32	0	13	3.3	16	12	3.0
MIN REQUIRED PRESSURE FOR FIXTURES (PSIG)	25	1-1/2"	33	6.0	60	16	20	3.7	30	17	3.0
TDL FROM METER TO FURTHEST FIXTURE (FT)	209	2"	58	6.0	160	66	42	4.4	90	29	3.0
PRESSURE LOSS ALLOWED (PSIG)/100 FT	5.00	2-1/2"	89	6.0	315	186	74	5.0	245	45	3.0
PIPE SIZING TABLE LIMITS ARE BASED ON MAXIMUM PRESSURE DROP LISTED ABOVE AND/OR A MAXIMUM PIPE VELOCITY OF 6 FPS FOR DCW, 5 FPS FOR DHW		3"	127	6.0	506	396	106	5.0	406	64	3.0
		4"	267	6.0	1418	1418	222	5.0	1091	133	3.0
		6"	594	6.0	4070	4070	495	5.0	3150	297	3.0
		8"	1019	6.0	8300	8300	849	5.0	6280	509	3.0

MECHANICAL ID AND PLUMBING PIPE LABELLING

SYMBOL	SERVICE	MARKER LETTERING	MARKER COLOR	LETTER COLOR
DCW	DOMESTIC COLD WATER	POTABLE COLD WATER	GREEN	WHITE
DHW	DOMESTIC HOT WATER	POTABLE HOT WATER	GREEN	WHITE
DHWR	DOMESTIC HOT WATER RETURN	POTABLE HOT WATER RETURN	GREEN	WHITE
LCW*	LAB COLD WATER	NON-POTABLE COLD WATER	YELLOW	BLACK
LHW*	LAB HOT WATER	NON-POTABLE HOT WATER	YELLOW	BLACK
LHWR*	LAB HOT WATER RETURN	NON-POTABLE HOT WATER RETURN	YELLOW	BLACK
SW	SANITARY WASTE	SANITARY WASTE	YELLOW	BLACK
SV	SANITARY VENT	SANITARY VENT	YELLOW	BLACK

NOTES:
1. Install labell on piping mains every 40 ft and at all equipment connections.
2. Wrap piping label end with flow arrow tape, letter sizing per pipe size.
3. All labelling shall be per upc 607.3 / WAC.
4. *Additional labelling shall be per upc 601.3.2 / WAC - Yellow label w/ black letters - CAUTION: NON-POTABLE WATER, DO NOT DRINK

PIPING INSULATION REQUIREMENTS

(PER 2021 WSEC/SEC REQUIREMENTS SECTION C403.10.3)

FLUID OPERATING TEMP RANGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE SIZE (IN.)				
	CONDUCTIVITY BTU*IN/(HFT²*°F)	MEAN RATING TEMP., °F	<1	1 TO < 1 1/2	1 1/2 TO < 4	4 TO < 8	> 8
> 350	0.32 - 0.34	250	4.5	5.0	5.0	5.0	5.0
251 - 350	0.29 - 0.32	200	3.0	4.0	4.5	4.5	4.5
201 - 250	0.27 - 0.30	150	2.5	2.5	2.5	3.0	3.0
141 - 200	0.25 - 0.29	125	1.5	1.5	2.0	2.0	2.0
105 - 140	0.21 - 0.28	100	1.0	1.0	1.5	1.5	1.5
40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0	1.0
< 40	0.20 - 0.26	75	0.5	1.0	1.0	1.0	1.5

NOTES:
1. FOR PIPING SMALLER THAN 1 1/2" AND LOCATED IN PARTITIONS WITHIN CONDITIONED SPACES, REDUCTION OF THESE THICKNESSES BY 1" SHALL BE PERMITTED BUT NOT TO A THICKNESS LESS THAN 1".
2. INSULATION IS NOT REQUIRED FOR CONDENSATE DRAIN PIPING FROM A DX COOLING COIL PER WSEC/SEC 403.10.3 EXCEPTION 3. IT IS RECOMMENDED THAT IF THE DRAIN PIPING IS LOCATED WITHIN A PLENUM THAT IS NOT USED AS A RETURN AIR PATH, OR OTHER UNCONDITIONED SPACE WITH LIMITED AIRFLOW, THE DRAIN PIPE SHOULD BE INSULATED WITH 0.5" THICK INSULATION TO PREVENT CONDENSATION ON THE OUTSIDE OF THE PIPE.

PLUMBING PIPING SCHEDULE

SERVICE	LOCATION	SIZE	PIPE TYPE	MATL STD	FITTINGS	JOINTS	WORKING PRESS.	TEST PRESS.
COLD WATER	ABV GRADE	¾" - 2"	COPPER TYPE L	ASTM B88	WROUGHT COPPER	WATER SAFE SOLDER	80 PSIG	150 PSIG
HOT WATER			COPPER TYPE L	ASTM B88	TEE DRILL COPPER, BRASS	WATER SAFE SOLDER		
HOT WATER CIRC			COPPER TYPE L	ASME B16.51	COPPER ALLOY	PRESS		
		2½" AND ABOVE	COPPER TYPE L	ASTM B88	WROUGHT COPPER TEE DRILL OR FLANGED	SILVER BRAZED WATER SAFE SOLDER		
SANITARY WASTE	ABV GRADE	1½" AND ABV	COPPER DWV NO HUB CI	ASTM B306 CISPI 301	COPPER DWV	50/50 SOLDER	AMBIENT	10 FT H_2O
VENT					NO HUB CI	NO HUB		
SANITARY WASTE	BLW GRADE	1½" AND ABV	SCH 40 PVC	ASTM D1785	SCH 40 PVC	SOCKET WELD	AMBIENT	10 FT H_2O
VENT								
DCW	BLW GRADE	1/2" & ABV	WRAPPED COPPER TYPE K	ASTM B88	WROUGHT COPPER	SILVER BRAZED	80 PSIG	150 PSIG

PLUMBING GENERAL NOTES

1. EXCEPT AS MODIFIED BY A WRITTEN CONTRACT SIGNED BY ACCO MECHANICAL CONTRACTORS (THE "DESIGN-BUILDER"), THE DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS, INCLUDING THOSE IN ELECTRONIC FORM PREPARED BY OR FOR AND/OR FURNISHED BY DESIGN-BUILDER ARE "INSTRUMENTS OF SERVICE." THE DESIGN-BUILDER, DESIGN-BUILDER'S CONSULTANTS AND OTHER PROVIDERS OF PROFESSIONAL SERVICES INDIVIDUALLY SHALL RETAIN A FULLY PREPAID, UNRESTRICTED, PERPETUAL LICENSE IN THE INSTRUMENTS OF SERVICE AS WELL AS ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT IN THOSE INSTRUMENTS OF SERVICE FURNISHED BY THEM.

   THE INSTRUMENTS OF SERVICE FURNISHED BY DESIGN-BUILDER ARE FOR SOLE USE BY DESIGN-BUILDER IN CONSTRUCTING THE SUBJECT PROJECT. THE INSTRUMENTS OF SERVICE ARE NOT SUITABLE FOR BIDDING OR CONSTRUCTING BY OTHER CONTRACTORS. THEREFORE, IF DESIGN-BUILDER IS NOT RETAINED AS THE DESIGN-BUILD CONTRACTOR TO PERFORM THE WORK DEPICTED IN THE INSTRUMENTS OF SERVICE,WITHOUT THE PRIOR WRITTEN CONSENT OF THE DESIGN BUILDER, THE INSTRUMENTS OF SERVICE MAY NOT BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT FOR GENERAL REFERENCE. DESIGN-BUILDER DISCLAIMS ALL LIABILITY FOR ANY ADAPTATION, MODIFICATION, OR INTERPRETATION OF THE INSTRUMENTS OF SERVICE OR FOR ANY OTHER UNAUTHORIZED USE OF THESE INSTRUMENTS OF SERVICE.

2. THESE DOCUMENTS WERE PREPARED FOR CONSTRUCTION BY DESIGN-BUILDER ONLY. DESIGN-BUILDER DEVELOPED THESE DOCUMENTS WITH ENGINEERING SOLUTIONS AND CONSTRUCTION MEANS AND METHODS UNIQUE TO DESIGN-BUILDER FOR THE CONSTRUCTION OF THE SUBJECT PROJECT AND ARE NOT APPROPRIATE FOR OTHERS TO BID OR BUILD FROM. IN ADDITION, THESE DRAWINGS WERE DEVELOPED FROM INFORMATION MADE KNOWN TO DESIGN-BUILDER AS OF THE DATE OF THE DOCUMENT AND WOULD NOT INCLUDE LATER CHANGES ALL PLUMBING FIXTURES ARE TO BE LOCATED AND MOUNTED PER THE ARCHITECTURAL FLOOR PLANS AND ELEVATIONS.

3. HOT WATER SUPPLY AND RECIRCULATING PIPING TO BE INSULATED PER THE PIPE INSULATION REQUIREMENTS TABLE ON THIS SHEET. THE INSULATION SHALL MEET MAXIMUM FLAME SPREAD: 25, MAXIMUM FUEL CONTRIBUTED: 50,AND MAXIMUM SMOKE DEVELOPMENT: 50.

4. WATER AND DRAIN PIPES AND ANGLE VALVES UNDER LAVATORIES FOR PERSONS WITH DISABILITIES SHALL BE INSULATED PER ADA STANDARD.

5. WATER HEATERS SHALL BE SECURED IN PLACE WITH (2) 26 GA x 1 1/2" SHEET METAL STRAP AROUND THE WATER HEATER. STRAPS SHALL BE INSTALLED ON THE UPPER 1/3 AND LOWER 1/3 OF THE WATER HEATER, AND SECURED AT EACH END BY A #12 SCREW EMBEDDED MINIMUM 1 1/2" INTO SOLID WOOD STUDS (OR MIN. 1" INTO METAL STUDS). THE BOTTOM STRAP SHALL BE LOCATED ABOVE CONTROLS.

6. ALL PLUMBING VENTS SHALL TERMINATE THRU ROOF NOT LESS THAN 12" ABOVE DECK, NOT LESS THAN 10' FROM ANY OUTSIDE AIR INTAKE OR OPENING TO BUILDING, AND NOT LESS THAN 3' FROM ANT EXTERIOR WALL/PARAPET OF THE BUILDING.

7. BY OTHERS.
   A. GENERAL CONTRACTOR: ALL ACCESS PANELS, CUTTING, PATCHING, FRAMING, FURRING, PAINTING, AND CONCRETE WORK.
   B. ELECTRICAL CONTRACTOR: ALL ELECTRICAL SERVICE REQUIRED FOR PLUMBING EQUIPMENT
   C. MECHANICAL CONTRACTOR: ALL MECHANICAL EQUIPMENT AND DRAIN PANS.

8. VERTICAL CHECK VALVES SHALL BE SPRING TYPE. HORIZONTAL CHECK VALVE SHALL BE SWING TYPE.

9. ALL FAUCETS ARE TO BE OPERABLE WITH ONE HAND WITHOUT REQUIRING GRASPING OR TWISTING. THE FORCE TO OPERATE SHALL NOT EXCEED 5 LBS, TYPICAL ALL FAUCETS.

10. POTABLE WATER SYSTEMS TO BE DISINFECTED AS REQUIRED BY UPC/SPC AND THE AHJ.

11. SANITARY SEWER WASTE AND LAB WASTE DRAIN LINES TO BE SLOPED AT MINIMUM 1/4" PER 1'-0". 4" OR GREATER MAY BE SLOPED AT MINIMUM 1/8" PER 1'-0" WITH APPROVAL FROM THE AHJ.

12. POINT OF CONNECTION TO THE EXISTING PIPING SHALL BE VERIFIED IN THE FIELD. EXACT LOCATION OF POINT CONNECTION MAY VARY BASED ON THE ACTUAL FIELD CONDITIONS.

13. ALL CLEANOUTS TO BE LOCATED AT ACCESSIBLE LOCATIONS.

14. ALL CONDENSATE PIPING TO BE SLOPED AT 1/8" PER 1'-0" MIN, AND IN FULL COMPLIANCE WITH UPC/SPC .

15. FIXTURES WITH SEPARATE HOT AND COLD SUPPLY HANDLES INCLUDING BUT LIMITED TO 3 COMP SINK, PRE-RINSE SINK, JANITOR SINK, MOP SINK, SHALL HAVE CHECK VALVES INSTALLED IN THE HOT AND COLD WATER SUPPLIES TO PREVENT CROSSOVER.

16. FOR RECYCLED WATER:

    PROVIDE SIGN PURPLE (PANTONE COLOR #512) BACKGROUND AND SHALL BE IMPRINTED IN NOMINAL 1/2" HIGH, BLACK UPPER CASE LETTERS, WITH THE WORDS "CAUTION: RECYCLED WATER, DO NOT DRINK" IN COMPLIANCE WITH UPC/SPC .

    AN INITIAL AND SUBSEQUENT ANNUAL CROSS-CONNECTION INSPECTION AND TEST SHALL BE PREFORMED ON BOTH POTABLE AND RECLAIMED WATER SYSTEMS IS REQUIRED PER UPC/SPC .

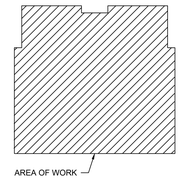
17. SHOP DRAWING AND ENGINEERING CALCULATIONS FOR ANCHORAGE, SUPPORT, AND SEISMIC BRACING OF MECHANICAL EQUIPMENT, PIPING, ETC. NOT SHOWN ON DRAWING SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE SUBMITTED TO THE AHJ AS A DEFERRED SUBMITTAL PACKAGE.

18. INFRASTRUCTURE NEEDED FOR PIPING AND EQUIPMENT SUPPORT ATTACHMENTS SUCH AS WALL BACKING, DESIGN OF CONCRETE PADS, ETC. SHALL BE INDICATED ON STRUCTURAL DRAWINGS.

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2	7/22/2026	PERMIT SET - PHASE 1	ADS
1	6/26/2026	SD - PHASE 1	ADS

Revisions

Project

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM - PHASE 2

7607 TOTEM BEACH RD
TULALIP, WA 98271

Title

CONSTRUCTION REQUIREMENTS

A.STIENS	D.SHEARER
Designed By	Checked By
A.STIENS	V.ULRICH-LEWIS
Drawn By	Project Manager
TBD	AS NOTED
Job Number	Scale

P0.01

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	ITEM	MANUFACTURER	MODEL No.	ROUGH-IN					ELECTRICAL		REMARKS
					WASTE	VENT	DHW	DCW	FLOWRATE	AMP.	V-ϕ	
WC-1	WATER CLOSET	TOILET: FLUSH V: SEAT:	AMERICAN STANDARD SLOAN AMERICAN STANDARD	2857.128 SOLIS 8111 TRK 5901.100	4"	2"	-	1-1/2"	1.28 GPF	- - -	- - -	FLOOR MOUNTED, WHITE, VITREOUS CHINA, ELONGATED BOWL, BATTERY SENSOR FLUSH VALVE, TOP SPUD
WC-2	ADA WATER CLOSET	TOILET: FLUSH V: SEAT:	AMERICAN STANDARD SLOAN AMERICAN STANDARD	2857.128 SOLIS 8111 TRK 5901.100	4"	2"	-	1-1/2"	1.28 GPF	- - -	- - -	FLOOR MOUNTED, WHITE, VITREOUS CHINA, ELONGATED BOWL, BATTERY SENSOR FLUSH VALVE, TOP SPUD, ADA COMPLIANT
WC-3	WATER CLOSET	TOILET: FLUSH V: SEAT:	AMERICAN STANDARD SLOAN AMERICAN STANDARD	2282.001 SOLIS 8111 TRK 5385.010	4"	2"	-	1-1/2"	1.28 GPF	- - -	- - -	CHILD HEIGHT, FLOOR MOUNTED, WHITE, VITREOUS CHINA, ELONGATED BOWL, BATTERY SENSOR FLUSH VALVE, TOP SPUD
UR-1	URINAL	URINAL: FV: CARRIER:	KOHLER SLOAN -	K-4991-ET-0 SOLIS 8186 TRK -	2"	2"	-	3/4"	0.125 GPF	- - -	- - -	WALL HUNG, WHITE VITREOUS CHINA
LV-1	LAVATORY	SINK: FAUCET: TMV:	TBD SLOAN WATTS	TBD EAF-250 LFG4810	2"	2"	1/2"	1/2"	0.5 GPM	- - -	- - -	POLISHED CHROME FAUCET, ASSE 1070 MIXING VALVE, BATTERY SENSOR FAUCET, CASEWORK SINK BY OTHERS, ADA COMPLIANT
LV-2	LAVATORY	SINK: FAUCET: TMV:	TBD SLOAN WATTS	TBD EAF-250 LFG4810	2"	2"	1/2"	1/2"	0.5 GPM	- - -	- - -	POLISHED CHROME FAUCET, ASSE 1070 MIXING VALVE, BATTERY SENSOR FAUCET, CHILD HEIGHT CASEWORK SINK BY OTHERS
LV-3	LAVATORY	SINK: FAUCET: TMV:	KOHLER SLOAN WATTS	K-1999-1 EAF-250 LFG480	2"	2"	1/2"	1/2"	0.5 GPM	- - -	- - -	WALL HUNG, WHITE VITREOUS CHINA, ASSE 1070 MIXING VALVE, REAR CENTER DRAIN, 19-3/4" x 22-3/16", POLISHED CHROME FAUCET, BATTERY SENSOR FAUCET, ADA COMPLIANT
LV-4	LAVATORY	SINK: FAUCET: TMV:	KOHLER SLOAN WATTS	K-1999-1 EAF-250 LFG480	2"	2"	1/2"	1/2"	0.5 GPM	- - -	- - -	WALL HUNG, CHILD HEIGHT, WHITE VITREOUS CHINA, ASSE 1070 MIXING VALVE,REAR CENTER DRAIN, 19-3/4" x 22-3/16", POLISHED CHROME FAUCET, BATTERY SENSOR FAUCET
DF-1	DRINKING FOUNTAIN	FOUNTAIN:	ELKAY	LZSTL8WSBPRO	2"	2"	-	1/2"	0.5 GPM	5	115V	HIGH-LOW REFRIGERATED DRINKING FOUNTAIN WITH BOTTLE FILLER, 8 GPH CHILLING CAPACITY, WALL-HUNG, BLACK STAINLESS FINISH, ADA COMPLIANT
MS-1	MOP SINK	BASIN: FAUCET:	KOHLER ZURN	K-6710-0 Z843M1-XL	3"	2"	3/4"	3/4"	2.2 GPM	- -	- -	CORNER BASIN, WHITEFINISH, 28"L X 28"W
WHA-1	WATER HAMMER ARRESTOR	ARRESTOR	SIOUX CHIEF	652-AS	-	-	-	1/2"	-	-	-	SWEAT CONNECTION, COPPER BODY, UP TO 11 WSFU
WHA-2	WATER HAMMER ARRESTOR	ARRESTOR	SIOUX CHIEF	652-CS	-	-	-	1"	-	-	-	SWEAT CONNECTION, COPPER BODY, UP TO 60 WSFU
TP-1	TRAP PRIMER	PRIMER:	PPP	FVP-1VB	-	-	-	1/2"	-	-	-	FLUSH VALVE TRAP PRIMER

DRAIN & CLEANOUT SCHEDULE

TAG	DESCRIPTION	SIZE	MANUFACTURER	MODEL No.	REMARKS
FD-1	FLOOR DRAIN	2"	SIOUX CHIEF	832-APSRD	ROUND, PVC ADAPTER, ROUND STAINLESS STEEL COVER, VANDAL-RESISTANT STRAINER SCREWS
FCO-1	FLOOR CLEANOUT	4"	SIOUX CHIEF	822-C4PSRV	ROUND, PVC ADAPTER, ROUND STAINLESS STEEL COVER, VANDAL-RESISTANT STRAINER SCREWS
WCO	WALL CLEANOUT	2"	SIOUX CHIEF	853-T22I	NO HUB CAST IRON CLEANOUT TEE WITH BRASS PLUG
		4"	SIOUX CHIEF	853-T24I	NO HUB CAST IRON CLEANOUT TEE WITH BRASS PLUG

HYBRID HEAT PUMP/ELECTRIC WATER HEATER SCHEDULE

TAG	LOCATION	MANUFACTURER	MODEL No.	DIMENSIONS	GPH @ 80°F RISE	EWT	LWT	ELECTRICAL DATA				UEF PER DOE	MIN ROOM VOLUME REQ'D (CU FT)	STORAGE (GAL)	WEIGHT (lbs)	REMARKS
								MCA	KW	VOLTAGE	EMERGENCY POWER					
HPWH-1	JANITOR CLOSET	AO SMITH	CAHP-80	69"H x 26.5"Ø	31	40	120	0.5	4.5	208V-1ϕ	N	3.84	83	80	970	JANITOR CLOSET MECHANICALLY EXHAUSTED WITH AN UNDERCUT DOOR

PUMP SCHEDULE

TAG	LOCATION	DESCRIPTION	MANUFACTURER	MODEL No.	GPM	HEAD (ft)	ELECTRICAL DATA							WEIGHT (lbs)	REMARKS
							BHP	HP	MCA	MFA/ MOCP	SCCR (KA)	VOLTAGE	EMERGENCY POWER		
RCP-1	JANITOR CLOSET	CIRCULATION PUMP	GRUNDFOS	ALPHA	3	4	2 W	38 W	0.71	-	-	_V-_ϕ	N	5.25	-

TANK SCHEDULE

TAG	LOCATION	DESCRIPTION	SERVICE	MANUFACTURER	MODEL No.	DIMENSIONS	CAPACITY	CONN. SIZE	WEIGHT (lbs)	REMARKS
ET-1	JANITOR CLOSET	EXPANSION TANK	DHW	AMTROL	ST-5	13"H x 8"Ø	2 GALLONS	3/4"	22	150 PSIG MAX WORKING PRESSURE

BACKFLOW PREVENTER SCHEDULE

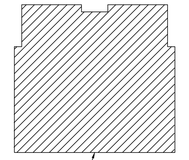
TAG	LOCATION	MANUFACTURER	MODEL No.	SERVICE	SIZE	REMARKS
BFP-1	SPRINKLER ROOM	WATTS	LF009	DCW	2"	STRAINER, QUARTER TURN VALVE, AIR GAP, NSF 61 LEAD FREE

WATER HEATER SIZING HPWH-1

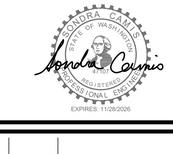
FIXTURE	QTY	GPH	SUBTOTAL	DIVERSITY	STORAGE	
LAVATORIES	13	8	104	40%	100%	TOTAL DEMAND = 124 GPH RECOVERY RATE = 124 GPH x 0.4 = 50 GPH STORAGE = 50 GPH x 1.0 = 50 GALLONS BTU/H INPUT = GPH x LBS H_2O x ΔT x 1/(THERMAL EFF.) 50 GPH x 8.345 LBS H_2O x 80°F x 1/0.98 = 33,768 BTU/H 33,768 BTU/H x (1 BTU/H)/3,412 kW = 9.7 kW SELECTED STORAGE & INPUT = 80 GALLONS & 20,597 BTU/H PEAK HOURLY DEMAND = 50 + 50 = 100 GALLONS REQUIRED RECOVERY = 100 - 80 = 19 GPH 17 GPH x 8.345 LBS H_2O/GAL x 80°F x 1/0.98 = 13,072 BTU/H 13,072 BTU/H x (1 BTU/H)/3,412 kW = 3.8 kW
MOP SINK	1	20	20			
TOTAL			124	50	50	

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2	7/22/2026	PERMIT SET - PHASE 1	ADS
1	6/26/2026	SD - PHASE 1	ADS

Revisions

Project

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM - PHASE 2

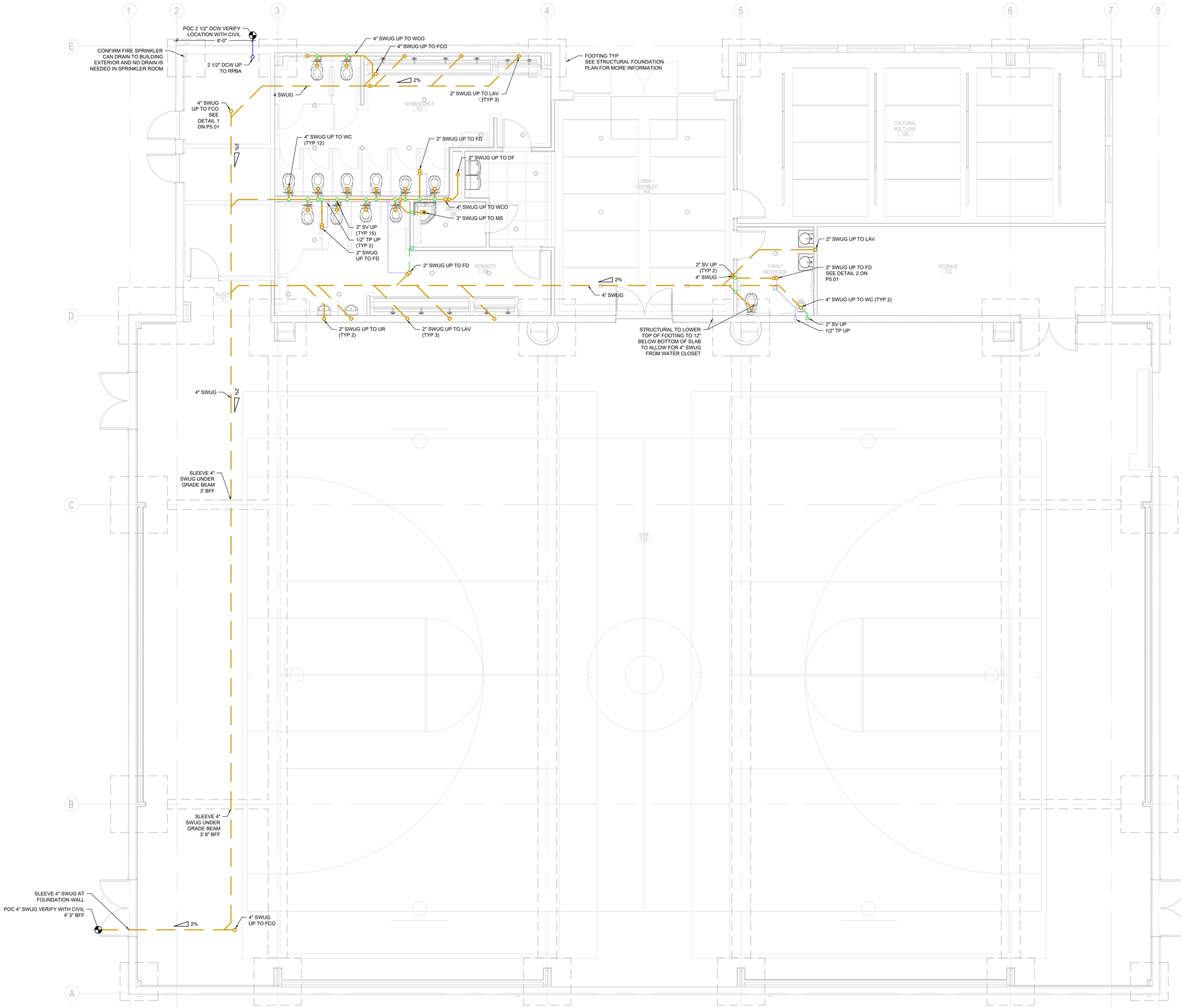
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Title

FIXTURE & EQUIPMENT SCHEDULES

A.STIENS Designed By	D.SHEARER Checked By
A.STIENS Drawn By	V.ULRICH-LEWIS Project Manager
TBD Job Number	AS SHOWN Scale

P0.10



UNDERGROUND PLUMBING PLAN

1/4"=1'-0"

GENERAL NOTES

1. ALL UNDERGROUND PLUMBING PERMITTED UNDER PHASE 1

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AREA OF WORK

KEY PLAN

SANDRA CAMUS — STATE OF WASHINGTON — 21701 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES: 11/26/2026

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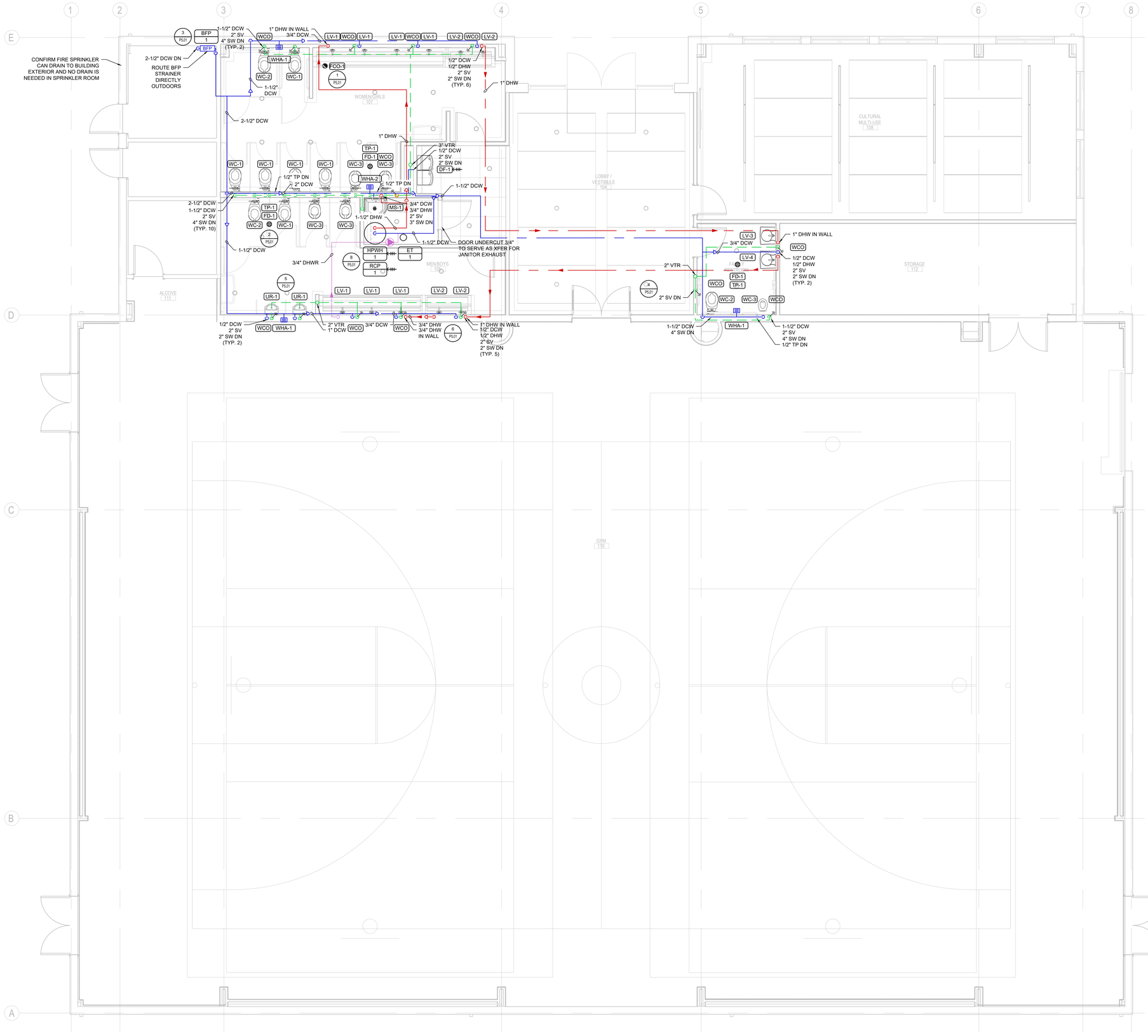
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Title

UNDERGROUND PLUMBING PLAN

A.STIENS — Designed By	D.SHEARER — Checked By
A.STIENS — Drawn By	V.ULRICH-LEWIS — Project Manager
TBD — Job Number	AS NOTED — Scale

P2.00

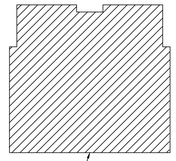


FIRST FLOOR PLUMBING PLAN
1/4"=1'-0"

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Revisions

Project

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM - PHASE 2

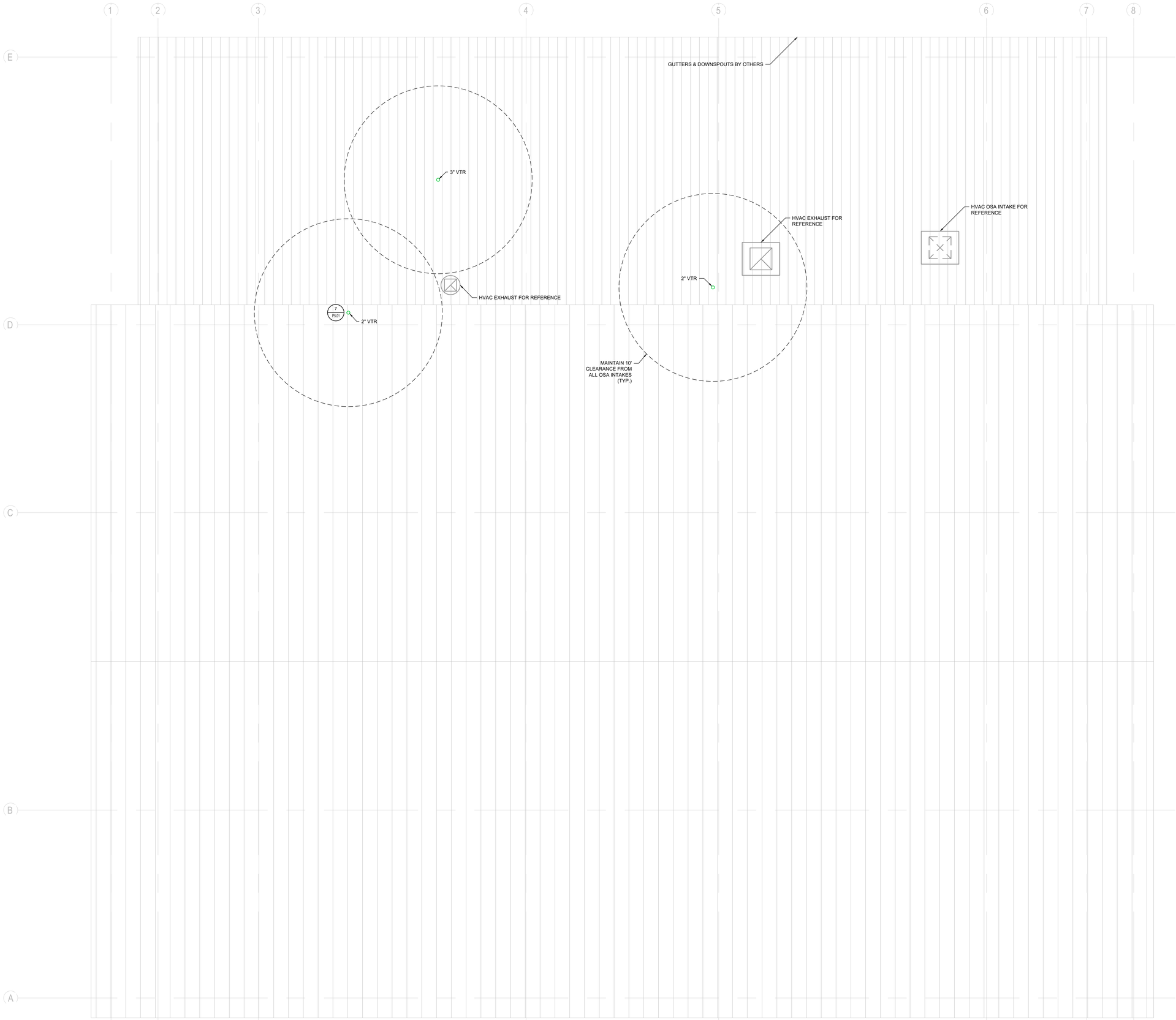
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TULALIP, WA 98271

Title

1ST FLOOR PLUMBING PLAN

A.STIENS	D.SHEARER
Designed By	Checked By
A.STIENS	V.ULRICH-LEWIS
Drawn By	Project Manager
TBD	AS NOTED
Job Number	Scale

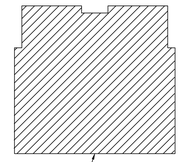
P2.00



ROOF PLUMBING PLAN
1/4"=1'-0"

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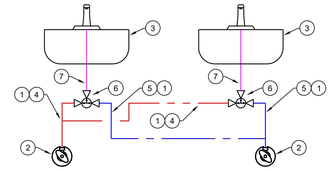
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Title

ROOF PLUMBING PLAN

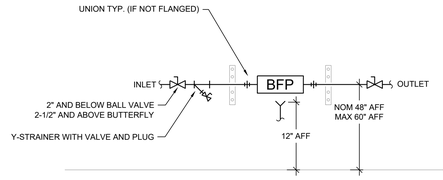
A.STIENS	D.SHEARER
Designed By	Checked By
A.STIENS	V.ULRICH-LEWIS
Drawn By	Project Manager
TBD	AS NOTED
Job Number	Scale

P2.R1

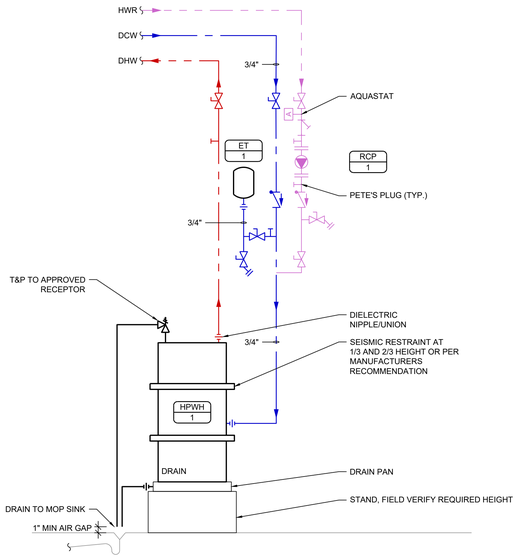


1. RIGID SUPPLY TUBING ONLY, NO FLEX CONNECTIONS PERMITTED
2. ANGLE STOP
3. LAVATORY
4. HOT WATER LINE
5. COLD WATER LINE (OR TEMPERED WATER, IF FAUCET IS METERED)
6. THERMOSTATIC MIXING VALVE. MIXING VALVE AND HANDS FREE CONTROLLER MAY BE INTEGRATED INTO FAUCET. SEE FIXTURE SCHEDULE.
7. TEMPERED WATER LINE

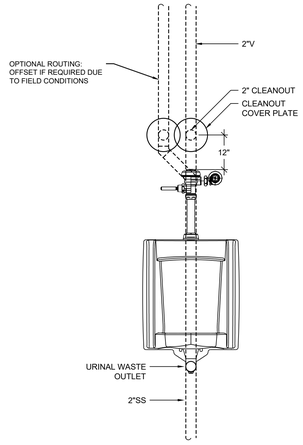
6 2 LAVY'S W/ INDIVIDUAL MIXING VALVES
SCALE: NONE



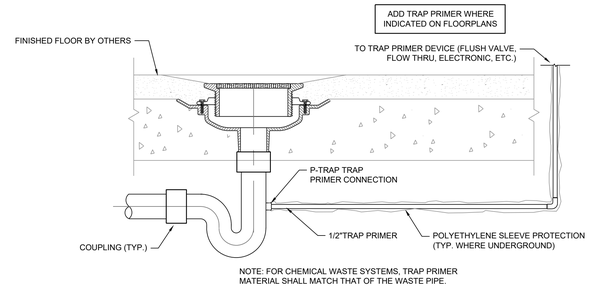
3 BFP WALL-MOUNTED
SCALE: NONE



8 TANK-STYLE HEAT PUMP WATER HEATER
SCALE: NONE

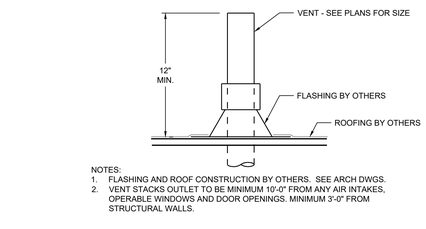


5 URINAL CLEANOUT
SCALE: NONE



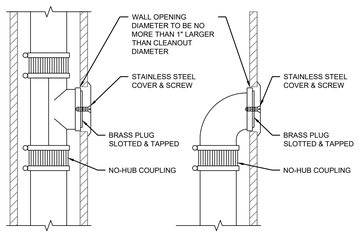
NOTE: FOR CHEMICAL WASTE SYSTEMS, TRAP PRIMER MATERIAL SHALL MATCH THAT OF THE WASTE PIPE.

2 FLOOR DRAIN/SINK
SCALE: NONE

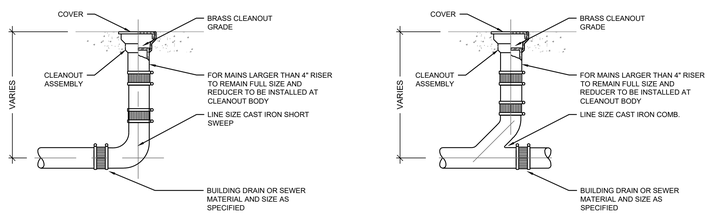


NOTES:
1. FLASHING AND ROOF CONSTRUCTION BY OTHERS. SEE ARCH DWGS.
2. VENT STACKS OUTLET TO BE MINIMUM 10'-0" FROM ANY AIR INTAKES, OPERABLE WINDOWS AND DOOR OPENINGS. MINIMUM 3'-0" FROM STRUCTURAL WALLS.

7 VTR TERMINATION
SCALE: NONE



4 WALL CLEANOUT
SCALE: NONE

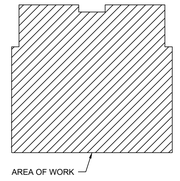


1 FLOOR CLEANOUT
SCALE: NONE

acco engineered systems

5300 DENVER AVENUE SOUTH
SEATTLE, WASHINGTON 98108
(206) 787-8500

THE PLANS AND SPECIFICATIONS HEREIN ARE OWNED BY AND FOR THE SOLE USE OF ACCO ENGINEERED SYSTEMS, INC. ("ACCO"), AND MAY NOT BE REPRODUCED OR USED BY OTHERS FOR ANY PURPOSE UNLESS AUTHORIZED BY ACCO IN WRITING. ACCO CANNOT ACCEPT ANY LIABILITY, WARRANTY, OR OBLIGATION IN THE EVENT OF UNAUTHORIZED USE.



KEY PLAN



No.	Date	Description	By
4	11/13/2026	PERMIT SET - PHASE 2	CW
3	9/8/2026	PERMIT SET - PHASE 1 - R1	ADS
2	7/22/2026	PERMIT SET - PHASE 1	ADS
1	6/26/2026	SD - PHASE 1	ADS

Revisions

Project

TULALIP TRIBES BETTY J TAYLOR EARLY LEARNING ACADEMY GYM - PHASE 2

7607 TOTEM BEACH RD
TULALIP, WA 98271

Title

PLUMBING DETAILS

A.STIENS	D.SHEARER
Designed By	Checked By
A.STIENS	V.ULRICH-LEWIS
Drawn By	Project Manager
TBD	AS SHOWN
Job Number	Scale

P5.01

INSURANCE REQUIREMENTS
EXHIBIT E

INSURANCE REQUIREMENTS

1. Prior to commencing any work, the Subcontractor shall, at its sole expense, procure and maintain insurance as required by this Exhibit, covering claims arising from the Subcontractor's operations, the acts or omissions of any sub-tier subcontractors, or any person directly or indirectly employed by any of them, or for whom they may be liable. Subcontractor shall maintain the required insurance through the statute of repose or the amount of time the Subcontractor is legally liable for the work, whichever is greater, including products / completed operations or construction defect liability in the applicable project jurisdiction. All required insurance shall be purchased from an insurance company or companies lawfully authorized to issue insurance in the jurisdiction where the project is located. All insurance companies shall have an A.M. Best Rating of A- VII or greater.

2. If Subcontractor maintains limits greater than the minimums required herein, such limits become what we require under this **Exhibit.** If any policy form or endorsement provided in compliance with this **Exhibit** states the coverage provided to an additional insured shall be no broader than that required by contract, the parties herein agree that nothing in this **Exhibit** is intended to restrict or limit the extent of such coverage or limits available to the Contractor.

3. Certificates of Insurance shall be provided to Contractor **prior** to Subcontractor commencing work on the job site and at each renewal or replacement of all insurance policies required in a manner acceptable to Contractor evidencing compliance with the requirements herein. All policy forms/endorsements evidencing additional insured, primary non-contributory and waivers of subrogation must be attached to the certificate of insurance. Contractor reserves the right to require the Subcontractor to provide a complete copy of any required policy upon their request. Certificates evidencing the continuation of coverage, including completed operations coverage, shall be submitted with the final application for payment.

4. Acceptance of certificates or endorsements by the Contractor shall not waive any of the Subcontractor's obligations under this Exhibit. Compliance with the insurance requirements set forth herein shall not relieve the Subcontractor of liability for any losses or damages that exceed the required policy limits or that are not covered by the required insurance. Contractor does not warrant or represent that the insurance coverages or limits required herein are sufficient to protect the Subcontractor, its sub-tier subcontractors, or any other entities for whom they are responsible. The Subcontractor shall bear full responsibility for obtaining the required insurance coverages, as well as any additional insurance the Subcontractor deems necessary for its protection. Any losses, claims, damages, or costs that exceed the required limits of liability or fall outside the scope of coverage of the required policies, as well as any deficiencies in coverage or policy limits, shall be the sole responsibility of the Subcontractor.

5. Subcontractor shall provide written notice to Contractor no less than thirty (20) calendar days prior to any cancellation or nonrenewal (except 5 days for non-payment) and before making any material change to any policy, limit, or coverage required herein which impacts minimum insurance limits or coverage afforded to the additional insured parties. If such insurance is cancelled, nonrenewed or expires during the performance of this contract, all work shall stop immediately until coverage is reinstated or replaced.

6. Any and all deductibles or self-insured retentions are the sole responsibility of Subcontractor. At Contractor's request, Subcontractor must disclose any deductible or self-insured retention. Any self-insured retention exceeding $150,000 must be disclosed to Contractor in writing.

INSURANCE REQUIREMENTS
EXHIBIT E

7. "All Operations" certificates of insurance are preferred; however, project-specific certificates may be accepted.

8. The **minimum** limits and coverage types of insurance that the Subcontractor is required to carry are:

Commercial General Liability: Coverage shall be as broad as that provided by ISO form, CG 00 01 04/13, or an equivalent written on an occurrence basis with a per project aggregate and policy limits in an amount not less than:

$1,000,000 Each Occurrence
$1,000,000 Personal and Advertising Injury Liability
$2,000,000 General Aggregate
$2,000,000 Products and Completed Operations Aggregate

The Commercial General Liability policy shall provide coverage, without exclusion or limitation, for the following:

a. Claims for bodily injury or property damage arising out of products/completed operations and for work performed on your behalf by a sub-tier.
b. Claims for cross suits applicable to an additional insured.
c. Action-over and indemnity claims under this Subcontract, including, but not limited to, claims arising from injury to your employees.
d. Contractual Liability coverage, as provided by the ISO CG 00 01 without alteration or amendment.
e. Claims or losses otherwise excluded by prior work, prior injury, or similar exclusionary endorsements.
f. Claims relating to work performed on, or within 50 ft of a railroad, light rail, or other rail system, if the work will be performed on, or within 50 ft of a railroad property.
g. Claims arising out of the rendering or failure to render professional services by Subcontractor or on your behalf, that are part of ordinary means, methods, techniques, sequences and procedures employed by you in connection with your operations as a construction contractor.
h. Claims related to residential, multi-family, or other habitational projects, if the work is to be performed on such a project.
i. Claims related to roofing, if the work involves roofing.
j. Claims related to exterior insulation finish systems (EIFS), synthetic stucco or similar exterior coatings, if the work involves such coatings or surfaces.
k. Claims related to earth subsidence or movement, where the work involves such hazards.
l. Claims related to explosions, collapse and underground hazards, where the work involves such hazards.

9. Business Automobile Liability: Coverage shall be no less than that provided by ISO form, CA 00 01, or an equivalent form protecting against claims that arise out of or result from the use or maintenance of any automobile whether owned, non-owned, rented, and/or hired with policy limits in an amount not less than:

$1,000,000 Each Accident – Combined Single Limit

The Business Automobile policy shall provide coverage, without exclusion or limitation, for the following:

a. Claims related to any statutory required automobile coverage.

b. Claims related to discharge of pollutants being transported, towed by, being loaded onto, or being unloaded from a covered auto, when applicable to the work being performed. A Contractors Pollution Liability policy with equal minimum limits applicable to Transportation/Transit coverage may be accepted in lieu of the ISO CA 99 48 or an equivalent.
c. Claims related to any work performed on, or within 50 ft of a railroad, light rail, or other rail system, if the work will be performed on, or within 50 ft of a railroad property.

10. **Workers' Compensation & Employer's Liability**: Subcontractor shall maintain coverage for industrial injury to its employees, including leased or borrowed employees, in strict accordance with the laws of the state in which the work is performed, notwithstanding any statutory exemption. This requirement applies without limitation to sole proprietors, partners, executive officers, and limited liability companies. If the Subcontractor is exempt under the laws of the state in which the work is performed, the Subcontractor shall elect to obtain such coverage. If the Subcontractor qualifies as a self-insurer under applicable state law, the Subcontractor shall provide evidence of excess insurance coverage in a form acceptable to the Contractor. If the work or its location exposes Subcontractor's employees to coverage under the U.S. Longshore and Harbor Workers' Compensation Act, the Jones Act, or any other laws applicable to maritime employees, the Subcontractor shall procure and maintain all required and applicable coverage. For work performed in non-monopolistic states, the policy shall include a waiver of subrogation in favor of the Contractor, Owner, and any other person or entity as required by this Exhibit. Coverage shall be maintained with policy limits in an amount not less than:

    Statutory – Workers Compensation including any applicable Federal Acts Coverage

    Employers Liability/Stop Gap:
    $1,000,000 Each Accident - For Bodily Injury by Accident
    $1,000,000 Policy Limit - For Bodily Injury by Disease
    $1,000,000 Each Employee - For Bodily Injury by Disease

11. **Commercial Umbrella/Excess Liability:** Coverage shall be at least as broad as the Commercial General Liability, Automobile Liability, and Employers Liability policies required and shall be written on an occurrence form. Umbrella/Excess Liability limits may be used to satisfy the total minimum limit requirements of this Exhibit. If the Subcontractor maintains Umbrella/Excess Liability limits greater than those required herein, such higher limits shall apply and become the required limits under this Exhibit. Coverage shall be maintained with policy limits in an amount not less than:

Umbrella/Excess Liability Limits by Scope of Work	**Each Occurrence**	**Aggregate***
Responsibility for Hoisting, Crane (tower or mobile) Operation, Erection or Dismantling, or Man/Material Lifts	$10,000,000	$10,000,000
Demolition, Earthwork/Shoring, Fire Suppression, Mechanical, Electrical, Plumbing, Framing, Building Envelope Work (including, without limitation, Roofing, Siding, Windows, Flashing, or Waterproofing), or Structural Concrete or Steel	$5,000,000	$5,000,000
All Other Scopes Not Described Above	$3,000,000	$3,000,000
**Aggregate limits apply where applicable and shall follow the terms of the underlying policies*		

INSURANCE REQUIREMENTS
EXHIBIT E

12. **Contractor's Pollution Liability**: Subcontractor shall maintain Pollution Liability insurance on an occurrence form covering all claims arising out of its ongoing and completed operations in connection with the subcontract work, including operations necessary or incidental to its performance. If the policy is written on a claims-made basis, Subcontractor, at its sole expense, shall purchase an Extended Reporting Period. Coverage shall specifically include, without limitation:

    a) Mold, fungi, legionella pneumophilia, or microbial-related claims.
    b) Lead paint or asbestos, if applicable to your contracting services
    c) Bodily injury or property damage, including loss of use of damaged property or property that has not been physically injured.
    d) Cleanup, remediation, and abatement costs, including costs for investigation, sampling, characterization, and monitoring.
    e) Legal and defense costs.
    f) Natural resource damages.
    g) Transportation, storage, or disposal of pollutants, hazardous materials, or waste on, from, or to the project site, including loading and unloading.
    h) Liability for non-owned disposal sites or third-party waste facilities.

    Such insurance shall include contractual liability coverage applicable to the indemnity provisions of this agreement. The policy shall not contain any exclusions for claims by one insured against another insured if the exclusion is based solely on the fact that the claimant is an insured and coverage would otherwise apply. Coverage, including any Extended Reporting Period, shall be maintained for not less than 36 months post completion, or for the period during which Subcontractor may be held legally liable for its work, whichever is longer. If Subcontractor maintains Pollution Liability limits greater than those required herein, such higher limits shall apply and become the required limits under this Exhibit. Pollution Liability policy limits shall be maintained in an amount not less than:

Pollution Liability Limits by Scope of Work	**Each Incident**	**Aggregate**
Demolition, Asbestos, Lead Abatement, or Hazardous Material Work	$5,000,000	$5,000,000
Earthwork/Shoring, Fire Suppression, Mechanical, Electrical, Plumbing, or Building Envelope Work (including, without limitation, Roofing, Siding, Windows, Flashing, or Waterproofing)	$2,000,000	$2,000,000
All Other Scopes Not Described Above	$1,000,000	$1,000,000
The retroactive date of such coverage shall be prior to the commencement of Subcontractor's work.		

13. **Professional Liability**: If Subcontractor provides professional services, Subcontractor shall maintain Professional Liability insurance covering claims arising from actual or alleged errors, omissions, or acts of Subcontractor or any entity for which Subcontractor is legally responsible in connection with the work. Coverage shall specifically include all professional services necessary or incidental to the fulfillment of Subcontractor's obligations under this agreement. Such insurance shall meet the following requirements:

    a) Coverage shall be effective from the commencement of professional services, with a retroactive date prior to the start of work in the current and future policies.

b) Coverage shall be maintained for not less than 36 months after completion of the work, or for the period Subcontractor may be held legally liable, whichever is longer. Alternatively, an extended reporting period of 36 months following completion may be purchased.
c) Subcontractor shall notify Contractor if policy limits are impaired by payments or reserves exceeding 50% of the total limit, regardless of whether the claims relate to this agreement.
d) The policy shall not contain exclusions or restrictions based on scope of services, project type, construction type, project delays, or cost overruns.

If Subcontractor maintains Professional Liability limits greater than those required herein, such higher limits shall apply and become the required limits under this Exhibit. Professional Liability policy limits shall be maintained in an amount not less than:

Professional Liability Limits by Scope of Work	Each Claim	Aggregate
Structural or Geotechnical Professional Services	$5,000,000	$5,000,000
Mechanical, Electrical, Plumbing, or Fire Protection Professional Services	$2,000,000	$2,000,000
All Other Scopes involving Design-Build or Design Related Services	$1,000,000	$1,000,000
The retroactive date of such coverage shall be prior to the commencement of Subcontractor's work.		

If the Subcontractor maintains a Combined Pollution and Professional Liability policy, the minimum limits specified in this Exhibit for each coverage shall apply individually, as though each coverage were issued under a separate policy.

14. **Cyber Insurance**: Subcontractor shall maintain Cyber Liability insurance covering claims for computer and data loss restoration, hacking or intentional breaches, crisis management activity related to data breaches, legal claims for security breach, privacy violations, and notification costs with policy limits of not less than $1,000,000 per claim and $1,000,000 aggregate. Policy must include social engineering fraud coverage with a minimum limit of $100,000 including but not limited to coverage for invoice manipulation, phishing and fraudulent instructions to pay vendor/client invoices.

15. **Aircraft, Watercraft & Drone Liability**: If Subcontractor, or anyone acting on its behalf, uses any watercraft or aircraft, including unmanned aircraft/drones, Subcontractor shall maintain, or ensure that the operator maintains, Aircraft and/or Watercraft Liability insurance. Coverage shall include bodily injury, property damage, and passenger liability for any watercraft or aircraft owned, used, operated, or hired in connection with this agreement. Policy limits shall be not less than $2,000,000 per occurrence for bodily injury and property damage, for each watercraft or aircraft. Operators of unmanned aircraft/drones must be properly certified and registered with the Federal Aviation Administration ("FAA") and comply with all applicable FAA rules and regulations.

16. **Personal Property & Equipment**: Subcontractor shall be solely responsible for any loss, theft, or damage to its personal property, tools, or equipment used in connection with the work, on or away from the jobsite, whether owned, borrowed, leased, rented or hired. Subcontractor and its insurance carrier hereby waive all rights of subrogation against Contractor for any loss or damage, including loss of use, to Subcontractor's personal property and equipment as described in this provision.

17. **Riggers Liability**: If the subcontract work, or any part of it, involves the rigging or hoisting of materials or equipment, Subcontractor shall maintain Riggers Liability insurance covering physical loss or damage to such materials or equipment, including loss of use.

INSURANCE REQUIREMENTS
EXHIBIT E

18. **Additional Coverage**: Where applicable, Contractor may require Subcontractor to obtain additional insurance coverages based on jobsite exposures. Such coverages may include, without limitation, Railroad Protective Liability or other coverages deemed necessary by Contractor.

19. **Additional Insured:** To the fullest extent permitted by law, Subcontractor shall cause all required insurance policies in this Exhibit, except Workers Compensation, Employers Liability and Professional Liability, name the parties listed below as an additional insured for claims arising out of Subcontractor's acts or omissions during its operations including products and completed operations. Coverage afforded to the additional insured parties must be primary and non-contributory to any insurance maintained by all of them and provide the same extent of coverage as afforded to the Subcontractor. Additional Insured and Primary Non-Contributory status shall apply to all limits purchased by Subcontractor, not limited to the minimums acceptable as required herein. Any endorsements that contain comparative fault, vicarious liability or sole negligence limitations applicable to the additional insured parties will not be accepted. Additional insured coverage must be provided on the ISO Form CG 20 10 10/01 (Ongoing Operations) **and** CG 20 37 10/01 (Products/Completed Operations) or an equivalent acceptable to the Contractor at their sole discretion. Additional Insured parties include:

    1. JTM Construction, Inc.
    2. Project Owner
    3. Any other persons or organizations as required under the Prime Contract

20. **Waiver of Subrogation:** Subcontractor hereby waives all rights of recovery against the additional insured parties for loss or damage to the extent such loss or damage is covered by the insurance policies required herein. Subcontractor shall require similar written waivers in favor of the additional insured parties from its sub-tier subcontractors or other related parties. The policies required under this Exhibit shall not prohibit this waiver of subrogation and, unless such waivers are prohibited by statute, Subcontractor must provide a waiver of subrogation endorsement for each policy. Any endorsements that contain comparative fault, vicarious liability or sole negligence limitations applicable to an additional insured will not be accepted. The Waiver of Subrogation shall be effective as to a person or entity (i) even though that person or entity would otherwise have a duty of indemnification, contractual, or otherwise; (ii) even though that person did not pay the insurance premium directly or indirectly, or (iii) whether or not the person or entity has an insurable interest.

21. **Builder's Risk Insurance:** Builders Risk insurance may be provided under the terms of the Prime Contract. Contractor neither represents nor assumes responsibility for the adequacy of any Builders Risk insurance or any other property insurance to protect Subcontractor's interests in the Subcontract Work. It is the Subcontractor's responsibility to purchase and maintain any additional property insurance it considers necessary to protect its own interests in the work. Contractor will be responsible to Subcontractor only to the extent that any claim for loss or damage that Subcontractor may make is reimbursable to Contractor by such insurance.

22. **OCIP/CCIP Insurance:** The Owner or Contractor may, at their discretion, elect to provide all or part of the insurance required under this Exhibit through a Controlled Insurance Program (CIP). Such election must be made in writing. If any insurance is provided through a CIP, the Subcontractor/Vendor shall:
    a) Cooperate fully with the CIP administrator and comply with all CIP terms;
    b) Obtain and pay for any coverages required by this Exhibit that are not included in the CIP, including offsite coverage.
    c) Provide and segregate its insurance costs for the Project as required by the Contractor;

d) Accept a reduction in the Subcontract Price or Purchase Order Price for the cost of such insurance, as determined by the Contractor in accordance with the CIP Manual; and

Failure of the Subcontractor/Vendor to qualify for the CIP may result in exclusion from the Project and/or may be treated as a default at the Contractor's option.

23. **Failure to Maintain Coverage**: If Subcontractor fails to maintain any insurance required under this Exhibit, Contractor may, at its option, terminate this Subcontract or, to protect its interests, procure such insurance on behalf of Subcontractor. The cost of any insurance so obtained may be deducted from any amounts due or to become due to Subcontractor under this or any other subcontract with Contractor.

24. **Sub-Tier Subcontractor Requirements**: If Subcontractor engages any sub-tier Subcontractor(s) to perform work or provide services under this Agreement, Subcontractor shall require each sub-tier Subcontractor to maintain the same insurance coverages, limits, and conditions, including all endorsements, as required of Subcontractor under this Exhibit. These requirements shall be documented in a written agreement between Subcontractor and each sub-tier Subcontractor. Subcontractor shall be solely responsible for ensuring compliance with all required coverages, limits, and endorsements, including monitoring insurance and retaining appropriate documentation. Upon Contractor's request, Subcontractor shall provide copies of the applicable certificates of insurance.