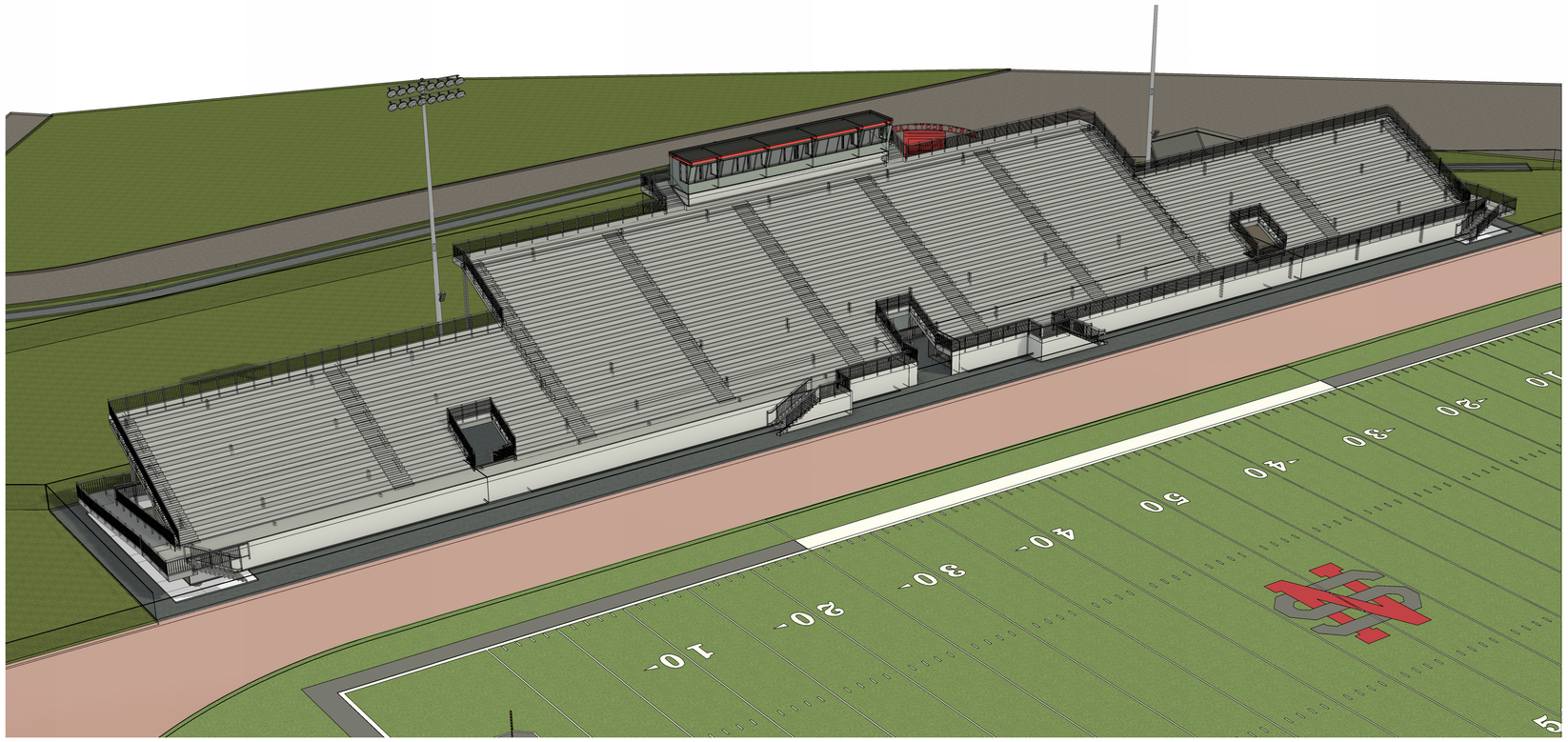
NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS

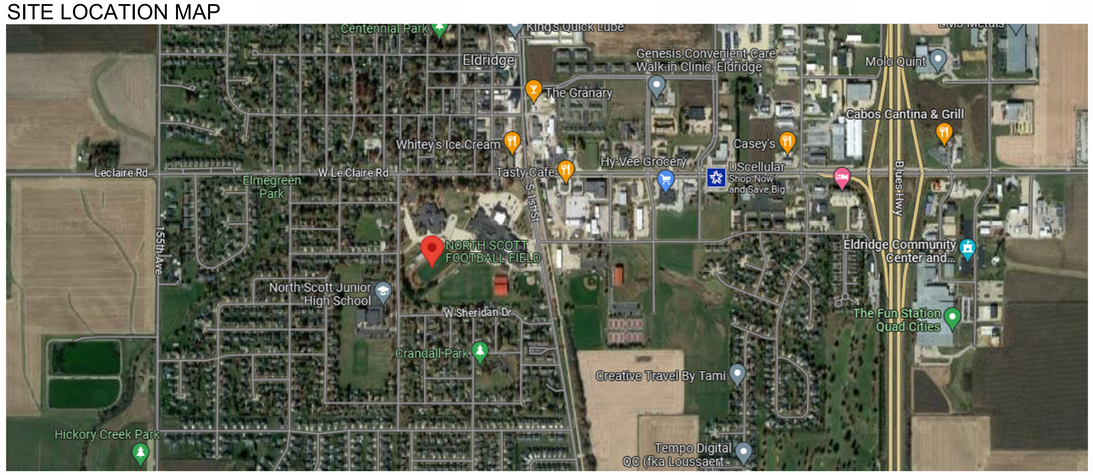
200 S 1st St

Eldridge, IA 52748



SCHEDULE OF DRAWINGS

SITE LOCATION MAP



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PHASE 2 - BIDDING

DATE OF ISSUE

11.06.2023

ARCHITECT'S PROJECT NUMBER

223050.00

LEGATARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

rtm engineering consultants

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NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER	223050.00
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DRAWN BY	CF
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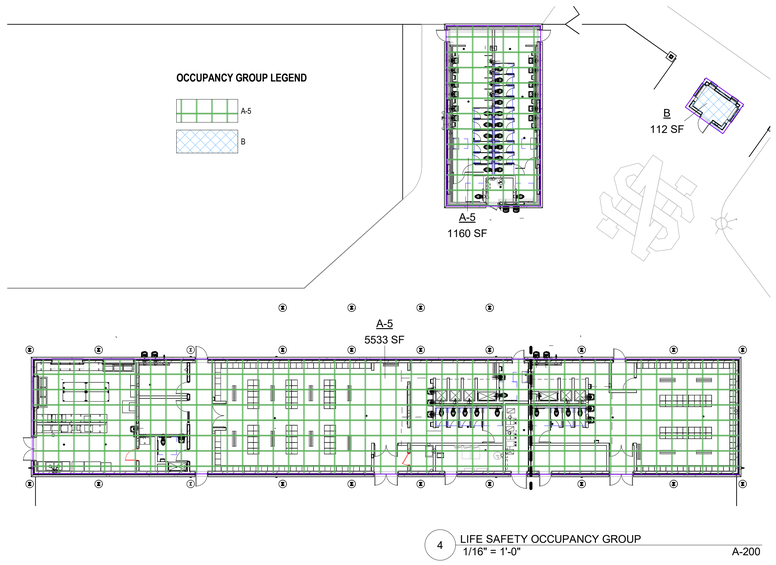
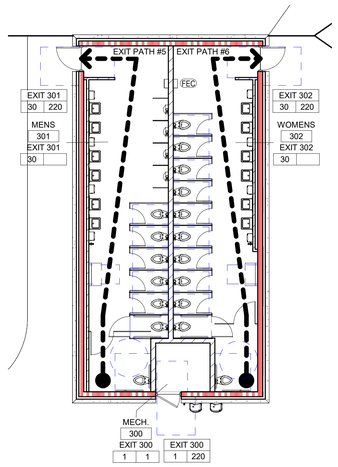
TITLE SHEET

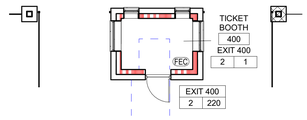
G-001
PHASE 2 - BIDDING



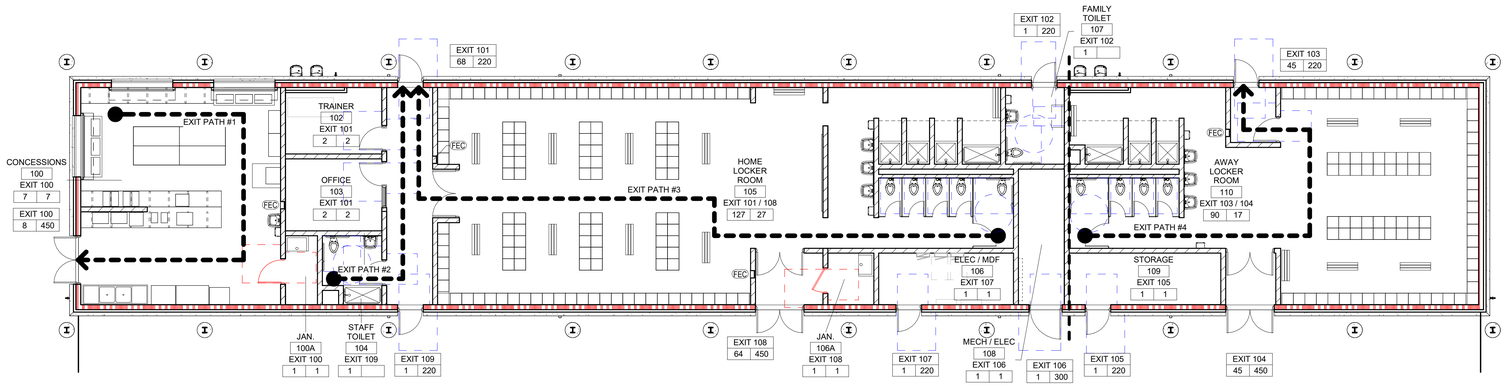
4 LIFE SAFETY OCCUPANCY GROUP
1/16" = 1'-0" A-200



3 FIRST FLOOR LIFE SAFETY PLAN - TOILET BUILDING
1/8" = 1'-0" A-200



2 FIRST FLOOR LIFE SAFETY PLAN - TICKET BOOTH
1/8" = 1'-0" A-200



1 FIRST FLOOR LIFE SAFETY PLAN - CONCESSIONS AND LOCKER ROOM BUIDLING
1/8" = 1'-0" A-200

SAFETY REFERENCE SYMBOLS & ABBREVIATIONS

- ROOM NAME / 101 — ROOM IDENTIFICATION NUMBER
- EXIT # — PRIMARY EXIT NUMBER
- ACT | CALC — OCCUPANT LOAD PER MAXIMUM FLOOR AREA ALLOWANCE; ACTUAL/ANTICIPATED OCCUPANT LOAD
- EXIT # — DOOR EXIT IDENTIFICATION NUMBER
- ACT | CALC — DOOR CALCULATED EXIT CAPACITY; DOOR ACTUAL EXIT CAPACITY
- EXIT PATH ID — EGRESS ROUTE; EGRESS ROUTE IDENTIFICATION
- 2 - HOUR FIRE RESISTANCE RATING
- AREA OF RESCUE ASSISTANCE
- AED — AUTOMATED EXTERNAL DEFIBRILLATOR
- FAAP — FIRE ALARM ANNUNCIATOR PANEL
- KB — KNOX BOX
- E — EMERGENCY ELECTRICAL SHUT OFF
- W — EMERGENCY WATER SHUT OFF
- FEC — FULLY RECESSED FIRE EXTINGUISHER CABINET
- FEC — SURFACE MOUNTED FIRE EXTINGUISHER CABINET
- FACP — FIRE ALARM CONTROL PANEL
- GAP — GENERATOR ANNUNCIATOR PANEL
- TR — TRANSFORMER FOR ELECTRICAL SERVICE
- G — EMERGENCY GAS SHUT OFF
- GSO — GENERATOR REMOTE SHUT OFF

EXIT TRAVEL DISTANCES

EXIT PATH ID	TRAVEL DISTANCE
EXIT PATH #1	57'-4"
EXIT PATH #2	33'-11"
EXIT PATH #3	94'-11"
EXIT PATH #4	57'-5"
EXIT PATH #5	49'-5"
EXIT PATH #6	48'-5"

EXIT DOOR SCHEDULE

DOOR EXIT ID	DOOR WIDTH	CLEAR WIDTH (INCHES)	MEANS OF EGRESS CAPACITY FACTOR	CALCULATED EXIT CAPACITY	ACTUAL EXIT CAPACITY
EXIT 100	6'-0"	67.5	0.15	450	8
EXIT 101	3'-0"	33	0.15	220	68
EXIT 102	3'-0"	33	0.15	220	1
EXIT 103	3'-0"	33	0.15	220	45
EXIT 104	6'-0"	67.5	0.15	450	45
EXIT 105	3'-0"	33	0.15	220	1
EXIT 106	4'-0"	45	0.15	300	1
EXIT 107	3'-0"	33	0.15	220	1
EXIT 108	6'-0"	67.5	0.15	450	64
EXIT 109	3'-0"	33	0.15	220	1
EXIT 300	3'-0"	33	0.15	220	1
EXIT 301	3'-0"	33	0.15	220	30
EXIT 302	3'-0"	33	0.15	220	30
EXIT 400	3'-0"	33	0.15	220	2

BUILDING DATA - NEW CONSTRUCTION

APPLICABLE CODE	IBC 2015
USE GROUP	A-5
CONSTRUCTION TYPE (TABLE 601)	TYPE IIIB
ALLOWABLE HEIGHT (TABLE 504.3)	55 FEET
ACTUAL HEIGHT	14'-3"
ALLOWABLE STORIES ABOVE GRADE (TABLE 504.4)	UNLIMITED
ACTUAL STORIES ABOVE GRADE	1
ALLOWABLE AREA (TABLE 506.2)	UNLIMITED SF
MAXIMUM ALLOWABLE AREA	UNLIMITED SF
BUILDING FOOTPRINT - CONCESSIONS / LOCKER	5,533 SF
BUILDING FOOTPRINT - TOILET (EXISTING)	1,160 SF
BUILDING FOOTPRINT - TICKET BOOTH	112 SF
TOTAL BUILDING AREA (ALL)	6,805 SF
AUTOMATIC SPRINKLER SYSTEM REQUIREMENTS	NO

FIRE-RESISTANCE RATINGS FOR BUILDING ELEMENTS

BUILDING ELEMENT	RATING	UL APPROVED DESIGN NO.
PRIMARY STRUCTURAL FRAME		
BEAMS	0 HR	-
COLUMNS	0 HR	-
BEARING WALLS		
EXTERIOR	2 HR	-
INTERIOR	0 HR	-
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0 HR	-
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0 HR	-
FIRE WALL (TABLE 706.4)	3 HR	-
PARTY WALLS (TABLE 706.4)	3 HR	-
CORRIDOR WALLS (TABLE 1020.1)	1 HR	-
EXTERIOR WALL FIRE SEPARATION DISTANCE (TABLE-602)	1-HOUR: < 5' / 1-HOUR: 5' ≥ X < 10' 1-HOUR: 10' ≥ X < 30' / 1-HOUR: ≥ 30'	

MEANS OF EGRESS - NEW CONSTRUCTION

	UNSPRINKLED
APPLICABLE CODE	IBC 2015
DOOR/CORRIDOR EGRESS WIDTH (1005.3.2)	0.2/PERSON
STAIR EGRESS WIDTH (1005.3.1)	0.3/PERSON
MAX. LENGTH OF EXIT ACCESS TRAVEL (TABLE 1017.2)	200 FEET
MAX. LENGTH OF COMMON PATH EGRESS TRAVEL (TABLE 1006.2.1)	75 FEET
MAX. LENGTH OF DEAD END CORRIDORS (TABLE 1020.4)	20 FEET
MINIMUM CORRIDOR WIDTH (TABLE 1020.2)	44 INCHES

APPLICABLE CODES - NEW CONSTRUCTION

- 2015 INTERNATIONAL BUILDING CODE (IBC)
- 2015 INTERNATIONAL FIRE CODE (IFC)
- 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
- NFPA 101 LIFE SAFETY CODE, 2012 EDITION
- 2010 AMERICANS WITH DISABILITIES ACT (ADA)
- IOWA ELECTRICAL CODE AS ADOPTED BY IOWA ELECTRICAL LICENSING BOARD
- IOWA MECHANICAL CODE AS ADOPTED BY THE DEPARTMENT OF PUBLIC HEALTH IOWA ADMINISTRATIVE RULE
- IOWA PLUMBING CODE AS ADOPTED BY THE DEPARTMENT OF PUBLIC HEALTH IOWA ADMINISTRATIVE RULE

SAFETY REFERENCE NOTES

IT IS THE ARCHITECT'S UNDERSTANDING THAT THE OCCUPANCY LOAD OF THE BLEACHERS IN BID PACKAGE 1 IS 3,936 OCCUPANTS.

IT IS THE ARCHITECT'S UNDERSTANDING THAT THE OCCUPANCY OF THE HOME LOCKER ROOM IS EQUAL TO THE NUMBER OF SINGLE TIER LOCKERS PLUS 4 COACHES PER LOCKER ROOM. IT IS THE ARCHITECT'S UNDERSTANDING THAT THE OCCUPANCY OF THE AWAY LOCKER ROOM IS EQUAL TO THE NUMBER OF SINGLE TIER LOCKERS PLUS 4 COACHES PER LOCKER ROOM.

IT IS THE ARCHITECT'S UNDERSTANDING THAT THE OCCUPANCY OF THE TICKET BOOTH WILL BE TWO OCCUPANTS.

OCCUPANT LOAD SCHEDULE

ROOM ID NUMBER	ROOM NAME	AREA	SF / OCCUPANT	CALCULATED OCCUPANT LOAD	ACTUAL OCCUPANT LOAD
EXIT 100					
100	CONCESSIONS	650 SF	100	7	7
100A	JAN.	38 SF	300	1	1
				8	8
EXIT 101					
102	TRAINER	104 SF	100	2	2
103	OFFICE	118 SF	100	2	2
				4	4
EXIT 101 / 108					
105	HOME LOCKER ROOM	1334 SF	50	27	127
				27	127
EXIT 102					
107	FAMILY TOILET	77 SF	0		1
				0	1
EXIT 103 / 104					
110	AWAY LOCKER ROOM	826 SF	50	17	90
				17	90
EXIT 105					
109	STORAGE	133 SF	300	1	1
				1	1
EXIT 106					
108	MECH / ELEC	106 SF	300	1	1
				1	1
EXIT 107					
106	ELEC / MDF	118 SF	300	1	1
				1	1
EXIT 108					
106A	JAN.	40 SF	300	1	1
				1	1
EXIT 109					
104	STAFF TOILET	63 SF	0		1
				0	1
EXIT 300					
300	MECH.	45 SF	300	1	1
				1	1
EXIT 301					
301	MENS	454 SF	0		30
				0	30
EXIT 302					
302	WOMENS	445 SF	0		30
				0	30
EXIT 400					
400	TICKET BOOTH	62 SF	100	1	2
				1	2
TOTAL OCCUPANCY				62	298

LEGAT ARCHITECTS
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NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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NO.	DESCRIPTION	DATE

PROJECT NUMBER 223050.00
DATE OF ISSUE 11.06.2023
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CODE INFORMATION & SAFETY REFERENCE PLANS

G-101

PHASE 2 - BIDDING

GENERAL NOTES

1. ALL WORK SHALL BE COMPLIANT WITH THE CODES, ORDINANCES, AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION OVER THE PROJECT LOCATION.
2. THE TRADE CONTRACTORS' PERSONNEL SHALL NOT BE ALLOWED ON THE PROJECT SITE WITHOUT COMPLYING WITH THE OWNER'S SECURITY PROTOCOLS.
3. WHERE CONFLICTS EXIST WITHIN OR BETWEEN PARTS OF THE CONTRACT DOCUMENTS, OR BETWEEN THE CONTRACT DOCUMENTS AND APPLICABLE STANDARDS, CODES, ORDINANCES, AND REGULATIONS THE MORE STRINGENT OR HIGH QUALITY OR GREATER QUALITY REQUIREMENT(S) SHALL APPLY. LARGE-SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL-SCALE DRAWINGS; FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS; AND NOTED MATERIALS TAKE PRECEDENCE OVER GRAPHIC REPRESENTATIONS.
4. THE CONTRACT DOCUMENTS IDENTIFY THE MINIMUM AMOUNT OF WORK REQUIRED. TRADE CONTRACTORS SHALL PROVIDE THE EXTENT OF WORK NECESSARY FOR A COMPLETE INSTALLATION.
5. REFER TO THE PROJECT MANUAL FOR PRODUCTS, MATERIALS, AND PROCEDURES NOT IDENTIFIED ON THE CONTRACT DRAWINGS.
6. THE ACTUAL AREA(S) OF WORK SHALL BE KEPT TO THE MINIMUM REQUIRED TO PROPERLY EXECUTE THE CONTRACT REQUIREMENTS. EXISTING DIMENSIONS AND HATCHED AREAS INDICATED ON CONTRACT DOCUMENTS ARE FOR GENERAL REFERENCE AND BIDDING PURPOSES ONLY.
7. PRIOR TO BIDDING, THE TRADE CONTRACTORS SHALL FIELD VERIFY THE EXTENT OF WORK REQUIRED TO PROPERLY EXECUTE THE CONTRACT REQUIREMENTS. ADDITIONAL WORK THAT IS REQUIRED, WAS VISIBLE, AND COULD HAVE BEEN IDENTIFIED DURING BIDDING SHALL BE COMPLETED BY THE RESPONSIBLE TRADE CONTRACTOR(S) AT NO ADDITIONAL COST TO THE OWNER.
8. THE TRADE CONTRACTORS SHALL BE FAMILIAR WITH THE EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OR CONSTRUCTION MANAGER OF ANY CONFLICTS WITH THE CONSTRUCTION DOCUMENTS PRIOR TO PREPARING SUBMITTALS OR BEGINNING ANY WORK.
9. THE TRADE CONTRACTORS SHALL PROVIDE ALL TEMPORARY CONSTRUCTION AND/OR SHORING REQUIRED TO PROPERLY EXECUTE THE REQUIREMENTS OF THEIR CONTRACT.
10. ALL EXTERIOR OPENINGS SHALL BE SECURED AT ALL TIMES WHEN WORK IS NOT BEING PERFORMED. THE TRADE CONTRACTORS SHALL NOT REMOVE EXISTING DOORS, FRAMES, WINDOWS. ETC. UNTIL REPLACEMENTS ARE ONSITE AND READY FOR INSTALLATION. IF INSTALLATION OF DOORS, FRAMES, WINDOWS, ETC. CANNOT BE COMPLETED BY THE END OF THE WORK DAY, THE RESPONSIBLE TRADE CONTRACTORS SHALL PROVIDE TEMPORARY WEATHERPROOF CONSTRUCTION AS REQUIRED TO SECURE THE BUILDING TO THE SATISFACTION OF THE OWNER AND RESTORE AFFECTED SURFACES TO THEIR ORIGINAL CONDITION.
11. PATCHING, REPAIRING, AND REFINISHING WORK SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE EXISTING ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE IN MATERIAL, FINISH, COLOR, TEXTURE AND SHEEN. REFER TO THE CONTRACT DRAWINGS FOR EXISTING BUILDING CONSTRUCTION TO REMAIN.
12. TRADE CONTRACTORS SHALL PROTECT THEIR WORK AND EXISTING CONSTRUCTION, FINISHES, AND EQUIPMENT TO REMAIN TO PREVENT DAMAGE. ANY WORK AND/OR EXISTING FINISHES TO REMAIN DAMAGED DURING THE REMOVAL OF EXISTING WORK OR THE INSTALLATION OF NEW WORK SHALL BE REPAIRED, REPLACED, AND REFINISHED BY THE RESPONSIBLE TRADE CONTRACTOR TO MATCH THE ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
13. THE ARCHITECT SHALL REVIEW AND APPROVE LOCATIONS FOR ALL JUNCTION BOXES AND RACEWAYS PRIOR TO INSTALLATION OF WIRING / CABLING.
14. EXISTING SITE FEATURES, MATERIALS, AMENITIES, LANDSCAPING, ETC. DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE RESTORED, REPAIRED, OR REPLACED BY THE RESPONSIBLE TRADE CONTRACTOR(S) AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
15. CONTRACTOR SHALL COORDINATE THE WORK WITH ALL PARTIES INVOLVED SO THAT THE CONSTRUCTION CAN PROCEED SMOOTHLY, WITHOUT TRADE INTERFERENCE OR WASTE OF TIME AND MATERIAL.
16. ***WARNING: ASBESTOS-CONTAINING BUILDING MATERIALS ARE OR MAY BE PRESENT IN THIS BUILDING. AN ASBESTOS MANAGEMENT PLAN IS AVAILABLE IN THE SCHOOL FOR REVIEW UPON REQUEST. NO PERSON MAY DISTURB ASBESTOS-CONTAINING MATERIALS UNLESS THAT PERSON IS A LICENSED ASBESTOS WORKER OR CONDUCTS SUCH WORK IN ACCORDANCE WITH SPECIFICATION(S) CONTAINED IN THE PROJECT DOCUMENTS AND IN COMPLIANCE WITH ILLINOIS DEPARTMENT OF HEALTH RULES AND REGULATIONS.***

GENERAL CONSTRUCTION / RENOVATION NOTES

1. AFTER REMOVAL OF ITEMS IDENTIFIED TO BE REMOVED, CLEAN AND REPAIR THE EXISTING SURFACES TO REMAIN TO MATCH THE CONSTRUCTION MATERIALS AND METHODS, FINISHES TEXTURE, PATTERN, COLOR AND SHEEN OF THE ADJACENT SURFACES TO REMAIN. PATCH, CLEAN, PREPARE, PAINT, ETC. EXISTING SURFACES AS REQUIRED.
2. WHERE EXISTING EQUIPMENT IS REMOVED AND NEW EQUIPMENT IS SMALLER AND INSTALLED IN THE SAME LOCATION, CLEAN AND REPAIR THE SIGHT-EXPOSED SURFACES TO REMAIN TO MATCH THE CONSTRUCTION MATERIALS AND METHODS, FINISHED TEXTURE, PATTERN, AND COLOR OF THE ADJACENT SURFACES TO REMAIN. PATCH, CLEAN, PREPARE, PAINT, ETC. EXISTING SURFACES AS REQUIRED.
3. EXISTING AND NEW FIRE RATED ASSEMBLIES ARE TO BE MAINTAINED AND BE IN CONFORMANCE WITH APPLICABLE CODES. PENETRATIONS SHALL BE CONSTRUCTED AND SEALED AS REQUIRED; NEW FIRE RATED ASSEMBLIES SHALL BE INSPECTED, CERTIFIED, AND APPROPRIATELY LABELED ABOVE CEILINGS.
4. ALL PENETRATIONS THROUGH ANY MATERIAL SHALL BE SEALED WITH A COMPATIBLE MATERIAL APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
5. MASONRY INFILL AND/OR PATCHING SHALL MATCH THE MATERIAL, SIZE, FINISH, COLOR, TEXTURE AND COURSING OF EXISTING MASONRY TO REMAIN. NEW MASONRY SHALL BE WHOLE UNITS TOOTHED IN TO THE EXISTING MASONRY. NO SAW CUT EDGES WILL BE ALLOWED. MORTAR JOINTS TO MATCH COLOR, TEXTURE AND PROFILE OF ADJACENT MASONRY.
6. STRUCTURAL LINTELS ARE REQUIRED AT ALL OPENINGS AND RECESSES IN LOAD BEARING AND NON-LOAD BEARING MASONRY WALLS. REFER TO STRUCTURAL DRAWINGS.
7. EXPOSED OUTSIDE CORNERS OF INTERIOR CONCRETE MASONRY UNITS SHALL BE ROUNDED, U.N.O.
8. PROVIDE A CONTINUOUS BEAD OF SEALANT BETWEEN DISSIMILAR MATERIALS, U.N.O.
9. PROVIDE GALVANIC PROTECTION SEPARATING DISSIMILAR METALS.
10. ALL EXPOSED PIPING AND CONDUIT SHALL BE KEPT AS CLOSE AS POSSIBLE TO WALLS STRUCTURE, AND FLOOR/ROOF DECK.
11. ALL WALLS ABOVE DOORS/FRAMES TO EXTEND TO UNDERSIDE OF DECK, U.N.O.
12. ALL EXTERIOR DIMENSIONS ARE TO THE OUTSIDE FACE OF FINISH MATERIAL, U.N.O.
13. SLOPE ALL CONCRETE AND/OR TOPPING TO FLOOR DRAINS; COORDINATE WITH PLUMBING DRAWINGS.
14. CENTER SPRINKLER HEADS AND LIGHT FIXTURES, SECURITY DEVICES, WAPS, EXIT SIGNS, & SIMILAR DEVICES IN ACT TILES, U.N.O.
15. INSTALL WOOD BLOCKING AS NEEDED FOR ALL WALL MOUNTED ITEMS.

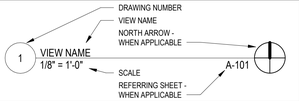
GENERAL FINISH NOTES

1. EXISTING SIGHT-EXPOSED SURFACES OF EXISTING PARTITIONS AND SOFFITS SHALL BE FINISH PAINTED.
2. ALL NEW CONSTRUCTION AND IDENTIFIED EXISTING CONSTRUCTION TO REMAIN SHALL BE PRIME AND FINISH PAINTED UNLESS MATERIALS ARE PRE-FINISHED. REFER TO THE FINISH PLANS AND THE PROJECT MANUAL FOR ADDITIONAL INFORMATION. NEW PARTITIONS AND SOFFITS ARE TO BE PRIME PAINTED FOR FULL HEIGHT OF PARTITION OR SOFFIT. SIGHT-EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISH PAINTED.
3. ALL WALLS IN EXISTING ROOMS IN WHICH WORK IS OCCURRING:
   A. REPAIR HOLES, DEFECTS, ETC. IN EXISTING PLASTER AND CONCRETE BLOCK WALLS;
   B. AT REPAIRS AND UNPAINTED CONCRETE BLOCK PROVIDE BLOCK FILL PAINT AND TWO FINISH COATS OF PAINT; AND
   C. PROVIDE ONE FINISH COAT OF PAINT OVER EXISTING PAINTED WALLS.
4. IN OCCUPIED SPACES IN AREAS OF RENOVATION, ALL SIGHT-EXPOSED MEPFP COMPONENTS INCLUDING, BUT NOT LIMITED TO, DUCTWORK, PIPING, FITTINGS, CONDUIT, BOXES, HANGERS, ETC SHALL BE PAINTED. DO NOT PAINT MOVING PARTS OR LABELS.
5. DO NOT PAINT EXISTING FACE BRICK, GROUND FACE CMU OR SGFT, UNO.

GENERAL REFLECTIVE CEILING NOTES

1. ALL CEILING ELEVATIONS IDENTIFIED DENOTE HEIGHT ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
2. REFER TO MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, AND TECHNOLOGY DRAWINGS FOR CEILING MOUNTED EQUIPMENT AND COMPONENTS NOT IDENTIFIED ON ARCHITECTURAL DRAWINGS.
3. IN AREAS WITH NO FINISHED CEILING SYSTEM REFER TO ELECTRICAL DRAWINGS FOR LUMINARIES AND SPACING.
4. REFER TO FINISH PLANS FOR ADDITIONAL INFORMATION REGARDING:
   A. PAINTING OF CEILING COMPONENTS;
   B. SUSPENDED ACOUSTICAL TILE CEILING SYSTEM TYPES TO BE PROVIDED;
   C. CEILING HUNG WINDOW TREATMENTS
5. PRIOR TO BEGINNING ANY WORK, NOTIFY THE ARCHITECT IF EXISTING CONDITIONS PREVENT NEW CEILING SYSTEMS FROM BEING INSTALLED AS DRAWN AND NOTED.
6. PRIOR TO BEGINNING ANY WORK, NOTIFY THE ARCHITECT IF QUANTITY AND/OR SPACING OF LIGHT FIXTURES ON ELECTRICAL DRAWINGS DOES NOT MATCH QUANTITY AND/OR SPACING OF LIGHT FIXTURES ON ARCHITECTURAL DRAWINGS.
7. LIGHT FIXTURES IN CORRIDORS ARE TO BE CENTERED IN THE WIDTH OF THE CORRIDOR UNLESS NOTED OTHERWISE.
8. ALL CEILING TILES SHALL BE TYPE 1 UNLESS NOTED OTHERWISE:
   A. PROVIDE TYPE 2 CEILING TILES IN TOILET ROOMS.
9. PAINT ALL GYPSUM CEILINGS

DRAWING TITLE KEY



MATERIAL PATTERN LEGEND

CUT PATTERNS

- ALUMINUM
- BRICK
- CONCRETE
- CONCRETE MASONRY UNIT / BLOCK
- EARTH - UNDISTURBED
- EARTH - TOP SOIL / BACKFILL
- GRAVEL
- GYPSUM BOARD GROUT
- PLASTIC LAMINATE
- PLYWOOD
- RIGID INSULATION
- SOLID SURFACE
- SPRAY FOAM INSULATION
- STEEL

SURFACE PATTERNS

- BRICK
- CONCRETE MASONRY UNIT / BLOCK
- CONCRETE
- GYPSUM BOARD
- METAL MESH
- RUBBER TACTILE WARNING PAD

LINE TYPES

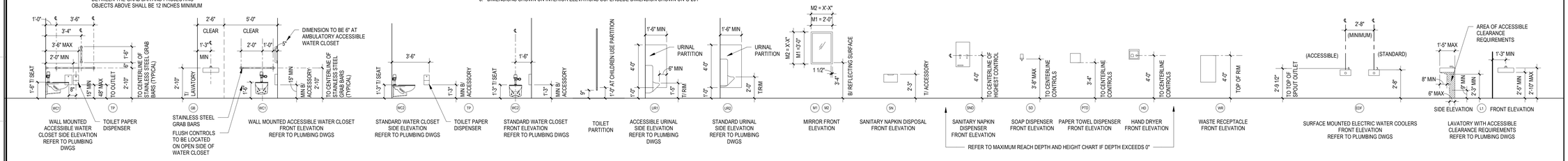
- BEYOND
- CENTER, GRID
- DEMOLITION
- EXISTING (HALFTONE)
- HIDDEN
- MATCHLINE
- NEW (CUT)
- NEW (PROJECTION)
- OVERHEAD

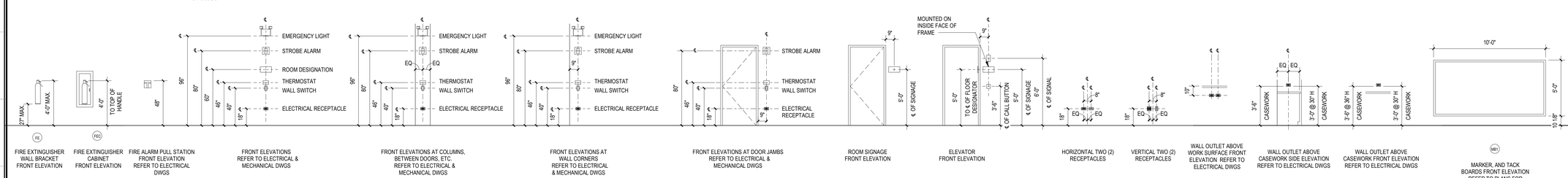
TYPICAL MOUNTING HEIGHTS

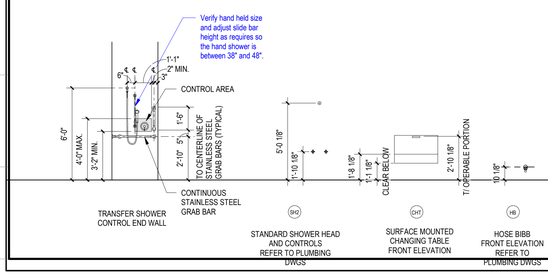
NOTE: NOT ALL FIXTURES, EQUIPMENT, ACCESSORIES, AND DEVICES SHOWN ARE APPLICABLE FOR THIS PROJECT

THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECT BELOW AND AT THE ENDS SHALL BE 1 1/2 INCHES MINIMUM AND THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12 INCHES MINIMUM

GENERAL NOTES
1. ALIGN WALL-MOUNTED DEVICES ON CENTER VERTICALLY WHERE POSSIBLE
2. NO DEVICES TO BE LOCATED ON SURFACES DESIGNATED AS FEATURE WALLS
3. DIMENSIONS SHOWN ON INTERIOR ELEVATIONS SUPERCEDE DIMENSION SHOWN ON G-201







LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

200 S. 1st Street
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SIGNATURE _____

DATE _____

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DRAWN BY	
CHECKED BY	

SYMBOLS AND PROJECT GENERAL NOTES

G-201

PHASE 2 - BIDDING

Know what's **below.**
Call before you dig.

0 15 30 60
Scale: 1" = 30'

EXISTING FEATURES LEGEND

	CENTERLINE		SUPPORT COLUMN
SAN	SANITARY SEWER		STORM MANHOLE
ST ST	STORM SEWER		STORM INLET
Wx	WATER LINE		STORM INLET
	IRRIGATION LINE		FLARED END SECTION
E E	UNDERGROUND ELEC.		SANITARY MANHOLE
OE OE	OVERHEAD ELEC.		WATER VALVE
G G	GAS LINE		WATER SHOT-OFF VALVE
T T	TELEPHONE LINE		HYDRANT
	CHAIN LINK FENCE		IRRIG. CTRL. OR MISC. EQUIP.
	TREE LINE		POWER POLE
			GUY WIRE
		T	TELEPHONE PEDESTAL
		H	HANDHOLE
			LIGHT POLE
			SIGNS
			POST/BOLLARD
			CONIFER TREE
			DECIDUOUS TREE
			CONTROL POINT

RIM = 786.17
INV. = SUMP
INV. = 763.27 (N)
INV. = 774.37 (N) 10" IRON
INV. = 778.02 (E) 10" IRON
INV. = 763.57 (S)
INV. = 763.02 (W)

RIM = 785.66
INV. = 779.67
INV. = 779.82 (W) 12" UNK MATL

THROAT = 785.41
INV. = 779.87
INV. = 781.66 (S) 18" SLCPP

TRUNCATED DOMES

RIM = 785.87
INV. = SUMP
INV. = 781.57 (N) 6" CLAY
INV. = 780.64 (E) 8" CLAY
INV. = 782.24 (SE) 4" IRON
INV. = 780.67 (W) 8" CLAY

INV. = 779.80
12" SLCPP

INV. = 778.05
24" SLCPP

INV. = 775.99
18" SLCPP

36" FES SLCPP
INV. = 777.22

BLDG
FF 785.86
FF 785.78

FF 786.09

RIM = 784.46
INV. = 780.76
INV. = 780.76 (NE) 12" RCP (ABANDONED?)
INV. = 780.76 (E) 10" CLAY
INV. = 780.76 (SW) 12" RCP
INV. = 783.13 (SW) 4" PVC (PLUGGED)

RIM = 787.09
RIM = 787.88 (ABBOTT)
INV. = SUMP
INV. = 783.48 (N) 6" IRON
INV. = 783.08 (NE) 8" CLAY
INV. = 783.08 (SW) 8" CLAY

RIM = 784.20
INV. = 776.50
INV. = 776.80 (NE) 36" SLCPP
INV. = 777.30 (E) 12" UNK MATL
INV. = 776.50 (S) 18" SLCPP
INV. = 777.70 (S) 18" SLCPP
INV. = 778.00 (SW) 18" SLCPP
INV. = 776.50 (W) 24" RCP

RIM = 783.46
INV. = 778.46
INV. = 779.36 (NE) 12" RCP
INV. = 778.46 (SE) 24" RCP
INV. = 778.46 (NW) 24" RCP

20' DIA. POLE

ANNOUNCER BOX

ELECTRIC PANELS

GARAGE

20' DIA. POLE

RIM = 783.37SUMP = 779.87
INV. = 779.87 (NE) 16" SLCPP
INV. = 779.87 (SW) 12" UNK MATL

RIM = 784.65
RIM = 776.99 (ABBOTT)
INV. = 777.92
INV. = 776.99 (N) 16" RCP
INV. = 777.75 (SE)
INV. = 776.99 (S) 16" RCP

RIM = 782.54
INV. = 778.24
INV. = 778.79 (NE) 12" IRON
INV. = 778.64 (E) 24" SLCPP
INV. = 779.34 (W) 12" IRON

BLEACHERS

RIM = 786.33
INV. = 780.58
INV. = 780.53 (N) 18" HDPE
INV. = 782.33 (E) 24" PVC
INV. = 781.43 (S) 18" HDPE

RIM = 787.18
INV. = 781.38 (NE) 12" SLCPP
INV. = 781.29 (E) 18" PVC
INV. = 781.28 (W) 24" PVC

36" DIA. BASE FOR REMOVED LIGHT POLE

ELECTRIC SWEEPS (EMPTY)

RIM = 784.84
INV. = SUMP
INV. = 765.37 (N)
INV. = 765.37 (S)
INV. = 777.51 (W) 8" IRON

RIM = 784.33
INV. = 778.83
INV. = 778.53 (SW) 24" SLCPP

RIM = 784.10
INV. = 778.40
INV. = 778.50 (NE) 24" SLCPP
INV. = 778.40 (NW) 24" PVC

RIM = 783.18
INV. = 779.63
INV. = 779.63 (NE) 12" RCP
INV. = 780.70 (NW) 6" PVC
INV. = 779.63 (SW) 12" RCP

LOCATIONS OF ALL CONCRETE PILINGS WITH VERTICAL I-BEAMS SUPPORTING BLEACHERS ARE APPROXIMATED

RIM = 786.98
INV. = 780.58
INV. = 780.88 (E) 24" PVC
INV. = 780.53 (SW) 24" SLCPP

ELECTRICAL TO GROUND SLEEVE

RIM = 784.31
INV. = 780.81

RIM = 784.56
INV. = 781.29

RIM = 784.51
INV. = 781.43

RIM = 784.58
INV. = 781.81

RIM = 784.48
INV. = 781.90

RIM = 784.57
INV. = 782.09

RIM = 784.59
INV. = 782.32

RIM = 784.57
INV. = 779.02
INV. = 780.68 (NE) 8" PVC
INV. = 780.72 (SE) 8" PVC
INV. = 780.67 (SW) 8" PVC
INV. = 779.67 (NW) 12" PVC

RIM = 784.58
INV. = 782.48

RIM = 790.72
INV. = 784.72
INV. = 784.92 (NE) 10" CLA
INV. = 784.92 (E) 10" CLA
INV. = 784.82 (SW)10" CLA

RIM = 785.47
INV. = 777.92
+ 777.92 (N) 16" RCP
+ 777.92 (S) 16" RCP

TIMER BOARD

IRRIGATION LINES AND APPARATUS (TYP.)

RIM = 784.70
INV = 782.72
8" INLET

FIELD GOAL POST

EXISTING FIELD HAS MULTIPLE BURIED IRRIGATION AND DRAINAGE LINES THROUGHOUT. LOCATIONS SHOWN ARE BASED ON FIELD OBSERVATIONS, OLD PLANS AND INPUT FROM FIELD MAINTENANCE STAFF.

RIM = 784.62
INV. = 782.43

RIM = 784.67
INV. = 782.42

RIM = 789.60
INV. = 784.25
INV. = 784.60 (E) 4" IRON
INV. = 784.25 (W) 16" PVC

RIM = 790.15
INV. = 781.50
INV. = 782.45 (S) 18" PVC
INV. = 782.30 (W) 18" PVC

TIMER BOARD
INV. = 785.91
18" SLCPP

FLAG DISPLAY

RIM = 784.82
INV = 779.73
INV. = 780.47 (NE) 8" PVC
INV. = 781.62 (SW) 8" PVC
INV. = 780.42 (NW) 8" PVC

RIM = 784.58
INT = 780.71
8" GI

RIM = 784.66
INV. = 782.85

RIM = 784.66
INV. = 782.91

EXISTING DRAINAGE SYSTEM (TYP.)

RIM = 784.65
INV. = 782.71

RIM = 784.66
INV. = 783.06

RIM = 784.62
INV. = 782.83

RIM = 785.22
INV. = 784.10
INV. = 784.40 (NW) 6" CPP

RIM = 790.89
INV. = 782.24
INV. = 783.09 (N) 18" PVC
INV. = 785.79 (SW) 18" PVC
INV. = 785.84 (NE) 18" PVC
INV. = 783.14 (SE) 18" PVC

GARAGE
FF 785.83
INLET (OLD & BOLTED)
RIM = 784.82
INV. = 782.22

INLET (OLD & BOLTED)
RIM = 784.49

INLET (OLD & BOLTED)
RIM = 784.74

INLET (OLD & BOLTED)
RIM = 784.65

RIM = 789.40
INV. = 780.25
INV. = 780.10 (N) 16" IRON
INV. = 780.30 (E) 16" IRON

BLEACHERS

ANNOUNCER BOX

BLDG

SHED

GARAGE
FF 791.51

RIM = 791.32
INV. = 782.82
INV. = 783.57 (SE) 18" PVC
INV. = 783.67 (SW) 18" PVC
INV. = 783.47 (NW) 18" PVC

RIM = 790.38
4" INL

RIM = 790.45
4" INL

RIM = 790.46
INV. =
INV. =

RIM = 790.48
INV. = 788.38
INV. = 789.48 (NE) 4" CPP
INV. = 789.48 (SW) 4" CPP

CONCRETE PAD

SHOTPUT CAGE
(NO CONCRETE PAD)

SAND

CONCRETE WOOD AREA

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CHECKED BY	CM

PHASE 2
EXISTING CONDITIONS

C-101

ISSUED FOR BIDDING

Know what's below. Call before you dig.

0 15 30 60

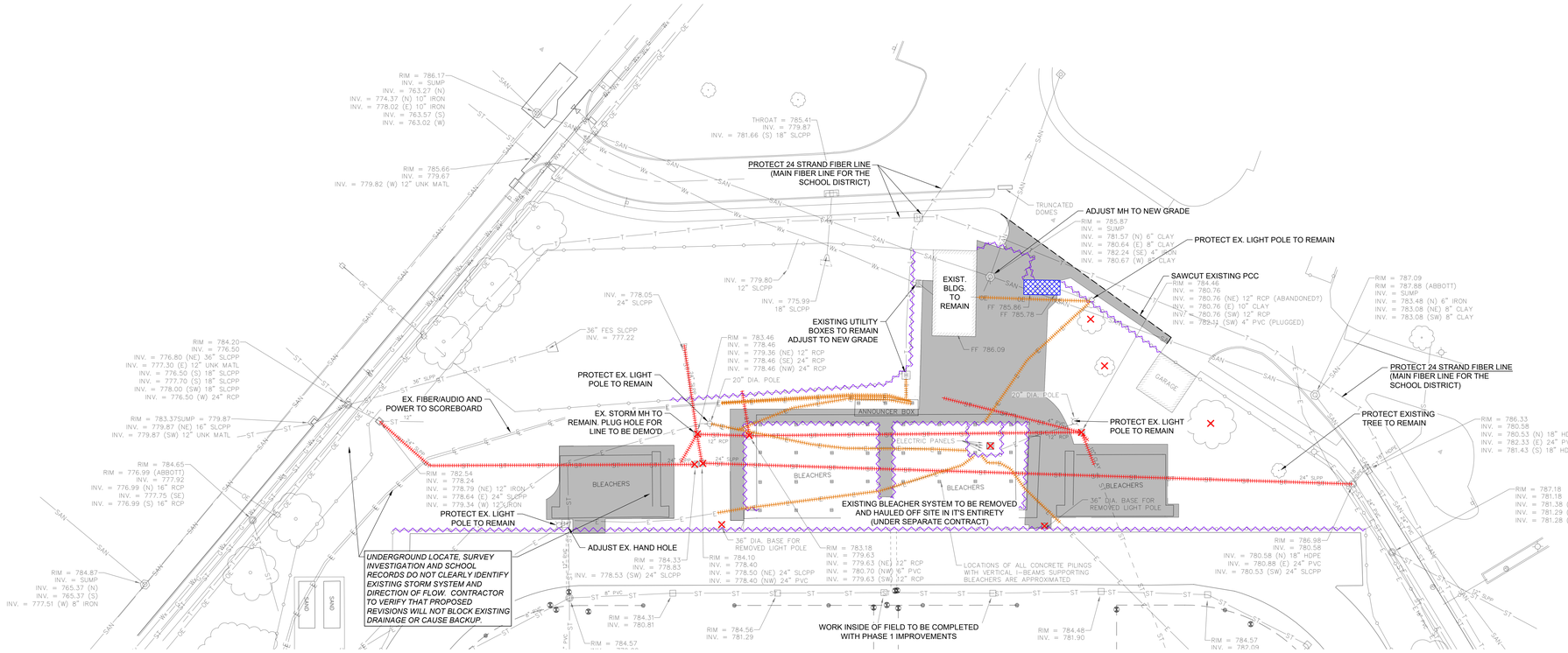
Scale: 1" = 30'

REMOVALS LEGEND

- PIPE REMOVAL
- UG ELECTRIC REMOVAL
- FENCE REMOVAL
- MISC. FEATURE REMOVAL
- BUILDING REMOVAL
- PCC PAVEMENT REMOVAL
- GRASS REMOVAL

EXISTING FEATURES LEGEND

- CENTERLINE
- SANITARY SEWER
- STORM SEWER
- WATER LINE
- UNDERGROUND ELEC.
- OVERHEAD ELEC.
- GAS LINE
- TELEPHONE LINE
- CHAIN LINK FENCE
- TREE LINE
- SUPPORT COLUMN
- STORM MANHOLE
- STORM INLET
- STORM INLET
- FLARED END SECTION
- SANITARY MANHOLE
- WATER VALVE
- WATER SHOT-OFF VALVE
- HYDRANT
- IRRIGATION CONTROL OR OTHER
- POWER POLE
- GUY WIRE
- TELEPHONE PEDESTAL
- HANDHOLE
- LIGHT POLE
- SIGNS
- POST/BOLLARD
- CONIFER TREE
- DECIDUOUS TREE
- CONTROL POINT



DEMOLITION NOTES

1. PRIOR TO ANY EXCAVATION AT THE SITE, CONTRACTOR SHALL EXAMINE ANY APPLICABLE DRAWINGS AVAILABLE FROM THE OWNER AND/OR ENGINEER, AND CONSULT WITH OWNER'S PERSONNEL AND UTILITY COMPANIES' REPRESENTATIVES TO DETERMINE POSSIBLE UTILITY LOCATIONS AND DEPTHS. NO COMPENSATION WILL BE ALLOWED FOR DAMAGE RESULTING FROM FAILURE TO COMPLY WITH THIS REQUIREMENT.
2. PROTECT ALL ITEMS WITHIN THE CONTRACT LIMITS NOT INDICATED TO BE REMOVED.
3. ANY EXISTING FACILITIES THAT ARE DAMAGED DUE TO CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. SAWCUT EDGES OF PAVEMENT FULL DEPTH PRIOR TO REMOVAL TO PREVENT DAMAGE TO ADJACENT SLABS AND FIXTURES.
5. CONTRACTOR SHALL KEEP REQUIRED AREAS SECURE WHEN FENCING OR OTHER BARRIERS ARE NECESSARILY REMOVED.
6. IMMEDIATELY NOTIFY ENGINEER OF UNEXPECTED SUB-SURFACE CONDITIONS. DISCONTINUE WORK IN AREA UNTIL NOTIFIED BY ENGINEER TO RESUME WORK.
7. NOTIFY UTILITY COMPANIES TO REMOVE AND RELOCATE UTILITY SERVICES AND FACILITIES AS NEEDED.
8. COORDINATE WITH OWNER OR ADJACENT PROPERTY OWNERS AS NECESSARY WHEN SCHEDULING DISCONNECTION OF UTILITIES OR SERVICE DISRUPTIONS.
9. USE GRANULAR BACKFILL MATERIALS FOR ALL UTILITY EXCAVATIONS WITHIN 2' OF PAVED SURFACES.
10. ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF PROPERLY OFF-SITE.

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DESIGN | PERFORMANCE | SUSTAINABILITY

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PHASE 2
DEMOLITION PLAN

C-102

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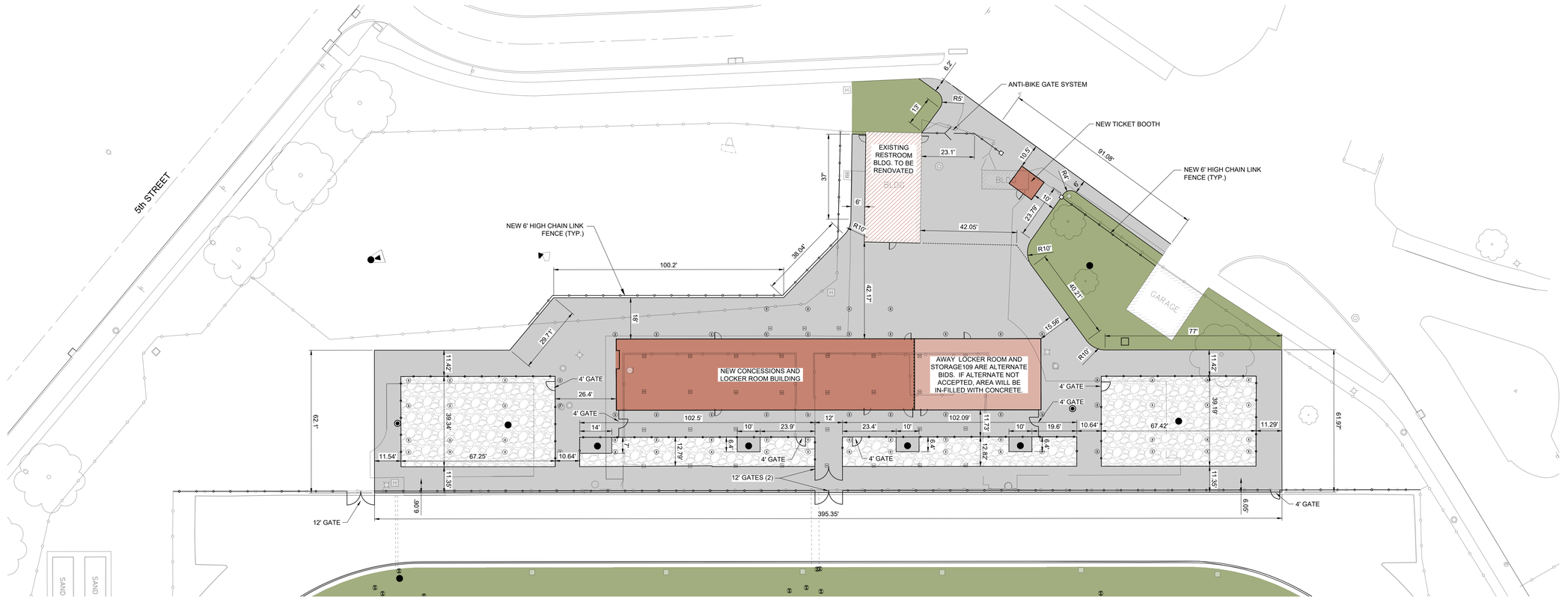

Know what's below. Call before you dig.

0 10 20 40
Scale: 1" = 20'

GENERAL NOTES:

1. ALL IMPROVEMENTS SHOWN SHALL COMPLY WITH THE CURRENT EDITIONS OF THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS), CITY OF ELDRIDGE SUPPLEMENTAL SPECIFICATIONS AND STANDARD DETAILS, IOWA STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION (WHERE SPECIFIED), AND CITY OF ELDRIDGE CODE OF ORDINANCES AND STANDARDS.
2. TOPOGRAPHIC SURVEY AND BOUNDARY LOCATION FOR THE SITE WAS PROVIDED BY ABBITT LAND SURVEY & DEVELOPMENT.
3. LOCATIONS OF UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES WERE DETERMINED FROM AVAILABLE SURVEYS, RECORDS, AND FIELD INVESTIGATION. THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. OTHER UTILITIES MAY ALSO EXIST THAT ARE NOT SHOWN ON THE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES.
4. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS OR DISCREPANCIES BETWEEN THE DRAWINGS AND THE EXISTING CONDITIONS, FEATURES, OR ANY OTHER CONFLICTING INFORMATION CONTAINED IN THE PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH THE WORK.
5. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GRADE EXISTING UTILITIES, PAVED STREETS AND OTHER ITEMS TO REMAIN, INCLUDING ANY NOT SHOWN IN THE PLANS. DAMAGE TO EXISTING UTILITIES, PAVING OR OTHER ITEMS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
6. IMMEDIATELY NOTIFY ENGINEER OF UNEXPECTED SUB-SURFACE CONDITIONS. DISCONTINUE WORK IN AREA UNTIL NOTIFIED BY ENGINEER TO RESUME WORK.
7. DEVELOPER OR CONTRACTOR RESPONSIBLE FOR ALL FIELD TESTING AND MATERIALS TESTING AS MAY BE REQUIRED BY THE CITY.
8. WORK SHALL BE PERFORMED IN A MANNER WHICH PROVIDES THE LEAST INTERFERENCE AND MOST PROTECTION TO THE PUBLIC. CONTRACTOR'S OPERATIONS SUBJECT TO APPROVAL BY THE CITY PRIOR TO BEGINNING WORK.
9. CONTRACTOR SHALL KEEP REQUIRED AREAS SECURE WHEN FENCING OR OTHER BARRIERS ARE NECESSARILY REMOVED.
10. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE PROPERLY DISPOSED OF OFF-SITE.
11. KEEP ADJACENT PUBLIC STREETS FREE FROM SOIL AND DEBRIS GENERATED BY THE PROJECT. CLEAN SOIL AND DEBRIS FROM THE ADJACENT STREETS ON A DAILY BASIS AS SOON AS FEASIBLE.

CONSTRUCTION STAKING AND LAYOUT NOTES:

1. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING CONSTRUCTION LAYOUT FOR ALL CONSTRUCTION.
2. NOTIFY ENGINEER OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND DRAWINGS BEFORE PROCEEDING WITH WORK.
3. PAVING DIMENSIONS SHOWN ARE TO BACK OF CURB AND EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
4. RADII ARE TO EDGE OF PAVEMENT OR TO BACK OF CURB LINE LOCATION UNLESS NOTED OTHERWISE.
5. SIDEWALK CURB RAMPS SHALL BE BUILT IN ACCORDANCE WITH FEDERAL AND STATE ACCESSIBILITY STANDARDS
6. SUBMIT SIDEWALK JOINTING PLAN TO ARCHITECT PRIOR TO CONSTRUCTION.
7. VERIFY LOCATION OF CURB CUTS PRIOR TO CONSTRUCTION.
8. CONTRACTOR SHALL PROTECT ALL LAND CORNERS, PROPERTY PINS, AND PERMANENT REFERENCE MARKERS UNLESS NOTED OTHERWISE. LAND CORNERS, PROPERTY PINS, AND PERMANENT REFERENCE MARKERS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR IN THE STATE OF IOWA AT THE CONTRACTOR'S EXPENSE.
9. ELECTRONIC AUTODESK CIVIL3D FILES WILL BE PROVIDED TO AID CONSTRUCTION LAYOUT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LAYOUT THE LOCATIONS AND GRADES BASED ON THE PRINTED PLANS, USING THE PROVIDED ELECTRONIC FILES FOR ASSISTANCE. IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE PRINTED PLANS AND THE ELECTRONIC FILES BEFORE PROCEEDING WITH WORK.
10. VERIFY ALL COORDINATES PRIOR TO CONSTRUCTION. CHECK HORIZONTAL AND VERTICAL INFORMATION INCLUDING BUT NOT LIMITED TO ALIGNMENTS, LOCATIONS, ELEVATIONS, AND DIMENSIONS, THAT EITHER THE PLANS SHOW OR THE ENGINEER PROVIDES, FOR COMPATIBILITY WITH EXISTING FIELD CONDITIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS FOR REVIEW PRIOR TO STAKING.

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DATE _____

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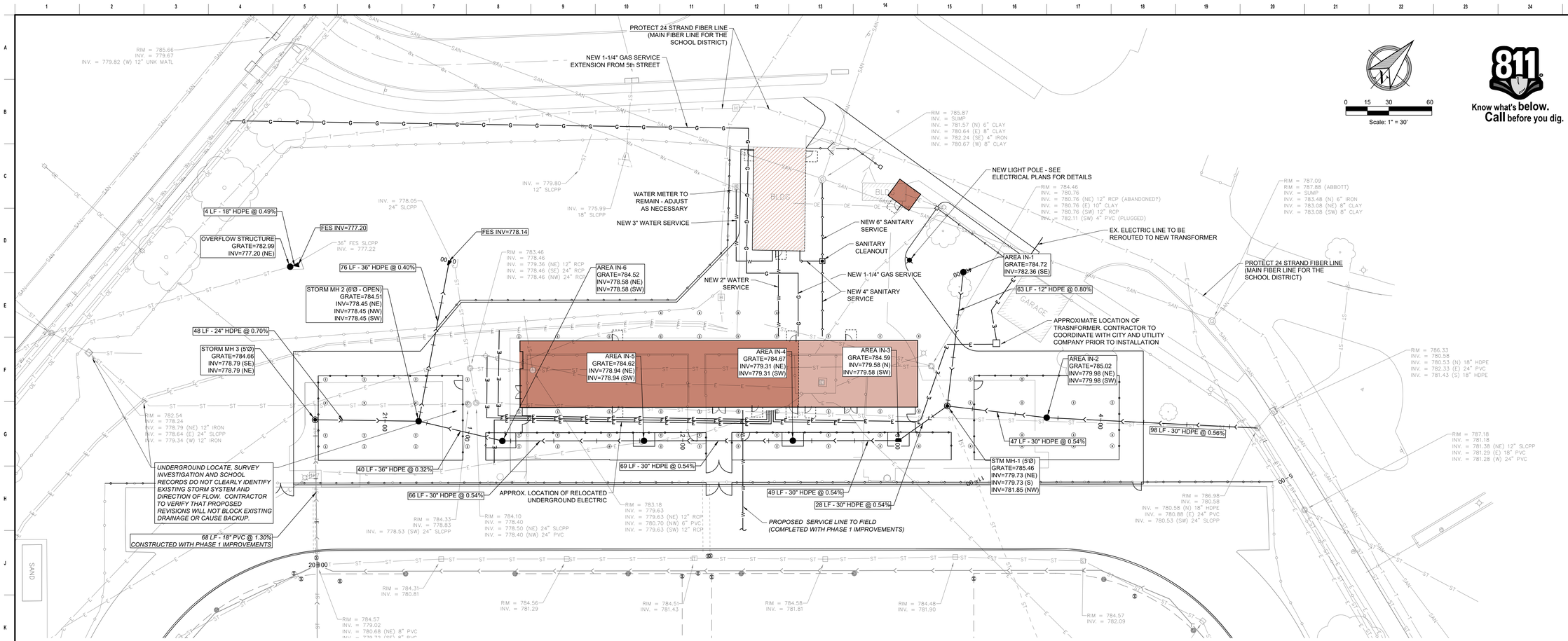
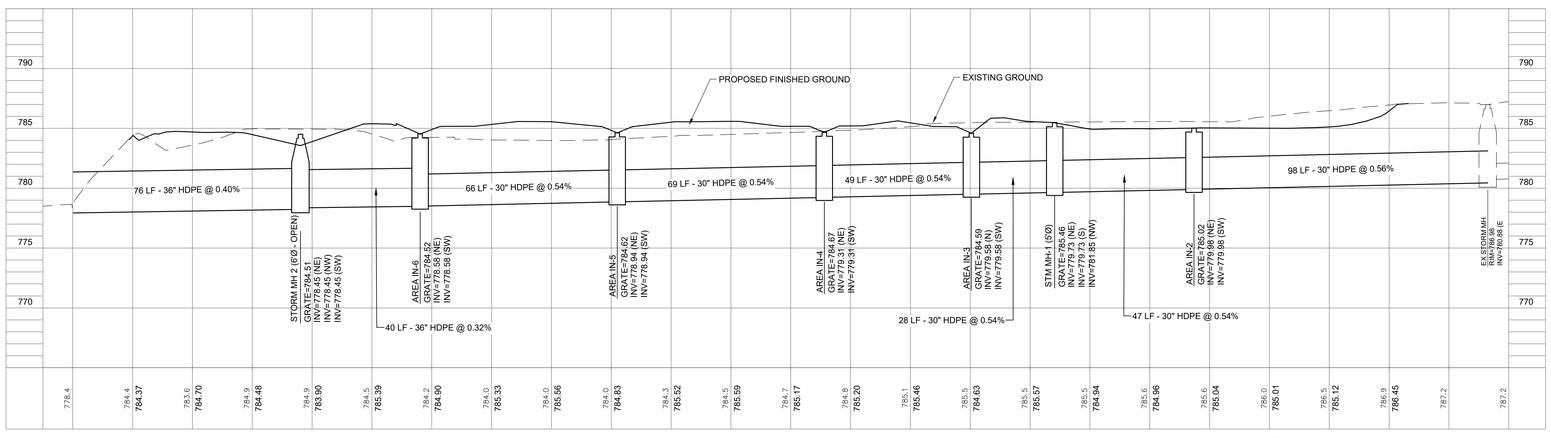
PHASE 2
SITE LAYOUT PLAN

C-103

ISSUED FOR BIDDING





STORM SEWER PROFILE
EX. STM MH TO DETENTION

UTILITIES LEGEND

CENTERLINE	SUPPORT COLUMN
SANITARY SEWER	STORM MANHOLE
STORM SEWER	STORM INLET
WATER LINE	STORM INLET
UNDERGROUND ELEC.	FLARED END SECTION
OVERHEAD ELEC.	SANITARY MANHOLE
GAS LINE	WATER VALVE
TELEPHONE LINE	WATER SHOT-OFF VALVE
CHAIN LINK FENCE	HYDRANT
TREE LINE	IRRIG. CNTRL. OR MISC. EQUIP.
PROPOSED CHAIN LINK FENCE	POWER POLE
PROPOSED ELECTRIC LINE	GUY WIRE
PROPOSED STORM SEWER LINE	TELEPHONE PEDESTAL
SANITARY SERVICE LINE	HANDHOLE
WATER SERVICE LINE	LIGHT POLE
GAS SERVICE LINE	SIGNS
	POST/BOLLARD
	CONIFER TREE
	DECIDUOUS TREE
	CONTROL POINT
	PROPOSED TRANSFORMER
	PROPOSED STORM MANHOLE
	PROPOSED OPEN INLET

UTILITY NOTE

ALL UTILITIES, MAINS, SERVICE CONNECTIONS, AND STRUCTURES ARE APPROXIMATE ONLY AND WERE OBTAINED FROM RECORDS MADE AVAILABLE TO THE ENGINEER. THERE MAY BE OTHER EXISTING UTILITIES, MAINS, SERVICE CONNECTIONS, AND STRUCTURES NOT KNOWN AND NOT SHOWN ON THIS THESE PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION, DEPTH, AND SIZE OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. CALL IOWA ONECALL (1-800-292-8989) FOR UTILITY LOCATES A MINIMUM OF 48-HOURS PRIOR TO DIGGING. REVIEW EXISTING UTILITY RECORDS SUPPLIED BY THE ARCHITECT AND PERFORM EXPLORATORY DIGGING AS NECESSARY TO VERIFY UTILITIES PRIOR TO ORDERING MATERIALS AND CONSTRUCTION OF IMPROVEMENTS.

UTILITY NOTES:

1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ELDRIDGE CODE OF ORDINANCES, CURRENT EDITION OF STATEWIDE URBAN STANDARDS AND SPECIFICATIONS (SUDAS),CITY OF ELDRIDGE STANDARD SPECIFICATIONS AND DETAILED DRAWINGS, AND CURRENT EDITION OF STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION (IOWA DOT) WHERE REFERENCED.
2. LOCATION OF UNDERGROUND UTILITIES SHOULD BE CONSIDERED AS APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT EACH UTILITY COMPANY AND IOWA ONE-CALL FOR LOCATION OF EXISTING LINES IN OR NEAR THE CONSTRUCTION AREA. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS BETWEEN THE DRAWINGS AND THE EXISTING FEATURES.
3. CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW GRADE EXISTING UTILITIES, PAVED STREETS AND OTHER ITEMS TO REMAIN, INCLUDING ANY NOT SHOWN IN THE PLANS. CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY MAJOR CONFLICTS BETWEEN THE DRAWING AND THE EXISTING FEATURES. DAMAGE TO EXISTING UTILITIES, PAVING OR OTHER ITEMS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
4. NOTIFY UTILITY COMPANIES TO REMOVE AND RELOCATE UTILITIES IF NEEDED.
5. COORDINATE WITH OWNER AND ADJOINING PROPERTIES WHEN SCHEDULING DISCONNECTION OF UTILITIES OR SERVICE DISRUPTIONS.
6. USE GRANULAR BACKFILL MATERIALS FOR ALL UTILITY EXCAVATIONS WITHIN 2' OF PAVED SURFACES.
7. ADJUSTMENTS OF UTILITY FIXTURES, VALVES, AND CASTINGS SHALL BE INCIDENTAL TO THE PAVEMENT AND GRADING ITEMS, UNLESS NOTED OTHERWISE. ANY DAMAGE MADE TO UTILITIES DURING ADJUSTMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
8. EXISTING UTILITY MARKERS SHALL BE CAREFULLY REMOVED, STORED, AND REINSTALLED AS REQUIRED FOR CONSTRUCTION. UTILITY MARKERS LOST OR DESTROYED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

STORM SEWER NOTES:

1. SEE CITY OF ELDRIDGE SPECIFICATIONS FOR ALLOWABLE PIPE MATERIALS.
2. LENGTHS OF PIPE RUNS SHOWN ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES. SLOPES AND LENGTHS ARE BASED UPON THOSE MEASUREMENTS.
4. ADHERE TO ALL IOWA DNR WATER AND SEWER SEPARATION REQUIREMENTS.

TRENCH EXCAVATION AND BACKFILL:

1. EXCAVATE TRENCH TO UNIFORM WIDTHS AS SHOWN IN STANDARD DETAILS. TRENCH BOTTOM SHALL PROVIDE A SMOOTH, FIRM, STABLE, AND ROCK FREE FOUNDATION FOR THE ENTIRE LENGTH OF THE PIPE.
2. FOR UTILITIES IN FILL, CONSTRUCT COMPACTED EMBANKMENT TO A MINIMUM OF 2' ABOVE TOP OF PIPE ELEVATION PRIOR TO TRENCHING.
3. NOTIFY OWNER IF UNSUITABLE MATERIALS EXIST IN THE TRENCH. OVEREXCAVATE AS DEEMED NECESSARY BY THE OWNER, AND INSTALL TRENCH STABILIZATION MATERIAL BELOW THE BEDDING ELEVATION TO PROVIDE FOR PROPER PIPE OR STRUCTURE SUPPORT.
4. BACKFILL WITH GRANULAR MATERIALS AS SPECIFIED ABOVE TO 1' ABOVE PIPE FOR FLEXIBLE PIPE MATERIALS AND TO SPRINGLINE FOR RIGID PIPE MATERIALS.
5. REMAINDER OF TRENCH SHALL BE BACKFILLED WITH SUITABLE EXCAVATED MATERIALS IN LOCATIONS BEYOND 2' OF PAVED SURFACES. USE GRANULAR BACKFILL MATERIALS WITHIN 2' OF PAVED SURFACES AS SPECIFIED ABOVE.
6. PLACE AND COMPACT SPECIFIED BACKFILL MATERIALS TO THE PROPOSED SUBGRADE OR SURFACE ELEVATIONS. COMPACT TO 95% OF STANDARD PROCTOR DENSITY BENEATH PAVEMENT AND WITHIN PUBLIC RIGHT-OF-WAY AND 90% OF STANDARD PROCTOR DENSITY IN OTHER LOCATIONS.

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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NO.	DESCRIPTION	DATE

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PHASE 2
UTILITY PLAN AND STORM PROFILE

C-104

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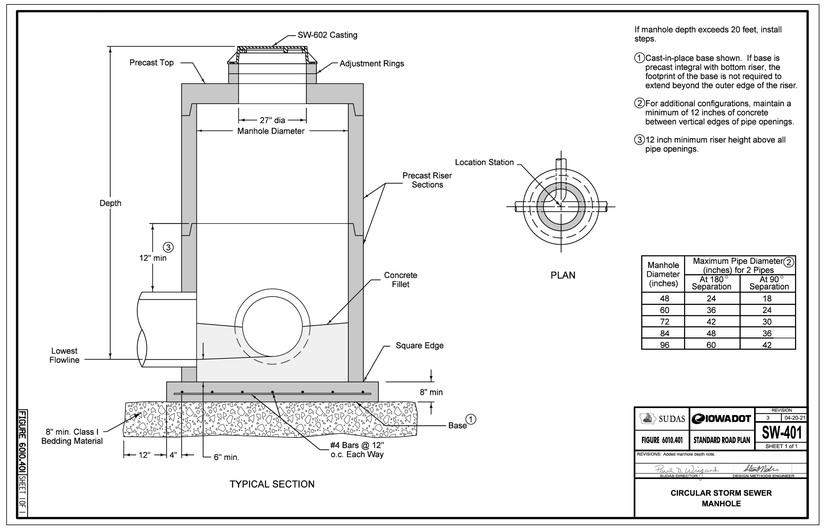
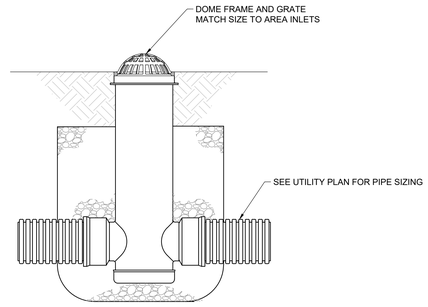
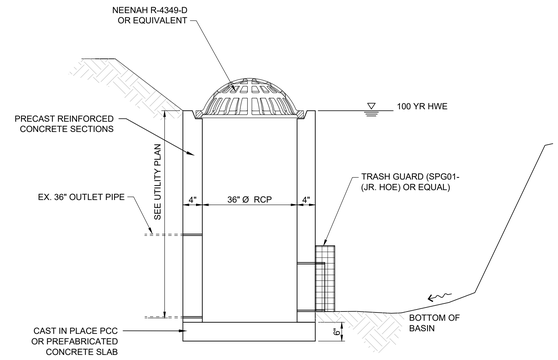
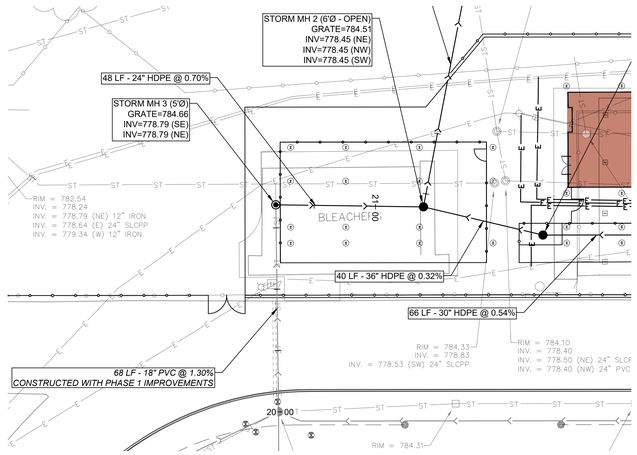


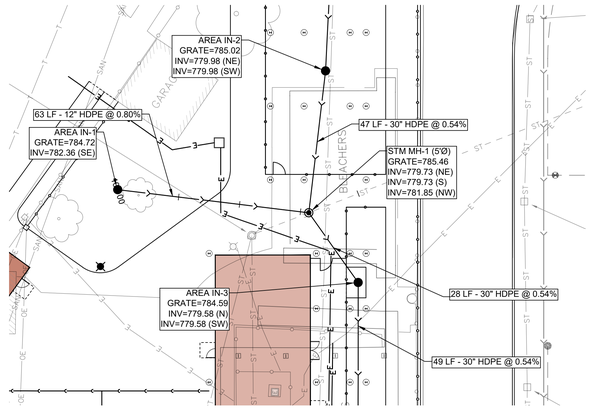


NYLOPLAST DRAIN BASIN - NON PAVED AREAS
N.T.S.

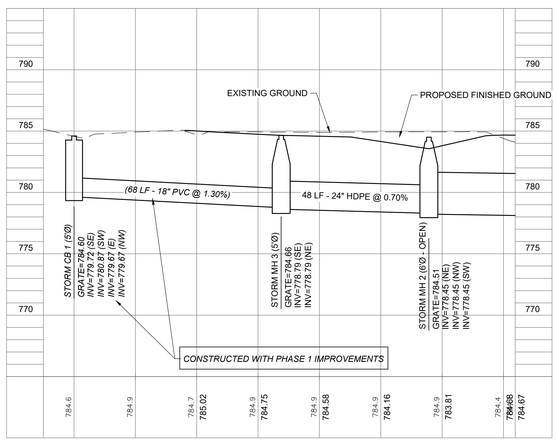


DETENTION OVERFLOW STRUCTURE
N.T.S.

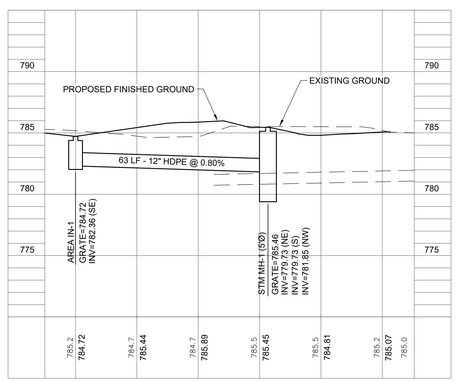




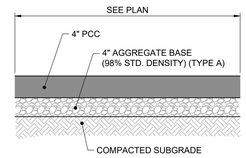
Know what's **below.** **Call** before you dig.



STORM SEWER PROFILE
CB 1 (FIELD DRAINAGE) TO STM MH 2



STORM SEWER PROFILE
AREA IN 1 (COURTYARD) TO STM MH 1



PCC SIDEWALK DETAIL
N.T.S.

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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PHASE 2
STORM PROFILES AND SITE DETAILS

C-105

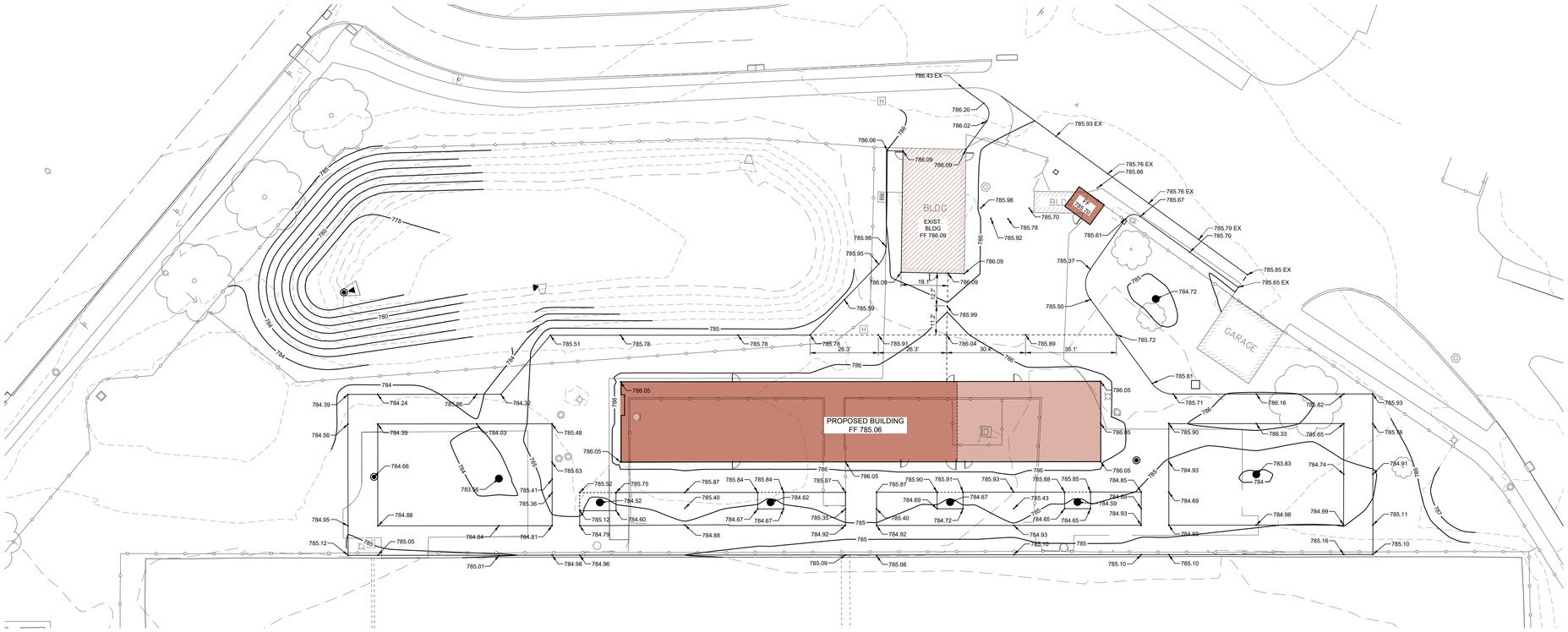
ISSUED FOR BIDDING

Know what's **below.**
Call before you dig.

0 15 30 60
Scale: 1" = 30'

UTILITIES LEGEND

CENTERLINE	SUPPORT COLUMN
SANITARY SEWER	STORM MANHOLE
STORM SEWER	STORM INLET
WATER LINE	STORM INLET
UNDERGROUND ELEC.	FLARED END SECTION
OVERHEAD ELEC.	SANITARY MANHOLE
GAS LINE	WATER VALVE
TELEPHONE LINE	WATER SHOT-OFF VALVE
CHAIN LINK FENCE	HYDRANT
TREE LINE	IRRIG. CNTRL. OR MISC. EQUIP.
PROPOSED CHAIN LINK FENCE	POWER POLE
PROPOSED ELECTRIC LINE	GUY WIRE
PROPOSED STORM SEWER LINE	TELEPHONE PEDESTAL
SANITARY SERVICE LINE	HANDHOLE
WATER SERVICE LINE	LIGHT POLE
GAS SERVICE LINE	SIGNS
	POST/BOLLARD
	CONIFER TREE
	DECIDUOUS TREE
	CONTROL POINT
	PROPOSED TRANSFORMER
	PROPOSED STORM MANHOLE



LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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PHASE 2
GRADING PLAN

C-106

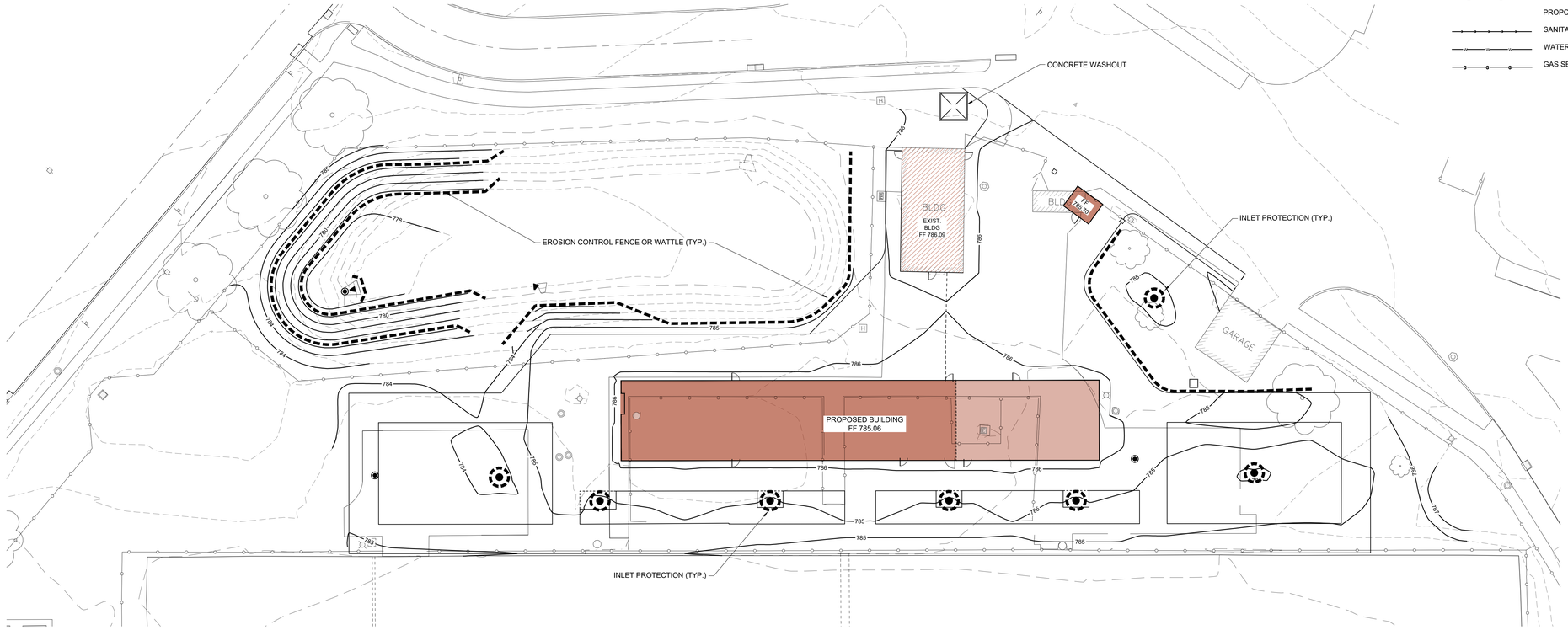
ISSUED FOR BIDDING

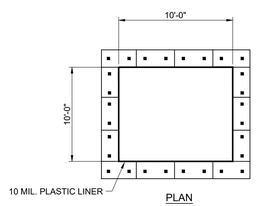
Know what's **below.**
Call before you dig.

0 15 30 60
Scale: 1" = 30'

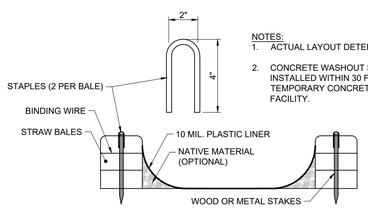
UTILITIES LEGEND

	CENTERLINE		SUPPORT COLUMN
SAN	SANITARY SEWER		STORM MANHOLE
ST ST	STORM SEWER		STORM INLET
W W	WATER LINE		STORM INLET
E E	UNDERGROUND ELEC.		FLARED END SECTION
OE OE	OVERHEAD ELEC.		SANITARY MANHOLE
G G	GAS LINE		WATER VALVE
T T	TELEPHONE LINE		WATER SHOT-OFF VALVE
	CHAIN LINK FENCE		HYDRANT
	TREE LINE		IRRIG. CNTRL. OR MISC. EQUIP.
	PROPOSED CHAIN LINK FENCE		POWER POLE
E E	PROPOSED ELECTRIC LINE		GUY WIRE
	PROPOSED STORM SEWER LINE	T	TELEPHONE PEDESTAL
	SANITARY SERVICE LINE	H	HANDHOLE
W W	WATER SERVICE LINE		LIGHT POLE
G G	GAS SERVICE LINE		SIGNS
			POST/BOLLARD
			CONIFER TREE
			DECIDUOUS TREE
			CONTROL POINT
			PROPOSED TRANSFORMER
			PROPOSED STORM MANHOLE





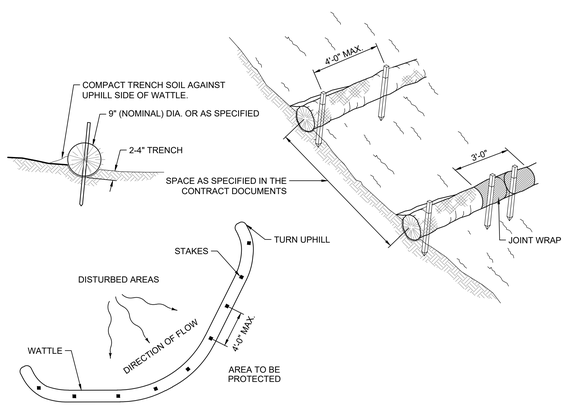
PLAN



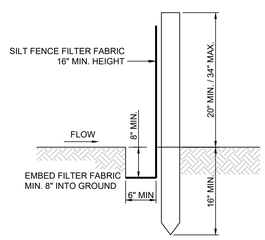
SECTION

NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

TEMPORARY CONCRETE WASHOUT
N.T.S.



WATTLE FOR EROSION CONTROL
N.T.S.



NOTES:
1. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO ALIGNMENT LENGTH TO AVOID JOINTS.
2. FILTER FABRIC SHALL BE FASTENED SECURELY TO THE UPSLOPE OF THE SUPPORT POSTS USING ONE INCH MIN., LONG HEAVY-DUTY WIRE STAPLES OR TIE WIRES WITH EIGHT INCHES MIN. OF FABRIC EXTENDED INTO THE TRENCH. DO NOT STAPLE FABRIC TO TREES.
3. COMPACTED SOIL BACKFILL SHALL BE PLACED IN THE 8" BY 6" TRENCH ATOP THE EXTENDED FABRIC.
4. POSTS SHALL BE CONSTRUCTED OF 2" BY 2" HARDWOOD OR 2" BY 4" PINE BY 60" LONG OR AS AN ALTERNATE USE STEEL "T" OR "U" TYPE.
5. FILTER FABRIC SHALL BE NON-WOVEN "MIRAFI 100X" OR EQUAL.
6. SPACING OF POSTS SHALL BE A MAXIMUM OF 10'.

SILT FENCE DETAIL
N.T.S.

EROSION CONTROL NOTES:

1. CONTRACTOR SHALL FOLLOW THE IOWA DNR REGULATIONS AND THE CITY OF ELDRIDGE GUIDELINES FOR EROSION CONTROL
2. PROJECT IS COVERED UNDER A GENERAL NPDES PERMIT FOR CONSTRUCTION SITE ACTIVITIES. IT IS STILL THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE, MONITOR, INSPECT, AND MAINTAIN SITE EROSION CONTROL BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AT ALL TIMES.
3. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITH NO PONDING.
4. EROSION CONTROL MUST BE INSTALLED PRIOR TO ANY EARTH MOVING OPERATIONS (OR AS SOON AS PRACTICAL). IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSTALL EROSION CONTROL MEASURES INCLUDING SILT FENCE, SEDIMENT TRAPS, CHECK DAMS, DIVERSION SWALES, ETC. AS REQUIRED UNTIL VEGETATION IS ESTABLISHED.
5. LOCATION OF EROSION CONTROL BARRIER SHOWN ON PLAN IS APPROXIMATE ONLY. ACTUAL PLACEMENT TO BE DETERMINED BY CONTRACTOR AND RELOCATED AS NECESSARY DURING PROGRESSION OF CONSTRUCTION ACTIVITIES.
6. RUNS OF WATTLES, SILT FENCE, OR EROSION BARRIER SHALL NOT EXCEED 200 FEET.
7. THE LAST 20 FEET OF A RUN OF SILT FENCE OR EROSION BARRIER SHALL FLARE UP THE SLOPE OR IN THE DIRECTION FROM WHICH THE FLOW ORIGINATES.
8. INCORPORATE A MEANS OF EMERGENCY BYPASS TO PREVENT FLOODING DURING LARGE STORM EVENTS OR IF FILLED WITH SEDIMENT.
9. CONTRACTOR SHALL PREVENT OFF-SITE TRACKING OF SEDIMENT. ANY SEDIMENT DEPOSITED ON PUBLIC ROADWAYS SHALL BE REMOVED AS SOON AS PRACTICAL.
10. ALL DISTURBED AREA SHALL BE COVERED WITH TOP SOIL, FINE GRADED, SEEDED, AND FERTILIZED. AREA TO BE COVERED WITH EROSION CONTROL BLANKETS OR OTHER METHOD APPROVED BY ARCHITECT.
11. ALL DEVICES AND MATERIALS ARE TO BE REGULARLY CHECKED, CLEANED OUT, AND REPAIRED AS NEEDED AND IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.
12. IF NO ACTIVITY OCCURS OR IS ANTICIPATED FOR 14 DAYS, AREA SHALL BE STABILIZED WITHIN 7 DAYS OF LAST ACTIVITY.

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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PHASE 2
EROSION CONTROL PLAN

C-107

ISSUED FOR BIDDING

DESIGN CRITERIA

1. STRUCTURE HAS BEEN DESIGNED TO COMPLY WITH:
   IBC 2015
   ASCE 7-10
   ACI 318-14
   ACI 530-11
   AISC 341-10
   AWS D1.1
   NDS-15 AND SDPWS-15
2. RISK CATEGORY I
3. SUPERIMPOSED LOADS ON CONCESSION ARE LISTED ON PLANS.
4. SNOW:

GROUND SNOW	25 PSF
SNOW EXPOSURE FACTOR	1.0 [TICKET BOOTH] 0.9 [CONCESSIONS]
THERMAL FACTOR	1.1
IMPORTANCE FACTOR	0.8
BALANCED SNOW	12 PSF [CONCESSIONS]
DESIGN SNOW	16 PSF [TICKET BOOTH]

5. SEISMIC:

SEISMIC DESIGN CATEGORY	B
IMPORTANCE FACTOR	1.0
SOIL CLASS	D
Ss	0.091 g
S1	0.063 g
Sds	0.097 g
Sd1	0.101 g
SEISMIC FORCE RESISTING SYSTEM	ORDINARY REINFORCED MASONRY SHEAR WALLS
R	2.0
Cd	1.75
Ωo	2.5
ρ	1.0
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
DESIGN BASE SHEAR, STRENGTH LEVEL	V = Cs x W = 0.0485 x 335 KIP = 16.3 KIP [CONCESSIONS]

6. WIND:

BASIC WIND SPEED	V ULT = 115 MPH		
IMPORTANCE FACTOR	1.0		
EXPOSURE CLASS	B		
INTERNAL PRESSURE COEFFICIENT, GCpi	± 0.18 [CONCESSION]		
ROOF COMPONENTS: [CONCESSION]	ZONE 1	ZONE 2	ZONE 3
SUPPORT FRAMING (A > 100 SF)	22 PSF	26 PSF	26 PSF
ROOF SHEATHING (A = 50 SF)	23 PSF	30 PSF	36 PSF
DECK FASTENERS (A ≤ 10 SF)	24 PSF	40 PSF	60 PSF
WALL COMPONENTS: [CONCESSION]	ZONE 4	ZONE 5	
A = 200 SF	20 PSF	21 PSF	
A = 50 SF	22 PSF	25 PSF	
A ≤ 10 SF	24 PSF	29 PSF	
BASE SHEAR, STRENGTH LEVEL [CONCESSION]	V = 24.8 KIP N-S		

   C & C NOTES:
   a. THE PRESSURES LISTED ARE IN ACCORDANCE IBC AND ASCE 7, AND THE DESIGN FORCES USED BY THE SUBCONTRACTOR FOR A SPECIFIC APPLICATION ARE THE RESPONSIBILITY OF THE SUBCONTRACTOR.
   b. WIND PRESSURES ARE ULTIMATE DESIGN LEVEL.
   c. SEE ASCE 7 FOR ZONE DEFINITIONS AND EXTENT OF ZONES.
   d. SUBMIT DESIGN CALCULATIONS PREPARED BY A QUALIFIED PROFESSIONAL ENGINEER, REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED, FOR ANY DESIRED MODIFICATION TO THE STATED PRESSURES.
7. ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED BY MASONRY SHEAR WALLS IN EACH ORTHOGONAL DIRECTION. SEE PLANS FOR LOCATIONS. THE ROOF DECKS SERVE AS HORIZONTAL DIAPHRAGMS DISTRIBUTING THE LATERAL FORCES TO THE VERTICAL LATERAL ELEMENTS WHICH IN TURN CARRY THE LOAD TO THE BUILDING FOUNDATIONS.

GENERAL

1. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONNEL AND PROPERTY ON AND AROUND THE JOBSITE. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING, GUYS, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.
2. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
3. STRUCTURAL SUBSTITUTIONS MAY BE ALLOWED WITH THE APPROVAL OF THE STRUCTURAL ENGINEER. SUPPLIER SHALL PROVIDE SEALED DESIGN CALCULATIONS OR SUITABLE PRODUCT LITERATURE FOR THE COMPONENTS.
4. ALL DIMENSIONS AND SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOBSITE PRIOR TO CONSTRUCTION, START OF SHOP DRAWINGS, START OF CONSTRUCTION, AND/OR FABRICATION OF MATERIALS. IF DISCREPANCIES ARE ENCOUNTERED, OR CONDITIONS DEVELOP THAT ARE NOT COVERED BY THE CONTRACT DOCUMENTS, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
5. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF NEW WORK.
6. STRUCTURAL DRAWINGS INCLUDE DESIGN REQUIREMENTS AND DIMENSIONS FOR STRUCTURAL INTEGRITY BUT DO NOT SHOW ALL DETAIL DIMENSIONS TO FIT INTRICATE ARCHITECTURAL AND MECHANICAL DETAILS. CONTRACTOR SHALL SO CONSTRUCT THE WORK SO IT WILL CONFORM TO THE CLEARANCES REQUIRED BY ARCHITECTURAL, MECHANICAL AND ELECTRICAL DESIGN.
7. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
8. DO NOT SCALE DRAWINGS. PRINTED DIMENSIONS HAVE PRECEDENCE OVER SCALED DRAWINGS AND LARGE-SCALE OVER SMALL-SCALE DRAWINGS. CONTRACTOR TO DETERMINE FINAL DIMENSION WITH ARCHITECT.
9. TYPICAL DETAILS SHALL APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
10. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND SAFETY OF WORKMEN DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OR APPROVAL OF THE ABOVE ITEMS AND DO NOT IN ANY WAY RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITIES FOR THE ABOVE.
11. SEE ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS, CONDITIONS, PITS, TRENCHES, PADS, DEPRESSIONS, ROOF/FLOOR OPENINGS, STAIRS, SLEEVES, ITEMS TO BE EMBEDDED OR ATTACHED TO STRUCTURAL ELEMENTS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS.
12. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRICAL AND PLUMBING WITH APPROPRIATE TRADE CONTRACTORS. OPENING SIZES AND LOCATIONS SHOWN FOR DUCTS, PIPE, INSERTS AND OTHER PENETRATIONS WHEN SHOWN ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED PRIOR TO FORMING.
13. NO HOLES, NOTCHES, BLOCK-OUTS, ETC. ARE ALLOWED IN STRUCTURAL ELEMENTS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.
14. PENETRATIONS SHALL BE CAST-IN-PLACE AND SHALL NOT BE PERMITTED EXCEPT AS SHOWN IN THE STRUCTURAL DRAWINGS.
15. BEFORE SUBMITTING A PROPOSAL FOR THIS WORK, EACH PARTY SHALL VISIT THE PREMISES AND BECOME FULLY ACQUAINTED WITH CONDITIONS IN FIELD, TEMPORARY CONSTRUCTION REQUIRED, QUANTITIES AND TYPE OF EQUIPMENT, ETC. THE PROPOSAL SHALL INCLUDE ALL SUMS REQUIRED TO DO THE WORK.

SUBMITTALS

1. SUBMITTALS ARE:
   a. CONCRETE MIX DESIGNS
   b. MATERIAL PRODUCT DATA FOR STRUCTURAL MATERIALS
   c. CONCRETE AND MASONRY REINFORCING
   d. STEEL FABRICATION AND MISCELLANEOUS METALS
2. SUBMITTALS SHALL BE REVIEWED AND COORDINATED PRIOR TO SUBMITTING TO THE ARCHITECT. EACH SHOP DRAWING SUBMITTED SHALL BE STAMPED INDICATING REVIEW BY THE CONSTRUCTION MANAGER AND REVIEW BY THE ARCHITECT SHALL NOT BEGIN UNTIL THIS IS COMPLETE. WORK SHALL NOT BEGIN WITHOUT REVIEW BY THE ARCHITECT/STRUCTURAL ENGINEER.
3. SUBMITTALS SHALL BE REVIEWED BY THE ARCHITECT/STRUCTURAL ENGINEER FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. NOTATIONS MADE BY THE ARCHITECT/STRUCTURAL ENGINEER ON THE SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS.
4. FOR ADDITIONAL INFORMATION ON REQUIRED SUBMITTALS, SEE INDIVIDUAL MATERIAL SECTIONS.

DELEGATED DESIGN

1. DELEGATED DESIGNS PER SECTION 107.3.4.1 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONALS AND REVIEWED PRIOR TO INSTALLATION.
2. DELEGATED DESIGNS ARE:
   a. EXCAVATION, AND SHORING.
   b. WOOD TRUSSES.
3. ALL DELEGATED DESIGNS SHALL BEAR THE STAMP AND SIGNATURE OF THE QUALIFIED PROFESSIONAL STRUCTURAL ENGINEER, REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED, RESPONSIBLE FOR THE PREPARATION OF THESE DOCUMENTS.

EXISTING CONDITIONS / DEMOLITION

1. EXISTING CONDITIONS:
   a. EXISTING STRUCTURAL INFORMATION SHOWN WAS OBTAINED FROM FIELD TAKE-OFF BY IMEG AS PERMITTED BY ACCESS RESTRICTIONS DURING DESIGN.
   b. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE. CONTRACTOR TO VERIFY EXISTING INFORMATION, DIMENSIONS AND SIZES AS REQUIRED TO COMPLETE THEIR WORK. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO THE ARCHITECT OR STRUCTURAL ENGINEER SO PROPER CLARIFICATION MAY BE MADE. MODIFICATION OF CONSTRUCTION DETAILS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT OR STRUCTURAL ENGINEER.
2. ALL DEMOLITION SHALL BE CARRIED OUT IN SUCH A WAY SO AS TO NOT DAMAGE EXISTING ELEMENTS WHICH ARE TO REMAIN.
3. ALL ELEMENTS WHICH ARE TO REMAIN AND WHICH ARE DAMAGED DURING DEMOLITION WORK SHALL BE REPLACED AT NO ADDED COST. EXISTING ELEMENTS ARE TO BE PROTECTED TO THE FULLEST EXTENT POSSIBLE TO REDUCE SUCH DAMAGE TO A MINIMUM.

EARTHWORK

1. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT DATED 06/29/2023 BY TEAM SERVICES, INC. REPORT IS ON FILE WITH THE ARCHITECT.
2. SOIL PROPERTIES PER THE GEOTECHNICAL REPORT:

ALLOWABLE NET SOIL BEARING PRESSURE:	
FOOTINGS	1,500 PSF [DL+SL]
ANTICIPATE DEPTH TO ALLOWABLE SOIL BEARING	3.5 FT BELOW EXISTING GRADE
FROST DEPTH	3'-6"

3. GEOTECHNICAL REPORT INDICATES FOUNDATIONS MAY BEAR WITHIN OR DIRECTLY ABOVE THE MODERATELY EXPANSIVE SOILS ENCOUNTERED IN THE BORINGS. CONTRACT ALLOWANCES SHOULD BE MADE FOR SOME REMEDIAL WORK AT THE SITE RELATED TO SUBGRADE PREPARATION AND FOUNDATION CONSTRUCTION. THE AMOUNT OF SUCH WORK CANNOT BE DEFINED AT THIS TIME. THE OWNER SHOULD BE INFORMED OF THESE COST VARIABLES.
4. ALL EXCAVATIONS SHALL BE PROPERLY AND SAFELY BACKFILLED. CONTRACTOR SHALL BRACE OR PROTECT ALL WALLS BELOW GRADE FROM LATERAL LOADS UNTIL SUPPORTING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED 7-DAY STRENGTH MINIMUM. BACKFILLING IS NOT PERMITTED FOR FOUNDATION WALLS UNTIL SUPPORTED SLAB TOP AND BOTTOM IS IN PLACE OR THE WALL IS ADEQUATELY BRACED TO RESIST LATERAL LOADS. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS, AND INSTALLATION OR SHORING AND/OR SHEETING.
5. CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER OR SEEPAGE. FREE GROUND WATER WAS NOT ENCOUNTERED IN THE BORINGS. DETAILS OF GROUND WATER INFORMATION CAN BE OBTAINED FROM THE ABOVE-MENTIONED GEOTECHNICAL REPORT. IF GROUND WATER SHOULD OCCUR DURING EXCAVATION, SPECIAL PROCEDURES SHALL BE IMPLEMENTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
6. WHERE THERE IS NOT SUFFICIENT SPACE FOR SLOPED EMBANKMENTS, SHORING WILL BE REQUIRED. SEE THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING THE DESIGN AND INSTALLATION OF THE SHORING. SHORING THAT IS NOT PART OF THE PERMANENT BUILDING SUPPORT IS THE CONTRACTOR'S RESPONSIBILITY AND OUTSIDE THIS PERMIT.
7. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILL MATERIAL OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS AND FOUNDATIONS. IF ANY SUCH MATERIAL OR STRUCTURES ARE FOUND, ARCHITECT/ENGINEER SHALL BE NOTIFIED IMMEDIATELY. ALL ABANDONED FOUNDATIONS, UTILITIES AND OTHER STRUCTURES THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
8. ALL FOOTINGS AND SLABS ON GRADE SHALL BE PLACED ONTO FIRM UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL, REMOVING ANY EXISTING FILL, ORGANIC MATERIAL, OR UNSUITABLE SOILS, AS RECOMMENDED BY THE GEOTECHNICAL REPORT. EXPOSED NATURAL SOIL SHALL BE PROOF ROLLED BELOW SLABS ON GRADE.
9. THE PREPARATION OF THE SUBGRADE FOR THE SLAB ON GRADE SHALL BE IN STRICT ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT REFERENCED ABOVE. THE CONTRACTOR SHALL DIRECT QUESTIONS REGARDING THE SUBGRADE PREPARATION REQUIREMENTS TO THE GEOTECHNICAL ENGINEER.
10. FOUNDATION ELEVATIONS SHOWN DESIGNATE A MINIMUM DEPTH WHERE AN ADEQUATE SOIL BEARING PRESSURE IS EXPECTED. FOOTINGS, PIERS AND/OR WALLS SHALL BE LOWERED OR EXTENDED AS REQUIRED TO REACH SOIL MEETING THE DESIGN BEARING PRESSURE.
11. ALL REQUIRED BACKFILL WITHIN THE BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN 12" LAYERS TO 90% MAXIMUM DRY DENSITY PER ASTM D1557 AND TO THE APPROVAL OF THE INSPECTION AGENCY.
12. THE MOISTURE CONTENT OF ONSITE CLAYEY SOILS AT THE TIME OF COMPACTION SHALL BE BETWEEN -2-3% ABOVE OPTIMUM MOISTURE CONTENT.
13. ANY REQUIRED IMPORT FILL SOIL SHALL HAVE A LOW POTENTIAL FOR EXPANSION AND SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO IMPORTING.

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE AMERICAN CONCRETE INSTITUTE "ACI DETAILING MANUAL" (SP-066) EXCEPT AS OTHERWISE SHOWN, NOTED OR SPECIFIED.
2. CONCRETE REINFORCING STEEL SHALL BE HIGH STRENGTH NEW BILLET STEEL CONFORMING TO THE FOLLOWING STANDARDS:

DEFORMED BARS	ASTM A706, GR 60	Fy = 60 KSI
WELDED WIRE REINFORCING	ASTM A1064	Fy = 65 KSI
WELDABLE BARS, DEFORMED	ASTM A706, GR 60	Fy = 60 KSI

3. MINIMUM CONCRETE COVER SHALL BE PROVIDED AS FOLLOWS TO THE OUTERMOST REINFORCING BARS:

CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	3"
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
#6 BARS OR LARGER	2"
#5 BARS OR SMALLER	1 1/2"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
BOUNDARY ELEMENTS	1 1/2"

4. BAR SPLICES SHALL BE PROVIDED WHERE INDICATED ON THE DRAWINGS. ALL SPLICES SHALL BE CLASS 'B' AS DEFINED IN ACI 318. IF SPLICE LENGTH IS NOT GIVEN ON THE DRAWINGS, PROVIDE LAP LENGTH (IN INCHES) AS FOLLOWS:

BAR SIZE	3000 PSI CONCRETE		4000 PSI CONCRETE	
	OTHER	TOP	OTHER	TOP
#4	29	38	25	33
#5	36	47	31	41
#6	43	56	37	49
#7	63	81	54	71
#8	72	93	62	81

5. SUPPORTS FOR REINFORCEMENT SHALL HAVE CLASS 2 PROTECTION AS DEFINED IN THE CRSI MANUAL OF STANDARD PRACTICE, UNLESS OTHERWISE NOTED.
6. ALL WELDED WIRE REINFORCING (WWR) SHALL BE LAPPED 2 PANELS AT EDGES AND ENDS.
7. CONTINUOUS HORIZONTAL REINFORCING SHALL BE LAPPED AT MIDSPAN FOR TOP BARS AND DIRECTLY OVER SUPPORTS FOR BOTTOM BARS. AT DISCONTINUOUS ENDS, THE TOP STEEL SHALL BE BENT DOWN 12 BAR DIAMETERS OR 12" MINIMUM, WHICHEVER IS GREATER.
8. DOWELS BETWEEN FOOTINGS AND WALLS SHALL BE THE SAME GRADE, SIZE AND SPACING OR NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY, UNLESS OTHERWISE NOTED. PROVIDE FOUNDATION DOWELS TO MATCH SIZE AND SPACING OF WALL OR COLUMN REINFORCEMENT. EXTEND DOWELS A LAP SPLICE LENGTH INTO WALL OR COLUMN AND TERMINATE WITH STANDARD HOOK AT BOTTOM OF FOOTING, UNLESS OTHERWISE NOTED.
9. CUTTING OF REINFORCING WHICH CONFLICTS WITH EMBEDDED OBJECTS OR SLEEVES IS NOT ACCEPTABLE.
10. REINFORCING BARS SHALL BE BENT COLD, AND NO METHOD OF FABRICATION SHALL BE USED WHICH WOULD BE INJURIOUS TO THE MATERIAL. HEATING OF BARS FOR BENDING IS NOT PERMITTED.
11. FIELD WELDING OR BENDING OF REINFORCING IS NOT PERMITTED EXCEPT AS INDICATED ON THE DRAWINGS OR AS APPROVED BY THE STRUCTURAL ENGINEER.
12. USE TEMPLATES TO SET ALL EMBEDDED ANCHOR BOLTS, LEVELING PLATES, AND DOWEL BARS AS REQUIRED OR INDICATED ON THE DRAWINGS.
13. SUBMIT SHOP DRAWINGS FOR FABRICATION AND PLACEMENT OF REINFORCING STEEL. INCLUDE SCHEDULES AND DIAGRAMS OF BENT BARS AND SHOW ARRANGEMENT OF REINFORCEMENT, INCLUDING CONCRETE COVER. STRUCTURAL ENGINEER'S REVIEW WILL BE FOR COMPLIANCE WITH DESIGN REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DIMENSIONS AND QUANTITIES.

CAST-IN-PLACE CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE CORRESPONDING EDITION OF THE AMERICAN CONCRETE INSTITUTE PUBLICATIONS: ACI 117, ACI 301, ACI 305.1, ACI 306.1, ACI 308.1, ACI 318 AND SP-066, UNLESS OTHERWISE NOTED.
2. CONCRETE MATERIALS SHALL CONFORM TO:

CEMENT	ASTM C150, TYPE I OR II
FLY ASH	ASTM C618, TYPE C OR F
FINE AND COARSE AGGREGATE	ASTM C33
WATER	POTABLE
AIR-ENTRAINING ADMIXTURE	ASTM C260
WATER REDUCING ADMIXTURE	ASTM C494

   CONCRETE STRENGTHS SHALL CONFORM TO:

INTENDED USE	STRENGTH (PSI)	EXPOSURE CLASS
FOOTINGS	3000	F1, S0, C1, W1
FOUNDATIONS	4000	F1, S0, C1, W0
SLAB ON GRADE (CONCESSION)	4000	F0, S0, C1, W0
UNLESS OTHERWISE NOTED	4500	F2, S1, C2, W1

   NORMAL-WEIGHT 28-DAY STRENGTH UNLESS OTHERWISE NOTED.
3. THE MODULUS OF ELASTICITY OF ALL CONCRETE SHALL EXCEED 57,000 SQRT(f'c) FOR NORMAL-WEIGHT CONCRETE OR wc1.5 33 SQRT(f'c).
4. SLAB-ON-GRADE CONSTRUCTION: LOCATE SAW-CUT CONTROL JOINTS ALONG COLUMN LINES WITH INTERMEDIATE JOINTS SPACED PER THE TABLE BELOW, UNLESS OTHERWISE NOTED. SLAB PANELS SHALL HAVE A MAXIMUM LENGTH TO WIDTH RATIO OF 1.5:1. PROVIDE ADDITIONAL CONTROL JOINTS AT ALL RE-ENTRANT CORNERS. SEE PLAN FOR SPECIAL CASES.

THICKNESS (IN)	MAXIMUM JOINT SPACING EACH WAY (FT)
4	10
5	10

5. CROSS REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS TO ENSURE PROPER DIMENSIONS AND PLACEMENT OF ALL ANCHOR BOLTS, INSERTS, NOTCHES, AND EDGES OF WALLS/FOUNDATIONS PRIOR TO PLACING CONCRETE.
6. UNLESS OTHERWISE NOTED, ALL FOOTINGS SHALL BE CENTERED UNDER WALLS AND PIERS.
7. PRIOR TO PLACING CONCRETE, THE CONTRACTOR SHALL ENSURE ALL REINFORCING AND EMBEDMENTS, INCLUDING COLUMN ANCHOR BOLTS, ARE PROPERLY LOCATED AND SECURELY TIED IN PLACE.
8. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL PENETRATIONS THROUGH CONCRETE BEFORE PLACING. SECURE SLEEVES TO PREVENT MOVEMENT DURING PLACING OPERATIONS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS.
9. CONDUIT, PIPES, AND SLEEVES EMBEDDED IN CONCRETE SHALL CONFORM TO REQUIREMENTS OF ACI 318, SECTIONS 20.7 AND 26.8.
10. NO ALUMINUM SHALL BE ALLOWED IN THE CONCRETE WORK UNLESS COATED TO PREVENT ALUMINUM-CONCRETE REACTION.
11. PROJECTING CORNERS OF WALLS SHALL BE FORMED WITH A 3/4 INCH CHAMFER, UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.
12. SLOPE SLABS TO DRAINS OR FOR POSITIVE DRAINAGE IF NO DRAINS ARE PRESENT AND PROVIDE DEPRESSIONS WHERE SHOWN ON THE STRUCTURAL AND/OR ARCHITECTURAL DRAWINGS WITHOUT REDUCING THE THICKNESS OF SLAB INDICATED.
13. INTERNALLY VIBRATE SLABS-ON-GRADE AROUND UNDER FLOOR DUCTS AND OTHER EMBEDDED ITEMS.
14. CONCRETE SHALL NOT BE PERMITTED TO DROP MORE THAN 5 FEET.
15. IF CONCRETE IS PLACED BY PUMPING, SUPPORT SHALL BE PROVIDED FOR THE HOSE. THE HOSE SHALL NOT BE ALLOWED TO RIDE ON THE REINFORCING AND OTHER EMBEDDED ITEMS.
16. CONCRETE SLABS SHALL BE CURED BY KEEPING CONTINUOUSLY WET FOR 7 DAYS. FORMS FOR CONCRETE WALLS SHALL BE LEFT IN PLACE FOR 7 DAYS OR MAY BE STRIPPED AFTER 3 DAYS AND COATED WITH AN APPROVED CURING COMPOUND.
17. NOTIFY THE ARCHITECT/STRUCTURAL ENGINEER 48 HOURS MINIMUM PRIOR TO ALL POURS.
18. CONTRACTOR SHALL SURVEY ALL CONCRETE WORK WITHIN 48 HOURS OF PLACING CONCRETE TO ENSURE PLACEMENT IS IN ACCORDANCE WITH PROJECT REQUIREMENTS.
19. THE DESIGN AND ENGINEERING OF FORMWORK, SHORING AND RESHORING, AS WELL AS THEIR CONSTRUCTION, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. FORMS SHALL BE DESIGNED TO HAVE SUFFICIENT STRENGTH TO SAFELY WITHSTAND THE LOADS RESULTING FROM PLACEMENT AND VIBRATION OF THE CONCRETE AND SHALL ALSO BE DESIGNED FOR SUFFICIENT RIGIDITY TO MAINTAIN SPECIFIED TOLERANCES. CONTRACTOR SHALL SUBMIT DETAILED FORMWORK SHOP DRAWINGS TO THE ARCHITECT TO BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT ONLY.
20. CONCRETE FILL THICKNESS SHOWN ON FRAMING PLANS AND DETAIL SHEETS IS MINIMUM THICKNESS. NO ALLOWANCES HAVE BEEN SHOWN FOR ADDITIONAL CONCRETE FILL REQUIRED TO COMPENSATE FOR BEAM OR DECK DEFLECTIONS AND TO MAINTAIN SURFACE TOLERANCES SPECIFIED.
21. CORING OF CONCRETE IS NOT PERMITTED UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
22. NO CONCRETE SHALL BE PLACED ONTO OR AGAINST SUBGRADES CONTAINING FREE WATER, FROST, ICE OR SNOW.
23. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR SIZE, LOCATION AND HEIGHT OF MECHANICAL EQUIPMENT PADS ON CONCRETE SLAB ON STEEL DECK AND SLAB-ON-GRADE.
24. THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND REVIEWED BY THE TESTING AGENCY. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S. SUBMIT TEST DATA ON EACH PROPOSED MIX FOR REVIEW IN ACCORDANCE WITH THE APPLICABLE CODE. MIX DESIGNS SUBMITTED WITHOUT THE REQUIRED TEST DATA WILL BE RETURNED WITHOUT REVIEW.
25. PROVIDE SLAB COORDINATION DRAWING SUBMITTAL INDICATING COORDINATED LOCATIONS OF: MEP PENETRATIONS, SLEEVES, OPENINGS, IN-SLAB CONDUIT/DUCT (IF ALLOWED), EMBEDS, CAST-IN ANCHORS, AND OTHER ITEMS EMBEDDED IN CONCRETE ELEMENTS.

MASONRY

1. CMU CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH TMS 402/602 "BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES".
2. MINIMUM 28-DAY COMPRESSIVE STRENGTHS FOR CMU CONSTRUCTION SHALL BE:

DESIGN ASSEMBLY STRENGTH, f'm	2000 PSI
INDIVIDUAL CONCRETE MASONRY UNITS	2800 PSI
GROUT	2000 PSI

3. BAR SPLICES SHALL BE PROVIDED WHERE INDICATED ON THE DRAWINGS. IF SPLICE LENGTH IS NOT GIVEN ON THE DRAWINGS, PROVIDE LAP LENGTHS (IN INCHES) AS FOLLOWS EXCEPT BARS LARGER THAN #9 SHALL BE MECHANICALLY SPLICED: ASD (IBC 2015):

MINIMUM LAP SPLICE LENGTH	
BAR SIZE	f'm = 2000 PSI
	8" CMU
#3	12
#4	13
#5	20
#6	38

4. CMU MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS:

CONCRETE MASONRY UNITS	ASTM C90, NORMAL WEIGHT
MORTAR	ASTM C270, TYPE S
GROUT	ASTM C476
JOINT REINFORCING	ASTM A82

5. WIRE REINFORCING PER ASTM A82 FOR SINGLE-WYTHE CMU WALLS, CMU CAVITY WALLS, AND MULTI-WYTHE COMPOSITE CMU WALLS SHALL BE HOT-DIP GALVANIZED PER ASTM A153, CORROSION RESISTANT HORIZONTAL JOINT REINFORCING WITH THE FOLLOWING GAUGE AND VERTICAL SPACING:
   RUNNING BOND   9 GA @ 16" OC (ALL WIDTHS)
6. ALL LOAD BEARING CMU WALLS TO HAVE FULL MORTAR BED, HEAD, AND COLLAR JOINTS.
7. GROUT SOLID ALL JAMBS FULL HEIGHT IN LOAD BEARING CMU WALLS TO UNDERSIDE OF LINTEL PLUS ONE CELL BEYOND BEARING LENGTH.
8. PROVIDE MINIMUM 1 INCH GROUT BETWEEN MAIN REINFORCING AND/OR BOLTS AND CMU UNIT FACE. VERTICAL REINFORCEMENT SHALL BE CENTERED IN WALL, UNLESS OTHERWISE NOTED. VERTICAL REINFORCING BARS SHALL SECURELY BE HELD IN POSITION BY WIRE TIES OR OTHER APPROVED MEANS TO ENSURE DESIGN LOCATION AND LAP. PLACE BARS AND LAP PRIOR TO GROUTING.
9. HORIZONTAL BOND BEAM AND VERTICAL REINFORCING SHALL BE CONTINUOUS UNLESS OTHERWISE NOTED.
10. CELLS SHALL BE IN VERTICAL ALIGNMENT. DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH VERTICAL REINFORCING STEEL.
11. ALL CELLS CONTAINING REINFORCING SHALL BE FILLED SOLID WITH GROUT.
12. LIFTS OF GROUT SHALL BE KEYED 1 1/2 INCHES INTO THE PREVIOUS COURSE BELOW.
13. VERTICAL REINFORCEMENT SHALL BE FIELD CUT FOR 4'-0" LIFTS AND LAP SPLICED PER LAP LENGTH SCHEDULE.
14. COORDINATE ANY UNIDENTIFIED PIPE OR DUCT PASSING THROUGH STRUCTURAL CMU WALLS WITH TYPICAL DETAILS, UNLESS OTHERWISE NOTED.
15. SEE ARCHITECTURAL DRAWINGS FOR SURFACE AND HEIGHT OF UNITS, LAYING PATTERN, AND JOINT TYPE. ALL BLOCK SHALL BE LAID IN RUNNING BOND, UNLESS OTHERWISE NOTED.
16. PROVIDE HORIZONTAL TIES WHERE CMU ABUTS CONCRETE.

LINTELS

1. PROVIDE LINTELS OVER ALL OPENINGS AND RECESSES IN MASONRY CONSTRUCTION. LINTELS ARE NOT REQUIRED OVER OPENINGS 12" WIDE OR LESS THAT IS AT LEAST 1 COURSE BELOW THE BOND BEAM AT THE TOP OF WALL.
2. PENETRATIONS NOT IDENTIFIED ON THE DOCUMENTS ARE TO BE TREATED IN A MANNER SIMILAR TO THE IDENTIFIED LOCATIONS.
3. STEEL LINTELS IN 8" NON-BEARING WALLS SHALL BE SIZED PER THE FOLLOWING:

SPAN, L	STEEL OPTION (FOR EA 4" OF MASONRY) *
0' < L ≤ 4'-0"	L3 1/2x3 1/2x1/4
4'-0" < L ≤ 6'-0"	L4x3 1/2x5/16 (LLV)
6'-0" < L ≤ 8'-0"	L5x3 1/2x5/16 (LLV)
8'-0" < L ≤ 10'-0"	L6x3 1/2x3/8 (LLV)

   *ALL ANGLES THAT ARE BACK-TO-BACK SHALL BE WELDED TOP AND BOTTOM 3" @ 12" OC MINIMUM.
4. MASONRY LINTELS IN NON-BEARING WALLS SHALL BE SIZED PER THE FOLLOWING:

SPAN, L	CMU OPTIONS	
	6" BLOCK	8" BLOCK
0' < L ≤ 4'-0"	8" DEEP W/ (1) #4 BOTT	8" DEEP W/ (1) #4 BOTT
4'-0" < L ≤ 6'-0"	8" DEEP W/ (1) #4 BOTT	8" DEEP W/ (1) #4 BOTT
6'-0" < L ≤ 8'-0"	16" DEEP W/ (1) #4 BOTT	16" DEEP W/ (1) #4 BOTT

5. ALL LINTELS SHALL HAVE A MINIMUM OF 8" END BEARING AND DO NOT REQUIRE BEARING PLATES, UNLESS OTHERWISE NOTED.
6. TEMPORARY SHORING OF MASONRY LINTELS MUST BE PROVIDED UNTIL MASONRY HAS REACHED 75% OF DESIGN STRENGTH.
7. ALL STEEL LINTELS IN EXTERIOR WALL CONSTRUCTION SHALL BE HOT-DIP GALVANIZED, UNLESS OTHERWISE NOTED.

STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "DETAILING FOR STEEL CONSTRUCTION" AND FABRICATED AND ERECTED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
2. STRUCTURAL STEEL SHALL CONFORM TO ASTM STANDARDS AS NOTED BELOW:

WIDE FLANGE SHAPES	ASTM A992	Fy = 50 KSI
OTHER ROLLED SHAPES	ASTM A36	Fy = 36 KSI
HSS SECTIONS, ROUND	ASTM A500, GR C	Fy = 46 KSI
HSS SECTION, SQ/RECT	ASTM A500, GR C	Fy = 50 KSI
ANCHOR RODS	ASTM F1554, GR 36	Fy = 36 KSI
HIGH STRENGTH BOLTS	ASTM F3125, GR A325	Fv = 120 KSI
HIGH STRENGTH TWIST-OFF BOLTS	ASTM F3125, GR F1852	Fv = 120 KSI
HEAVY HEX NUTS	ASTM A563	
WASHERS	ASTM F436	
HEADED STUD ANCHORS	ASTM A108, TYPE B	
ELECTRODES FOR ARC WELDING	AWS 5.1, E70XX	

3. HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". SEE DETAILS FOR BOLT SIZE AND MATERIAL ASTM DESIGNATION.
4. ALL BOLTED CONNECTIONS SHALL BE GRADE A325N BEARING TYPE BOLTS, UNLESS OTHERWISE NOTED. ALL BOLTS SHALL BE INSTALLED TO A MINIMUM "SNUG TIGHT" CONDITION, UNLESS OTHERWISE NOTED.
5. FULLY TENSIONED HIGH STRENGTH BOLTS AND SLIP CRITICAL HIGH STRENGTH BOLTS SHALL USE TENSION-CONTROL "TWIST-OFF" BOLTS OR BE INSTALLED USING THE TURN OF THE NUT METHOD.
6. WELD LENGTHS INDICATED ON THE DRAWINGS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE WELD LENGTH IS NOT SPECIFIED, PROVIDE WELD ALONG ENTIRE INTERSECTION OF THE JOINED PARTS. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM WELD SIZE AS SPECIFIED IN AISC 360, TABLE J2.4.
7. ALL WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED BY CERTIFIED WELDERS WITH EXPERIENCE AND CERTIFICATION IN THE TYPES OF WELDING CALLED FOR. WELDERS SHALL HAVE BEEN RECENTLY QUALIFIED AS PRESCRIBED IN "QUALIFICATION PROCEDURES" OF THE AMERICAN WELDING SOCIETY (AWS).
8. SPLICING OF STEEL MEMBERS WHERE NOT DETAILED ON THE DRAWINGS IS PROHIBITED WITHOUT THE PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION, TYPE OF SPLICE AND CONNECTION TO BE MADE.
9. ALL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 G60. ABRADED AREAS TO BE TOUCHED UP WITH COLD GALVANIZING COMPOUND IN ACCORDANCE WITH ASTM A780.
10. ALL GALVANIZED HOLLOW SECTIONS SHALL HAVE WELDED CAP PLATES TO SEAL EXPOSED ENDS.
11. CUTS, HOLES, OPENINGS, ETC., REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS. BURNING OF HOLES AND CUTS IN THE FIELD SHALL NOT BE ALLOWED, EXCEPT BY WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER.
12. FURNISH AND INSTALL MISCELLANEOUS STEEL (CURBS, HANGERS, EXPANSION JOINT ANGLES, STRUTS, ETC.) AS CALLED FOR OR AS NECESSARY PER ARCHITECTURAL AND MECHANICAL/ELECTRICAL DRAWINGS.
13. GROUT FOR BASE AND BEARING PLATES SHALL BE A NON-SHRINK, NON-METALLIC PRODUCT. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 7000 PSI. INSTALL GROUT PRIOR TO APPLYING SIGNIFICANT LOADING TO MEMBER.
14. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STRUCTURAL STEEL FOR ARCHITECT/STRUCTURAL ENGINEER'S REVIEW BEFORE FABRICATION.

WOOD

1. STRUCTURAL SHEATHING
   A. ALL PANELS TO BE PLYWOOD OF MINIMUM 5 PLY CONSTRUCTION. EACH PANEL SHALL BEAR THE QUALITY TRADEMARK STAMP OF THE AMERICAN PLYWOOD ASSOCIATION (APA).
   B. ROOFS:
      i. GRADE:
         a. 5/8", "C-D", GROUP 1, SPAN INDEX 40/20, EXPOSURE 1
      ii. PANEL EDGE SUPPORT SHALL BE EITHER TONGUE-AND-GROOVE EDGE, PANEL EDGE CLIP MIDWAY BETWEEN SUPPORTS, OR LUMBER BLOCKING (MIN 2x4 SIZE).
   C. MINIMUM NAILING REQUIREMENTS UNLESS OTHERWISE NOTED:
      i. ROOF:
         a. NAIL SIZE: USE 0.148" x 2 1/4" GUN NAIL
         b. SPACING:
            1) PANEL EDGES @ 6" OC (E.N.)
            2) INTERIOR BEARINGS @ 12" OC
      ii. SHEATHING FASTENERS SHALL BE DRIVEN FLUSH BUT SHALL NOT FRACTURE THE FACE PLY.
      iii. HOT-DIP GALVANIZED NAILS SHALL BE USED WHEN NAILING TO PRESSURE TREATED MEMBERS.
   D. PANEL LAYOUT:
      i. LONG DIMENSION OF PANEL TO BE PERPENDICULAR TO FRAMING MEMBERS, EXCEPT PANELS AT WALLS MAY BE INSTALLED WITH LONG DIMENSION PARALLEL TO STUDS UNLESS OTHERWISE NOTED.
      ii. END JOINTS IN ADJACENT RUNS SHALL BE STAGGERED 4 FEET.
      iii. MINIMUM PANEL WIDTH SHALL BE 12".
      iv. EDGES OF ALL PANELS LESS THAN 24" WIDE SHALL BE BACKED BY BLOCKING (MIN 2x4 SIZE).
   E. IF SHEATHING PANELS EXHIBIT SWELLING, NAIL HEAD PULL-THROUGH, SOFT SPOTS OR OTHER CONDITIONS WHEREBY REDUCING THE STRUCTURAL CAPACITY, REMOVE AND REPLACE.
2. LUMBER:
   A. COMPLY WITH ANSI/AWC NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION.
   B. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH, GRADED BY WESTERN WOOD PRODUCTS ASSOCIATION. NOTED ALLOWABLE STRESSES ARE MINIMUMS AND FOR NONREPETITIVE USES PRIOR TO ALLOWABLE STRESS INCREASES AND CONFORMING TO THE NDS AS FOLLOWS:
      2" TO 4" THICK - 6" AND WIDER   NO. 2 FB = 900 PSI, E = 1,600,000 PSI
   C. ALL LUMBER STRESSES SHOWN ABOVE ARE FOR VISUALLY STRESS-RATED LUMBER USED AT 19% MAXIMUM MOISTURE CONTENT WHEN BUILDING IS ENCLOSED, SINGLE MEMBER USE. ALL LUMBER SHALL BE GRADE MARKED.
   D. PROVIDE A MINIMUM OF 1 1/2" BEARING UNLESS OTHERWISE NOTED.
   E. NOTCHING OR DRILLING HOLES IN LUMBER FRAMING MEMBERS MUST BE AS APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
3. FASTENING:
   A. ALL NAILS SHALL BE COMMON WIRE NAILS. AT ALL EXPOSED NAILING TO WEATHER OR INSTALLED IN PRESSURE TREATED WOOD (E.G.-DECKING & SIDING), USE HOT-DIP GALVANIZED NAILS. USE OF PLASTIC COATED OR CASING NAILS IS NOT ALLOWED. NAIL DESIGNATIONS SHALL MEET THE FOLLOWING LENGTHS AND DIAMETERS:
      i. 6d - 2" x 0.113"
      ii. 8d - 2 1/2" x 0.131"
      iii. 10d - 3" x 0.148"
      iv. 12d - 3 1/4" x 0.148"
      v. 16d - 3 1/2" x 0.162"
      vi. 20d - 4" x 0.192"
   B. THE NAILING SCHEDULE AND STRUCTURAL DETAILS ARE BASED ON THE USAGE OF "COMMON" WIRE NAILS EXCEPT THAT 16d "SINKER" NAILS (3 1/4" x 0.148") MAY BE USED WHERE 16d IS SPECIFIED. IF GUN NAILS ARE USED, THE CONTRACTOR SHALL SUBMIT NAIL DATA FOR REVIEW PRIOR TO BEGINNING CONSTRUCTION.
   C. THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THE FOLLOWING SCHEDULE:

CONNECTION	FASTENING
WOOD MEMBER TO SILL OR TOP PLATE	(3) 8d TOENAILS
BRIDGING OR BLOCKING BETWEEN JOISTS OR TRUSSES NOT AT WALL TOP PLATE	(2) 8d TOENAILS, EACH END OR (2) 16d END NAILS
SILL PLATE TO JOIST, RIM JOIST OR BLOCKING	16d @ 16" OC, FACE NAIL
BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE	(3) 8d TOENAILS
RIM JOIST TO TOP PLATE OR FRAMING BELOW	8d @ 6" OC, TOENAIL
JOIST TO RIM JOIST	(3) 16d END NAILS
TOP PLATE LAPS AT CORNERS AND INTERSECTIONS	(2) 16d, FACE NAIL
BUILT-UP HEADER	16d @ 16" OC ALONG EACH EDGE
RAFTER OR ROOF TRUSS TO PLATE	(3) 10d TOENAILS

   D. USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION AND THE APPROVAL OF THE ARCHITECT/STRUCTURAL ENGINEER.
   E. CONTRACTOR TO AVOID SPLITTING WOOD MEMBERS DURING FASTENER INSTALLATION. NAIL HEADS SHOULD BE DRIVEN NO GREATER THAN 1/16 OF AN INCH BELOW WOOD SURFACE.
   F. ALL BOLTED WOOD CONNECTIONS SHALL BE MADE WITH A307 BOLTS CONFORMING TO THE REQUIREMENTS OF THE CURRENT VERSION OF ANSI/ASME UNLESS OTHERWISE NOTED. BOLT HOLES SHALL BE 1/32" TO 1/16" LARGER THAN THE BOLT. FORCIBLE DRIVING OF BOLTS IS NOT ALLOWED. RETIGHTEN ALL BOLTS BEFORE CONCEALING CONNECTION.
   G. USE STANDARD CUT WASHERS BETWEEN THE BOLTS HEADS, BOLT NUTS AND LAG SCREW HEADS AND WOOD FRAMING, UNLESS OTHERWISE NOTED.
   H. ALL WOOD CONNECTIONS MADE WITH LAG SCREWS SHALL BE MADE WITH SCREWS CONFORMING TO THE REQUIREMENTS OF THE CURRENT VERSION OF ANSI/ASME. LEAD HOLES FOR THE SHANK SHALL HAVE THE SAME DIAMETER AS THE SHANK AND THE SAME DEPTH AS THE LENGTH OF UNTHREADED SHANK. THE LEAD HOLE SHALL HAVE A DIAMETER EQUAL TO 60-75% OF THE SHANK DIAMETER.
4. GENERAL CONSTRUCTION REQUIREMENTS:
   A. METAL FRAMING CONNECTORS NOTED ON THE DRAWINGS USE SIMPSON STRONG-TIE AS BASIS OF DESIGN, UNLESS OTHERWISE NOTED. SUBSTITUTIONS OF ALTERNATE MANUFACTURERS WILL BE ACCEPTABLE AS LONG AS LOAD CAPACITIES ARE MET OR EXCEEDED AND ARE SUBSTANTIATED BY AN ICC REPORT.
   B. FRAMING PLANS INDICATE GENERAL LAYOUT AND DIMENSIONAL CONTROL ONLY. SEE SHOP DRAWINGS FOR ENGINEERING AND ERECTION.
   C. SOLID-SAWN LUMBER BEAMS, RAFTERS AND JOISTS SHALL HAVE LATERAL SUPPORT PREVENTING ROTATION OR DISPLACEMENT BASED UPON SPAN-TO-DEPTH RATIOS AS FOLLOWS:
      i. 2:1, NO LATERAL SUPPORT IS REQUIRED.
      ii. 3:1 OR 4:1, THE ENDS SHALL BE HELD IN POSITION BY FULL-DEPTH BLOCKING, BRIDGING, NAILING, OR BOLTING TO OTHER FRAMING MEMBERS.
      iii. 5:1, ONE EDGE SHALL BE HELD IN LINE FOR ITS ENTIRE LENGTH.
      iv. 6:1, FULL-DEPTH BLOCKING, BRIDGING, OR CROSS-BRACING SHALL BE INSTALLED AT INTERVALS NOT EXCEEDING 8 FEET UNLESS BOTH EDGES ARE HELD IN LINE.
   D. ALL LUMBER, UNLESS NOTED, SHALL BE MILL SIZED AND SURFACED ON FOUR SIDES AND SHALL BE STRAIGHT STOCK, FREE FROM WARP OR CUP, AND SINGLE LENGTH PIECES.
   E. ALL LUMBER AND PRODUCTS SHALL BE HANDLED AND STORED TO PREVENT MARRING AND MOISTURE ABSORPTION. NO DIRECT CONTACT WITH THE GROUND IS PERMITTED.
   F. PROTECTION AGAINST DECAY AND TERMITES:
      i. ALL LUMBER: WHEN IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE TREATED WOOD. BOTTOM OF SILLS AT EXTERIOR WALLS SHALL NOT BE LESS THAN 8" ABOVE OUTSIDE GRADE EXCEPT WHERE GRADE IS PAVED OVER FOR 18" MINIMUM WIDTH AND DRAINING AWAY FROM THE BUILDING. FOR THAT CONDITION, SILL MAY BE 2" ABOVE.
      ii. MOISTURE CONTENT: WHEN WOOD IS PRESSURE TREATED WITH A WATERBORNE PRESERVATIVE AND LOCATED IN ENCLOSED SPACES WHERE DRYING IN SERVICE CANNOT READILY OCCUR, SUCH WOOD SHALL BE AT A MOISTURE CONTENT OF 19% OR LESS BEFORE BEING COVERED.
      iii. USE AWPA UC4 AT ALL WOOD IN CONTACT WITH SOIL.
   G. NOTCHES AND BORED HOLE PENETRATIONS IN WOOD STUD WALLS SHALL CONFORM TO SECTION 2308 OF THE IBC AND TYPICAL DETAIL, WHICHEVER IS MORE RESTRICTIVE.
   H. ALL APPLICABLE FRAMING STANDARDS OR GRADING RULES SPECIFIED SHALL BE IDENTIFIED BY THE GRADE MARK OR A CERTIFICATE OF INSPECTION BY AN APPROVED AGENCY. ALL LUMBER AND PLYWOOD REQUIRED TO BE TREATED WOOD SHALL BE IDENTIFIED BY THE QUALITY MARK OF AN APPROVED INSPECTION AGENCY WHICH MAINTAINS CONTINUED SUPERVISION, TESTING, AND INSPECTION OVER THE QUALITY OF THE PRODUCT.

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NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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SIGNATURE__________
DATE__________

REVISIONS

NO.	DESCRIPTION	DATE

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CHECKED BY	TODBAR

GENERAL NOTES

S-000
BIDDING

TESTING, INSPECTIONS, AND OBSERVATIONS

1. THE STRUCTURAL ENGINEER DOES NOT PROVIDE INSPECTIONS OF CONSTRUCTION. STRUCTURAL ENGINEER MAY MAKE PERIODIC OBSERVATIONS OF THE CONSTRUCTION. SUCH OBSERVATIONS SHALL NOT REPLACE REQUIRED INSPECTIONS BY THE GOVERNING AUTHORITIES OR SERVE AS "SPECIAL INSPECTIONS" AS MAY BE REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.
2. SEE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS OR SPECIFICATIONS FOR TESTING AND INSPECTION REQUIREMENTS OF NON-STRUCTURAL COMPONENTS.
3. DUTIES OF THE INSPECTION AGENCY PER IBC CHAPTER 17:
   a. SUBMIT A PROPOSED TESTING AND INSPECTION PROGRAM TO THE OWNER, THE ARCHITECT AND THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL AT LEAST TWO WEEKS PRIOR TO COMMENCEMENT OF WORK.
   b. PERFORM ALL TESTING AND INSPECTION REQUIRED PER APPROVED TESTING AND INSPECTION PROGRAM.
   c. FURNISH INSPECTION REPORT TO THE BUILDING OFFICIAL, THE OWNER, THE ARCHITECT, STRUCTURAL ENGINEER AND THE CONSTRUCTION MANAGER. THE REPORTS SHALL BE COMPLETED AND FURNISHED WITHIN 48 HOURS OF INSPECTED WORK.
   d. SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTION AGENCY'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
4. THE FOLLOWING WORK SHALL BE INSPECTED BY THE INSPECTOR UNLESS SPECIFICALLY WAIVED BY THE BUILDING OFFICIAL.

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
CONCRETE CONSTRUCTION				
1. INSPECT REINFORCEMENT, AND VERIFY PLACEMENT		X	ACI 318: CH 20, 25.2, 25.3, 26.2.1-26.6.3	1908.4
2. MATERIAL IDENTIFICATION OF REINFORCING (TYPE/GRADE)		X	AISC 341: TABLE J9.1	
3. REINFORCING STEEL HAS NOT BEEN REBENT IN THE FIELD		X	AISC 341: TABLE J9.1	
4. REINFORCING STEEL HAS BEEN TIED AND SUPPORTED AS REQUIRED		X	AISC 341: TABLE J9.1	
5. REINFORCING STEEL CLEARANCES HAVE BEEN PROVIDED		X	AISC 341: TABLE J9.1	
6. COMPOSITE STEEL MEMBERS HAVE REQUIRED SIZE		X	AISC 341: TABLE J9.1	
7. REINFORCING BAR WELDING:				
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706		X	AWS D1.4	
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND		X	ACI 318: 26.6.4	
c. INSPECTS ALL OTHER WELDS	X			
8. INSPECT ANCHORS CAST IN CONCRETE		X	ACI 318: 17.8.2	
9. VERIFY USE OF REQUIRED DESIGN MIX		X	ACI 318: CH 19, 26.4.2, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
10. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X		ASTM C172, ASTM C31, ACI 318: 26.5, 26.12	1907.10
11. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X		ACI 318: 26.5	1908.6, 1908.7, 1908.8
12. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X	ACI 318: 26.5.3-26.5.5	1908.9
13. INSPECT PRESTRESSED CONCRETE FOR:				
a. APPLICATION OF PRESTRESSING FORCES; AND	X		ACI 318: 26.11.2	
b. GROUTING OF BONDED PRESTRESSING TENDONS	X			
14. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		X	ACI 318: 26.11.2(b)	

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	TMS 402	TMS 602
MASONRY CONSTRUCTION - LEVEL 2				
1. PRIOR TO CONSTRUCTION:				
a. VERIFICATION OF COMPLIANCE OF SUBMITTALS		X		ART. 1.5
b. VERIFICATION OF f'm		X		ART. 1.4 B
2. AS CONSTRUCTION BEGINS, VERIFY THE FOLLOWING ARE IN COMPLIANCE:				
a. PROPORTIONS OF SITE-PREPARED MORTAR		X		ART. 2.1, 2.6 A & 2.6 C
b. GRADE AND SIZE OF ANCHORAGES		X		ART. 2.4 B & 2.4 H
c. GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND ANCHORAGES		X		ART. 3.4 & 3.6 A
d. SAMPLE PANEL CONSTRUCTION		X		ART. 1.6 D
3. PRIOR TO GROUTING, VERIFY THE FOLLOWING ARE IN COMPLIANCE:				
a. GROUT SPACE		X		ART. 3.2 D & 3.2 F
b. PLACEMENT OF ANCHORAGES		X	SEC. 10.8 & 10.9	ART. 2.4 & 3.6
c. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS		X	SEC. 6.1, 6.3.1, 6.3.6 & 6.3.7	ART. 3.2 E & 3.4
d. PROPORTIONS OF SITE-PREPARED GROUT		X		ART. 2.6 B & 2.4 G.1.b
4. DURING CONSTRUCTION:				
a. VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE		X		ART. 1.5 & 1.6.3
b. MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS		X		ART. 1.5
c. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION		X		ART. 3.3 B
d. SIZE AND LOCATION OF STRUCTURAL MEMBERS		X		ART. 3.3 F
e. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION		X	SEC. 1.2.1(e), 6.2.1 & 6.3.1	
f. WELDING OF REINFORCEMENT	X		SEC. 6.1.6.1.2	
g. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F)		X		ART. 1.8 C & 1.8 D
5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS		X		ART. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3 & 1.4 B.4

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE
STRUCTURAL STEEL - FABRICATION			
1. FABRICATION FACILITY			X
2. CONNECTION ERECTION AND ASSEMBLY	X	X	
3. SINGLE PASS FILLET WELDS 5/16" OR LESS	X	X	X
4. ALL OTHER WELDS INCLUDING COMPLETE AND PARTIAL PENETRATION WELDS	X	X	X
5. SHEAR STUD PLACEMENT	X	X	

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE	AWS D1.1 CLAUSES
STRUCTURAL STEEL PRIOR TO BOLTING - MINIMUM INSPECTION				
1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	P	TABLE C-N5.6-1	2.1, 9.1
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O	TABLE C-N5.6-1	6.5.1
3. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM THE SHEAR PLANE)	O	O	TABLE C-N5.6-1	2.3.2, 2.7.2, 9.1
4. CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	O	TABLE C-N5.6-1	4, 8
5. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	O	TABLE C-N5.6-1	TABLE 6.1(2)
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P[1]	O[1]	TABLE C-N5.6-1	3, 9.1, 9.3
7. PROTECTION STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	O	O	TABLE C-N5.6-1	2.2, 8, 9.1

1 DOCUMENT - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE REPORTS NEED NOT PROVIDE DETAILED MEASUREMENTS FOR JOINT FIT-UPS, WPS SETTINGS, COMPLETED WELDS, OR OTHER INDIVIDUAL ITEMS LISTED IN THE TABLES. FOR SHOP FABRICATION, THE REPORT SHALL INDICATE THE PIECE MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL INDICATE THE REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WHETHER THE NONCOMPLIANCE HAS BEEN SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION.

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE	AWS D1.1 CLAUSES
STRUCTURAL STEEL AFTER BOLTING - MINIMUM INSPECTION				
1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	P	TABLE C-N5.6-3	N/A

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE	AWS D1.1 CLAUSES
STRUCTURAL STEEL PRIOR TO WELDING - MINIMUM INSPECTION				
1. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	P	P	TABLE C-N5.4-1	6.3
2. MANUFACTURER CERTIFICATES FOR WELDING CONSUMABLES AVAILABLE	P	P	TABLE C-N5.4-1	6.2
3. MATERIAL IDENTIFICATION	O	O	TABLE C-N5.4-1	6.2
4. WELDER IDENTIFICATION	O	O	TABLE C-N5.4-1	6.4 (WELDER QUALIFICATION)
5. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)	O	O	TABLE C-N5.4-1	
a. JOINT PREPARATION	O	O	TABLE C-N5.4-1	6.5.2
b. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	O	O	TABLE C-N5.4-1	5.22
c. CLEANLINESS (CONDITION OF STEEL SURFACE)	O	O	TABLE C-N5.4-1	5.14
d. TACKING (TACK WELD QUALITY AND LOCATION)	O	O	TABLE C-N5.4-1	5.17
e. BACKING TYPE AND FIT (IF APPLICABLE)	O	O	TABLE C-N5.4-1	5.9, 5.21.1.1
6. FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- & K--JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY)	P/O[1]	O	TABLE C-N5.4-1	9.11.2
a. JOINT PREPARATION	P/O[1]	O	TABLE C-N5.4-1	9.11.2
b. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	P/O[1]	O	TABLE C-N5.4-1	9.11.2
c. CLEANLINESS (CONDITION OF STEEL SURFACE)	P/O[1]	O	TABLE C-N5.4-1	9.11.2
d. TACKING (TACK WELD QUALITY AND LOCATION)	P/O[1]	O	TABLE C-N5.4-1	9.11.2
7. CONFIGURATION AND FINISH OF ACCESS HOLES	O		TABLE C-N5.4-1	6.5.2, 5.16 (& SEE AISC 360 SECT. J1.6)
8. FIT-UP OF FILLET WELDS	P/O[1]	O	TABLE C-N5.4-1	
a. DIMENSIONS (ALIGNMENT, GAPS AT ROOT)	P/O[1]	O	TABLE C-N5.4-1	5.21.1
b. CLEANLINESS (CONDITION OF STEEL SURFACES)	P/O[1]	O	TABLE C-N5.4-1	5.14
c. TACKING (TACK WELD QUALITY AND LOCATION)	P/O[1]	O	TABLE C-N5.4-1	5.17
9. CHECK WELDING EQUIPMENT	O	O	TABLE C-N5.4-1	6.2, 5.10

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE	AWS D1.1 CLAUSES
STRUCTURAL STEEL DURING WELDING - MINIMUM INSPECTION				
1. USE OF QUALIFIED WELDERS	O	O	TABLE C-N5.4-2	6.4
2. CONTROL AND HANDLING OF WELDING CONSUMABLES	O	O	TABLE C-N5.4-2	6.2
a. PACKAGING	O	O	TABLE C-N5.4-2	5.3.1
b. EXPOSURE CONTROL	O	O	TABLE C-N5.4-2	5.3.2 (FOR SMAW), 5.3.3 (FOR SAW)
3. ENVIRONMENT CONDITIONS	O	O	TABLE C-N5.4-2	
a. WIND SPEED WITHIN LIMITS	O	O	TABLE C-N5.4-2	5.11.1
b. PRECIPITATION AND TEMPERATURE	O	O	TABLE C-N5.4-2	5.11.2
4. WPS FOLLOWED	O	O	TABLE C-N5.4-2	6.3.3, 6.5.2, 5.5, 5.20
a. SETTINGS ON WELDING EQUIPMENT	O	O	TABLE C-N5.4-2	
b. TRAVEL SPEED	O	O	TABLE C-N5.4-2	
c. SELECTED WELDING MATERIALS	O	O	TABLE C-N5.4-2	
d. SHIELDING GAS TYPE/FLOW RATE	O	O	TABLE C-N5.4-2	
e. PREHEAT APPLIED	O	O	TABLE C-N5.4-2	5.6, 5.7
f. INTERPASS TEMPERATURE MAINTAINED (MIN/MAX)	O	O	TABLE C-N5.4-2	
g. PROPER POSITION (F, V, H, OH)	O	O	TABLE C-N5.4-2	
h. INTERMIX OF FILLER METALS AVOIDED UNLESS APPROVED	O	O	TABLE C-N5.4-2	
5. WELDING TECHNIQUES	O	O	TABLE C-N5.4-2	6.5.2, 6.5.3, 5.23
a. INTERPASS AND FINAL CLEANING	O	O	TABLE C-N5.4-2	5.29.1
b. EACH PASS WITHIN PROFILE LIMITATIONS	O	O	TABLE C-N5.4-2	
c. EACH PASS MEETS QUALITY REQUIREMENTS	O	O	TABLE C-N5.4-2	

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE	AWS D1.1 CLAUSES
STRUCTURAL STEEL AFTER WELDING - MINIMUM INSPECTION				
1. WELDS CLEANED	O	O	TABLE C-N5.4-3	5.29.1
2. SIZE, LENGTH AND LOCATION OF WELDS	P	P	TABLE C-N5.4-3	6.5.1
3. WELDS MEET VISUAL ACCEPTANCE CRITERIA	P[2]	P[2]	TABLE C-N5.4-3	6.5.3
a. CRACK PROHIBITION	P[2]	P[2]	TABLE C-N5.4-3	TABLE 6.1(1)
b. WELD/BASE-METAL FUSION	P[2]	P[2]	TABLE C-N5.4-3	TABLE 6.1(2)
c. CRATER CROSS-SECTION	P[2]	P[2]	TABLE C-N5.4-3	TABLE 6.1(3)
d. WELD PROFILES	P[2]	P[2]	TABLE C-N5.4-3	TABLE 6.1(4), 5.24
e. WELD SIZE	P[2]	P[2]	TABLE C-N5.4-3	TABLE 6.1(6)
f. UNDERCUT	P[2]	P[2]	TABLE C-N5.4-3	TABLE 6.1(7)
g. POROSITY	P[2]	P[2]	TABLE C-N5.4-3	TABLE 6.1(8)
4. ARC STRIKES	P	P	TABLE C-N5.4-3	5.28
5. K-AREA[3]	P[2]	P[2]	TABLE C-N5.4-3	N/A
6. WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES	P	P	TABLE C-N5.4-3	5.16, 6.5.2 (& SEE AISC 360 SECT. J1.6)
7. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P[2]	P[2]	TABLE C-N5.4-3	5.9, 5.30
8. REPAIR ACTIVITIES	P	P[2]	TABLE C-N5.4-3	6.5.3, 5.25
9. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P	TABLE C-N5.4-3	6.5.4, 6.5.5
10. PLACEMENT OF REINFORCING OR CONTOURING FILLET WELDS (IF REQUIRED)	P[2]	P[2]	TABLE C-N5.4-3	6.5.4, 6.5.5

1 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 THE SKILLS 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 THE INCONSISTENT PERFORMANCE OF THIS TASK, THE TASK SHALL BE RETURNED TO PERFORM UNTIL SUCH TIME AS THE INSPECTOR HAS RE-ESTABLISHED ADEQUATE ASSURANCE THE WELDER WILL PERFORM THE INSPECTION TASKS LISTED.

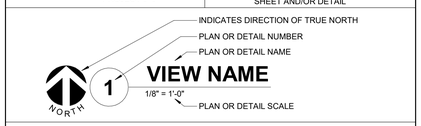
2 DOCUMENT - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE REPORT NEED NOT PROVIDE DETAILED MEASUREMENTS FOR JOINT FIT-UPS, WPS SETTINGS, COMPLETED WELDS, OR OTHER INDIVIDUAL ITEMS LISTED IN THE TABLES. FOR SHOP FABRICATION, THE REPORT SHALL INDICATE THE PIECE MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL INDICATE THE REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WHETHER THE NONCOMPLIANCE HAS BEEN SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION.

3 WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD. THE VISUAL INSPECTION SHALL BE PERFORMED NO SOONER THAN 48 HOURS FOLLOWING COMPLETION OF THE WELDING.

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
WOOD FRAMING				
1. PREFABRICATED WOOD STRUCTURAL ELEMENTS		X		1704.2.5
a. METAL-PLATE-CONNECTED WOOD TRUSSES SPANNING 60 FEET OR GREATER:				
i. TEMPORARY AND PERMANENT INSTALLATION RESTRAINT/BRACING		X		1705.5.3
2. HIGH-LOAD DIAPHRAGMS:				
a. SHEATHING GRADE AND THICKNESS		X		1705.5.1
b. MEMBER SIZES AT ADJOINING PANEL EDGES		X		1705.5.1
c. DIAPHRAGM NAILING		X		1705.5.1
3. LATERAL FORCE RESISTING SYSTEM (SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLDOWNS, WHERE FASTENER SPACING AT PANEL EDGES IS 4" OR LESS):				
a. GLUING OF ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM	X			1705.12.1, 1705.13.2
b. NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM		X		1705.12.1, 1705.13.2

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
SOILS				
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X		
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X		
3. PERFORM CLASSIFICATIONS AND TESTING OF COMPACTED FILL MATERIAL		X		
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X			
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X		

VIEW KEY

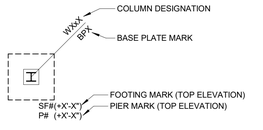


LINE TYPE KEY:

- NEW WORK (DARK SOLID LINE/LINE WEIGHT WILL VARY)
- NEW WORK BELOW OR BEYOND VIEW (DARK DASH LINE)
- EXISTING TO BE REMOVED (DARK DASH LINE)
- EXISTING WORK TO REMAIN (HALFTONED SOLID LINE/LINE WEIGHT WILL VARY)
- NON STRUCTURAL (HALFTONED LIGHT SOLID LINE)
- GRID OR CENTERLINE

MATERIAL LEGEND:

- CONCRETE - CAST-IN-PLACE
- CONCRETE - EXISTING
- EARTH
- GRAVEL OR GRANULAR FILL
- GROUT OR DRYPACK OR SAND
- MASONRY
- METAL / COLD-FORM STUD
- PRECAST CONCRETE
- STEEL



STRUCTURAL SYMBOL LIST

GENERAL SYMBOLS:

SYMBOL	DESCRIPTION	DETAIL REFERENCE
(+16'-3")	TOP OF STRUCTURAL FRAMING ABOVE ELEVATION (+0'-0")	N/A
(-2'-0")	TOP OF STRUCTURAL FOUNDATION BELOW ELEVATION (+0'-0")	N/A

FOUNDATION SYMBOLS:

SYMBOL	DESCRIPTION	DETAIL REFERENCE
	STEP IN FOOTING	6/S-300
	UTILITY OPENING IN FOUNDATION	5/S-300 AND 12/S-300

STEEL SYMBOLS:

SYMBOL	DESCRIPTION	DETAIL REFERENCE
	STEEL DECK (DIRECTION)	N/A

STRUCTURAL ABBREVIATION KEY

ABBR:	DESCRIPTION:
#	NUMBER OR POUNDS
@	AT
°	DEGREE
ø	DIAMETER
(E)	EXISTING
A.B.	ANCHOR BOLT
ARCH	ARCHITECT, -URE, -URAL
B.O.	BOTTOM OF
b/	BEAM FLANGE WIDTH
BF	BRACE FRAME
BM	BEAM
B.N.	BOUNDARY NAILING
BOTT	BOTTOM
BTWN	BETWEEN
CFSF	COLD FORM STEEL FRAMING
CGS	CENTER OF GRAVITY OF THE TENDON
CJP	COMPLETE JOINT PENETRATION WELD
CLR	CLEAR
CL	CENTERLINE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATION
DIA	DIAMETER
DL	DEAD LOAD
DET	DETAIL
DWG	DRAWING
DWL	DOWEL
EA	EACH
EF	EACH FACE
EFF	EFFECTIVE
EL	ELEVATION
ELEC	ELECTRICAL
EMBED	EMBEDMENT
E.N.	EDGE NAILING
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
ETC	ETCETERA
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
f'c	CONCRETE COMPRESSIVE STRENGTH
FDN	FOUNDATION
F.N.	FIELD NAILING
FT	FOOT
FTG	FOOTING
Fy	YIELD STRESS
GA	GAGE OR GAUGE
GALV	GALVANIZED
GLB	GLULAM BEAM
GT	GIRDER TRUSS
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHOR
HSB	HIGH STRENGTH BOLT
JT	JOINT
K, KIP	KILOPOUND (1,000 POUNDS)
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	LENGTH
LBS	POUNDS
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG.	LONGITUDINAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LT WT	LIGHTWEIGHT
MAX	MAXIMUM
MECH	MECHANICAL
MANUF	MANUFACTURER
MIN	MINIMUM
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OH	OPPOSITE HAND
OPNG	OPENING
OSB	ORIENTED STRAND BOARD
PCF	POUNDS PER CUBIC FOOT
P.H.	PENTHOUSE
PJP	PARTIAL JOINT PENETRATION WELD
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSION, -ED, -ING
R	RADIUS
REINF	REINFORCING, -MENT, -ED
REQD	REQUIRED
RTU	ROOF TOP UNIT
SC	SLIP CRITICAL
SCHED	SCHEDULE
SFRS	SEISMIC FORCE-RESISTING SYSTEM
SIM.	SIMILAR
SL	SNOW LOAD
S.M.S.	SHEET METAL SCREW
SP	SPACE(S)
SPECS	SPECIFICATION(S)
SQ	SQUARE
STIFF	STIFFENER
STL	STEEL
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
T.O.	TOP OF
TC	PRE-TENSIONED BOLT
TEMP	TEMPERATURE
tf	BEAM FLANGE THICKNESS
THK	THICK
TRANS	TRANSVERSE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
WP	WORK POINT
WT	WEIGHT
WWR	WELDED WIRE REINFORCING

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NORTH SCOTT COMMUNITY SCHOOL DISTRICT

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REVISIONS

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CHECKED BY	TODBAR

GENERAL NOTES

S-002
BIDDING

CMU WALL REINFORCING SCHEDULE

MARK (MW#)	WALL THICKNESS	VERTICAL BAR SIZE AND SPACING	REMARKS
MW1	8"	#5 @ 48" OC	-

NOTES:

1. TYP HORIZ REINF PER SPECIFICATIONS AND IS INTENDED TO BE A 'DUROWALL - TRUSS TYPE' OR EQUIVALENT.
2. REINFORCE NON-BEARING MASONRY WALLS WITH #4 @ 120" OC PER INTERNATIONAL MASONRY INSTITUTE RECOMMENDATIONS.
3. REINFORCED CORES ARE ALWAYS GROUTED.
4. SEE S-400 FOR TYP CMU DETAILING.

FOUNDATION WALL REINFORCING SCHEDULE

WALL THICKNESS	HORIZONTAL		VERTICAL		REMARKS
	EXTERIOR FACE	INTERIOR FACE	EXTERIOR FACE	INTERIOR FACE	
FROST WALLS:					
8"	#5 @ 12" OC	-	#5 @ 12" OC	-	SEE NOTE 1
1'-4"	#5 @ 12" OC	#5 @ 12" OC	#5 @ 12" OC	#5 @ 12" OC	-

NOTE:

1. CENTERED IN WALL THICKNESS.

CONTINUOUS FOOTING SCHEDULE

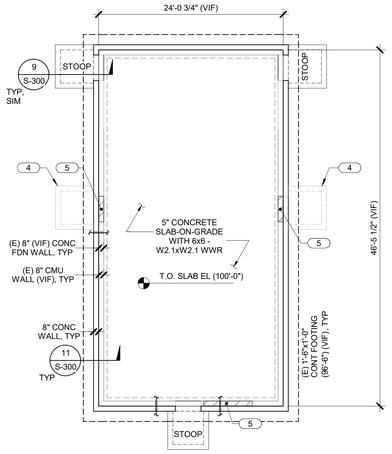
MARK	WIDTH	THICKNESS	REINFORCING	
			LONG DIRECTION	SHORT DIRECTION
CF2.0	2'-0"	1'-0"	(2) #5	#5 @ 12" OC

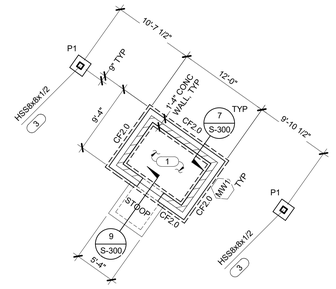
NOTES:

1. SEE S-300 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
2. TOP OF FOUNDATION WALL EL (100'-0"), UON. SEE THIS SHEET FOR SCHEDULES.
3. TOP OF EXTERIOR FOOTING EL (96'-6"), UON. SEE THIS SHEET FOR SCHEDULES.
4. GEOTECHNICAL REPORT INDICATES EXISTING FILL IS ACCEPTABLE FOR BEARING. IF UNSUITABLE SOILS ARE ENCOUNTERED, REMOVE SOILS PER 10/S-300.
5. TOP OF INTERIOR FOOTING EL (98'-6"), UON. SEE THIS SHEET FOR SCHEDULES.
6. PROVIDE 2'-0" x 2'-0" CORNER BARS FOR FOOTING AND WALL INTERSECTIONS. BAR SIZE AND QUANTITY TO MATCH LONGITUDINAL AND HORIZONTAL BARS.
7. PROVIDE THICKENED SLAB UNDER ALL NON-STRUCTURAL CMU WALLS. SEE 4/S-300 FOR DETAIL AND ARCHITECTURAL PLANS FOR EXTENT AND LOCATIONS.
8. FOR PIPING AND CONDUIT THROUGH FOUNDATIONS, SEE 5 AND 14/S-300. CONFIRM AND COORDINATE LOCATIONS WITH MECHANICAL DRAWINGS.
9. SEE THIS SHEET FOR CMU WALL SCHEDULE.
10. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT GIVEN HERE.

KEYNOTES:

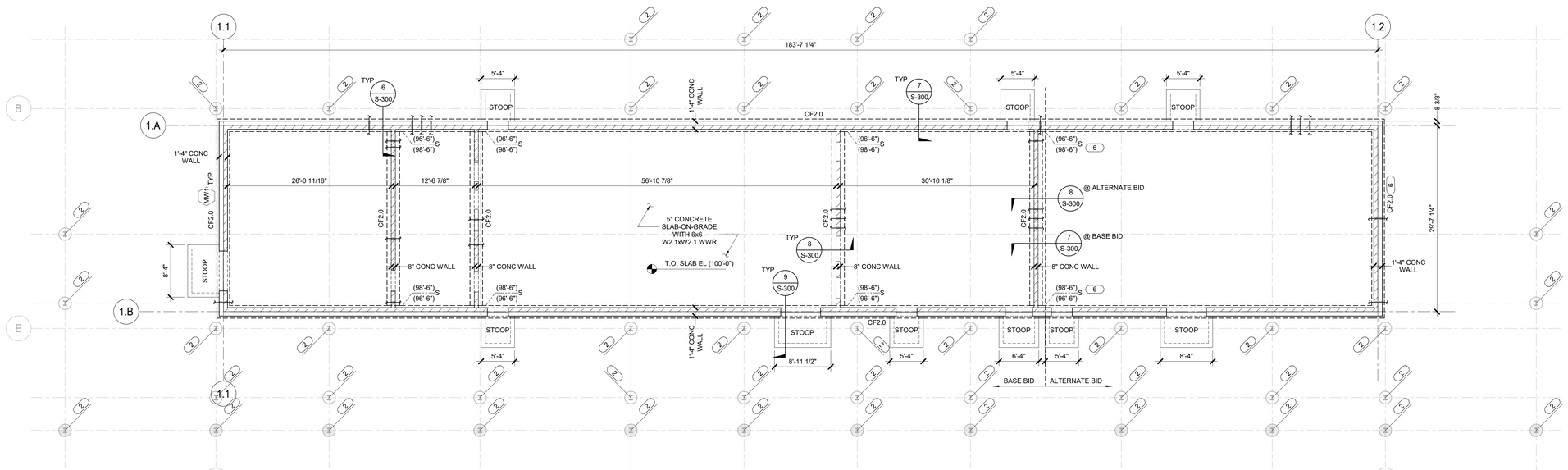
1. 5" CONCRETE SLAB ON GRADE WITH 6x6 - W2.1xW2.1 WWR. T.O. SLAB EL (100'-0").
2. COLUMN AND FOUNDATION FOR BLEACHERS BY OTHERS. CONTRACTOR TO COORDINATE BLEACHER FOUNDATION AND CONCESSIONS FOUNDATION PRIOR CONSTRUCTION.
3. COLUMNS FOR ENTRANCE SIGNAGE. SEE 13/S-300 FOR PIER AND BASE PLATE INFORMATION.
4. (E) STOOP. DEMO TOP TWO FEET OF (E) CONCRETE STOOP FOR NEW PAVEMENT.
5. MASONRY INFILL AT (E) CMU WALL. SEE 9/S-400 FOR MORE INFORMATION.
6. CONCESSIONS AND LOCKER ROOM SHOWN ON PLAN UNDER ALTERNATE BID.
   BASE BID: IN LIEU OF AWAY LOCKER ROOM 110 AND ASSOCIATED ACCESSORY SPACES, PROVIDE EXTERIOR WALL CONSTRUCTION AT EAST CMU WALL. TOP OF EAST FOOTING EL (96'-6"). PROVIDE EXTERIOR FOUNDATION PER 7/S-300.
   ALTERNATE BID: FOOTING STEP PER 6/S-300 FROM EXTERIOR FOOTING ELEVATION TO INTERIOR FOOTING ELEVATION.





2 FOUNDATION PLAN - TICKET BOOTH AND (E) BUILDING

1/8" = 1'-0"



1 FOUNDATION PLAN - CONCESSIONS AND LOCKER ROOM - ALTERNATE BID

1/8" = 1'-0"

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SIGNATURE

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CHECKED BY	TODBAR

FOUNDATION PLAN

S-100
BIDDING

LINTEL SCHEDULE

MARK	MEMBER SIZE	REFERENCE DETAIL	REMARKS
L1	8" DEEP BOND BEAM WITH (2) #5	4/S-400	-
L2	16" DEEP BOND BEAM WITH (2) #5	4/S-400	-
L3	(2) L3 1/2x3 1/2x5/16	10/S-400	-
ML1	8" DEEP BOND BEAM WITH (2) #5	4/S-400	COORD WITH MEP DRAWINGS
ML2	16" DEEP BOND BEAM WITH (2) #5	4/S-400	COORD WITH MEP DRAWINGS
ML3	(2) L3 1/2x3 1/2x5/16	10/S-400	COORD WITH MEP DRAWINGS

NOTE:

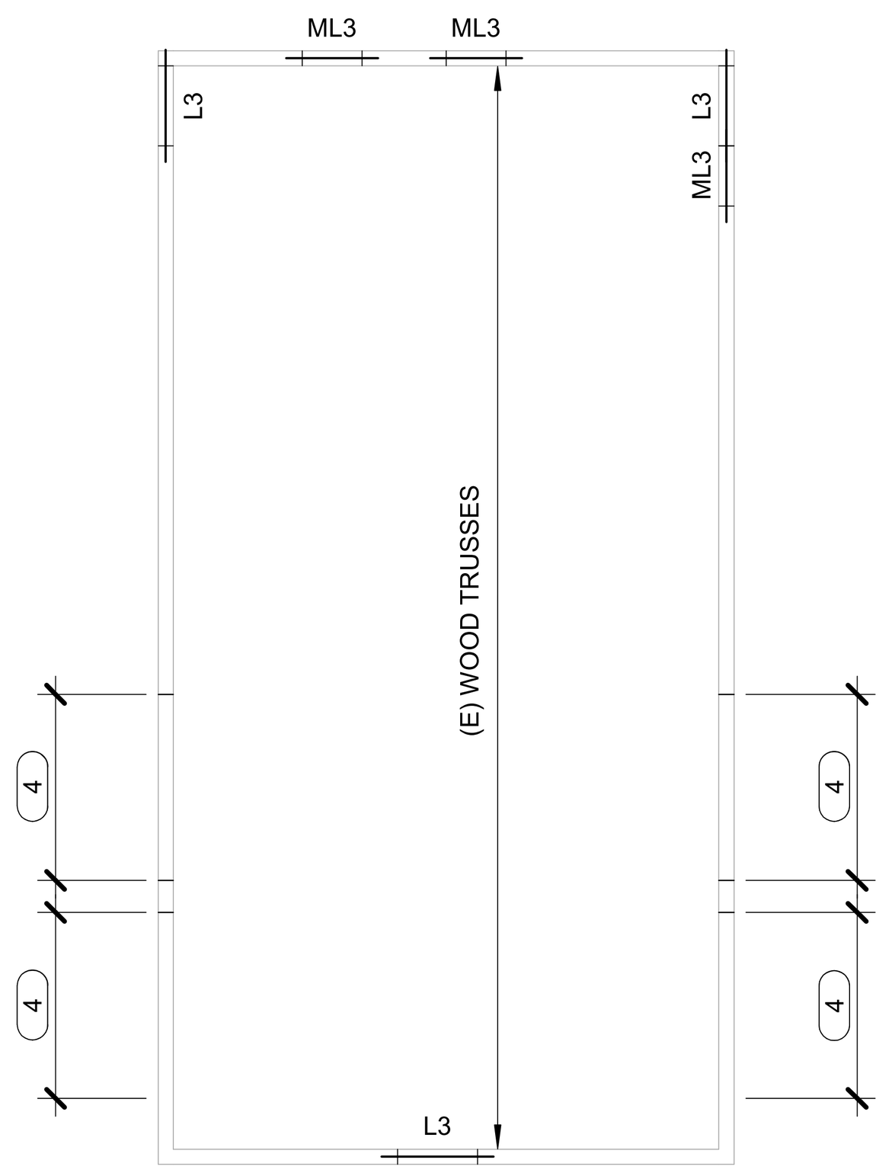
1. BEARING LENGTH EACH END = 8" UON.

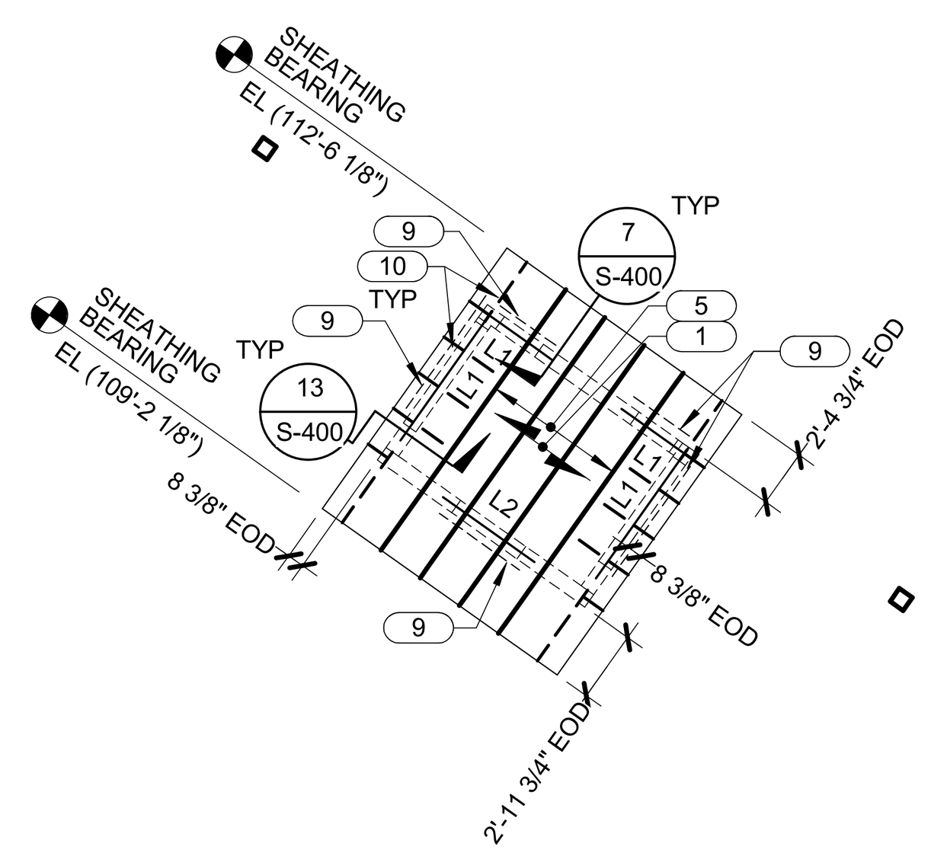
NOTES:

1. SEE S-100 FOR CMU WALL SCHEDULE.
2. SEE PLAN FOR DECK BEARING ELEVATIONS.
3. TOP OF CMU WALL EL (109'-4"). SEE 5/S-400 FOR TOP OF WALL ELEVATION AT EAST AND WEST EXTERIOR CMU WALL.
4. SEE THIS SHEET FOR LINTELS IN STRUCTURAL CMU WALLS AND S-000 FOR NON-STRUCTURAL WALLS.
5. SEE ARCHITECTURAL AND FOUNDATION DRAWINGS FOR DIMENSIONS NOT GIVEN HERE.

KEYNOTES:

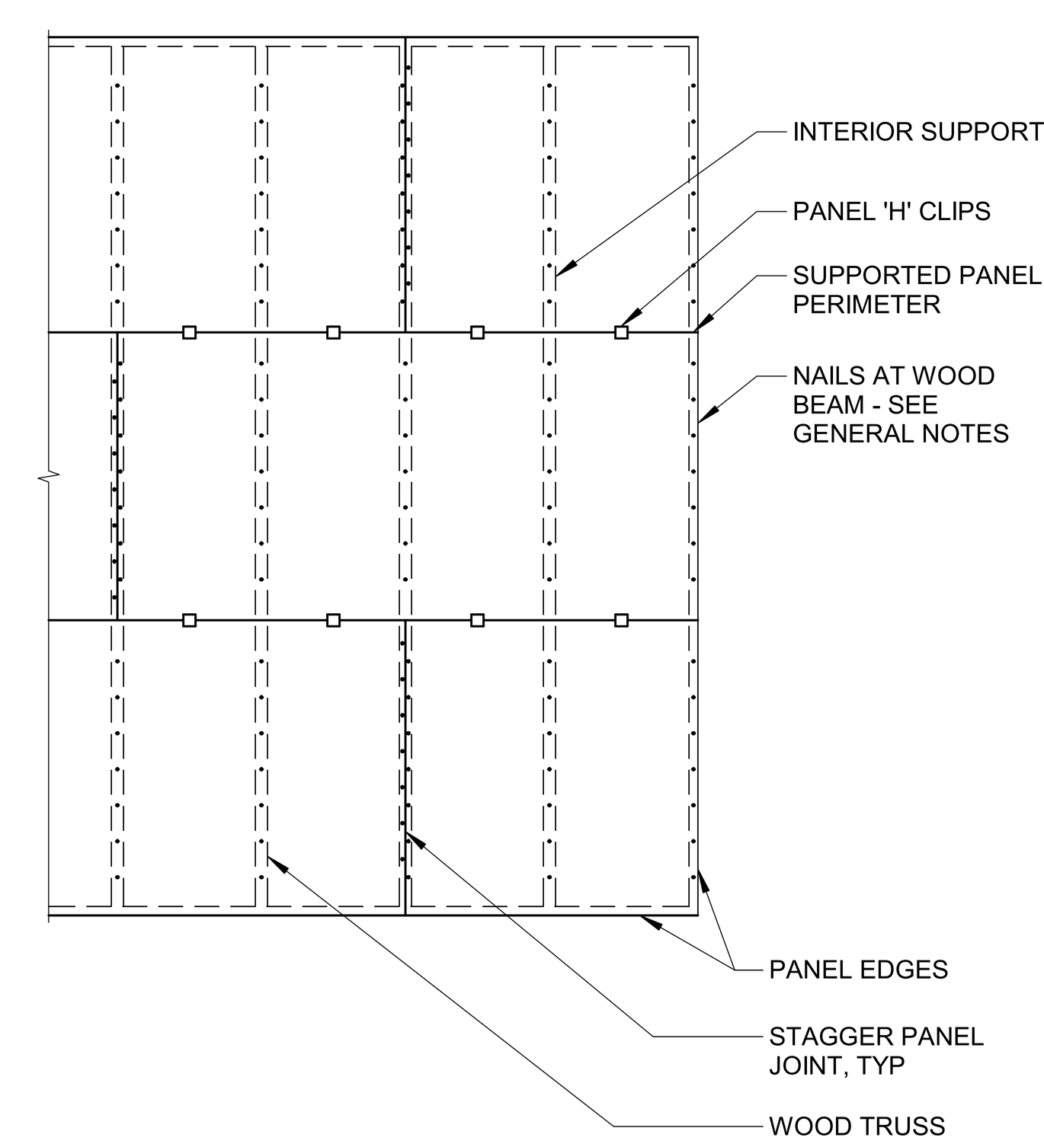
1. ROOF SHEATHING = 5/8" PLYWOOD SHEATHING - SEE GENERAL NOTES FOR FASTENING AND STRENGTH REQUIREMENTS. SEE 3/S-200 FOR TYPICAL DETAIL.
2. WOOD TRUSSES @ 2'-0" OC MAX. SUPPLIER RESPONSIBLE FOR TEMPORARY AND PERMANENT BRACING. SEE 4/S-200 FOR ROOF TRUSS DIAGRAM.
3. 2x6 OUTRIGGERS @ 2'-0" OC.
4. MASONRY INFILL AT (E) CMU WALL. SEE 9/S-400 FOR MORE INFORMATION.
5. 2x10 PRESSURED TREATED WOOD BEAMS AT 2'-0" OC.
6. MECHANICAL EQUIPMENT SUPPORTED BY TRUSSES (150 LBS). COORDINATE LOCATION AND WEIGHT OF FINAL UNITS WITH MECHANICAL DRAWINGS.
7. MECHANICAL EQUIPMENT SUPPORTED BY TRUSSES (60 LBS). COORDINATE LOCATION AND WEIGHT OF FINAL UNITS WITH MECHANICAL DRAWINGS.
8. PORTION OF BUILDING UNDER ALTERNATE BID.
9. PROVIDE L4x3 1/2x1/4 LOOSE LINTEL FOR BRICK RELIEF.
10. 2x10 OUTRIGGERS @ 2'-0" OC.





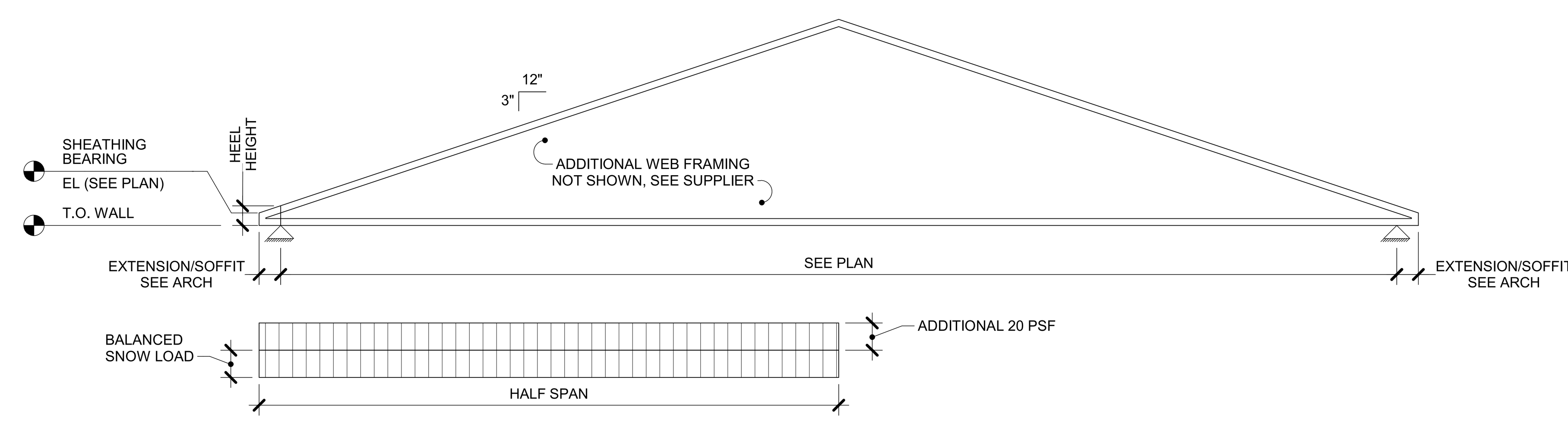
2 FOUNDATION PLAN - TICKET BOOTH AND (E) BUILDING

1/8" = 1'-0"



3 ROOF SHEATHING LAYOUT AND FASTENING

3/8" = 1'-0"

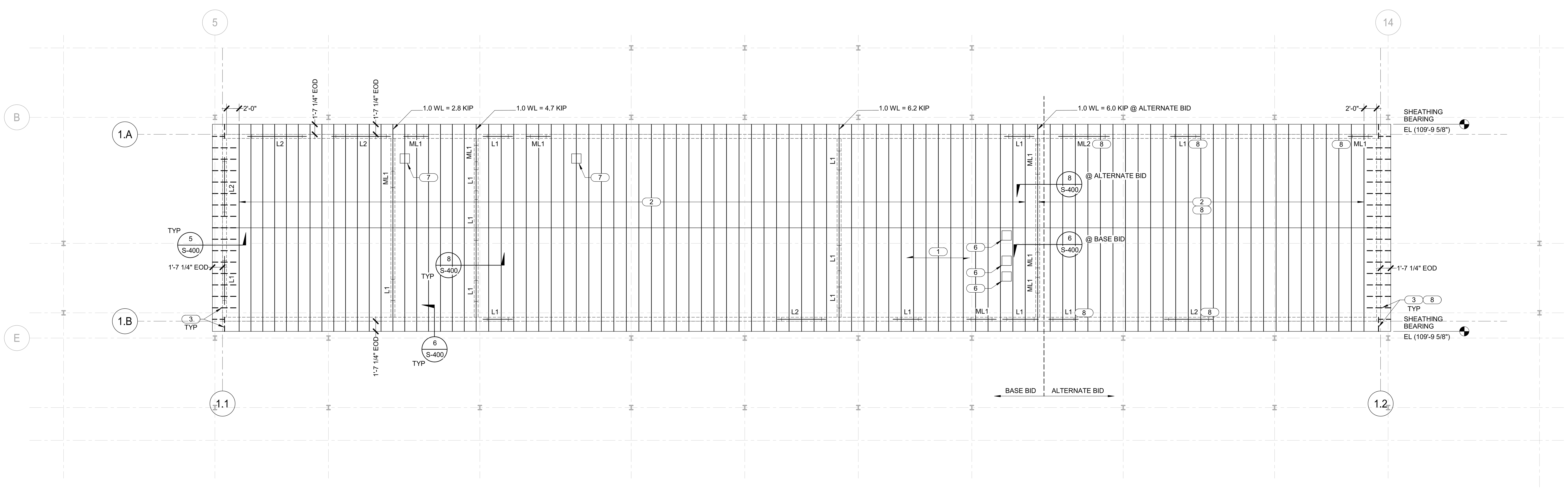


NOTES:

1. TRUSS SUPPLIER TO DESIGN FOR THE FOLLOWING LOADS:
   TOP CHORD DL = 15 PSF
   TOP CHORD UPLIFT = 12 PSF (1.0 WL)
   BOTTOM CHORD DL = 5 PSF
   TRUSS SELF-WEIGHT
   BALANCED SL PER S-000
   UNBALANCED SNOW LOAD PER GRAPH SHOWN ABOVE. LOADS INDICATED OVER HALF SPAN CAN TAKE PLACE ON EITHER SIDE PER ASCE7.
   SEE PLAN FOR IN-PLANE WIND LOADING AT TRUSS.
2. CONFIRM ROOF SLOPE WITH ARCHITECTURAL DRAWINGS.
3. SEE PLAN FOR ADDITIONAL WEIGHT REQUIREMENTS PER MECHANICAL EQUIPMENT . COORDINATE FINAL LOCATION AND WEIGTH WITH MECHANICAL SUBCONTRACTOR.

4 TRUSS DIAGRAM - CONCESSIONS AND LOCKER ROOM

1/4" = 1'-0"



1 ROOF FRAMING PLAN - CONCESSIONS AND LOCKER ROOM - ALTERNATE BID

1/8" = 1'-0"

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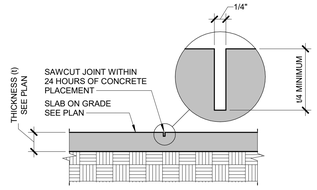
REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER	223050.00
DATE OF ISSUE	11.06.2023
DRAWN BY	ARUMON
CHECKED BY	TODBAR

ROOF FRAMING PLAN

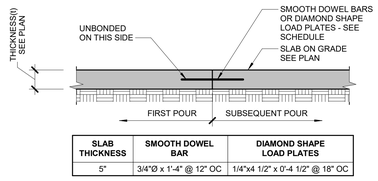
S-200
BIDDING



NOTES:

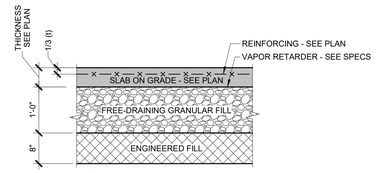
1. SEE CAST-IN-PLACE CONCRETE GENERAL NOTES CONCERNING LOCATION OF JOINTS.

1 TYPICAL CONTROL JOINT
3/4" = 1'-0"



SLAB THICKNESS	SMOOTH DOWEL BAR	DIAMOND SHAPE LOAD PLATES
5"	3/4"Ø x 1'-4" @ 12" OC	1/4"x4 1/2" x 0'-4 1/2" @ 18" OC

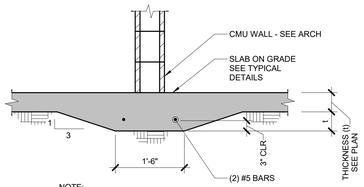
2 TYPICAL CONSTRUCTION JOINT
3/4" = 1'-0"



NOTES:

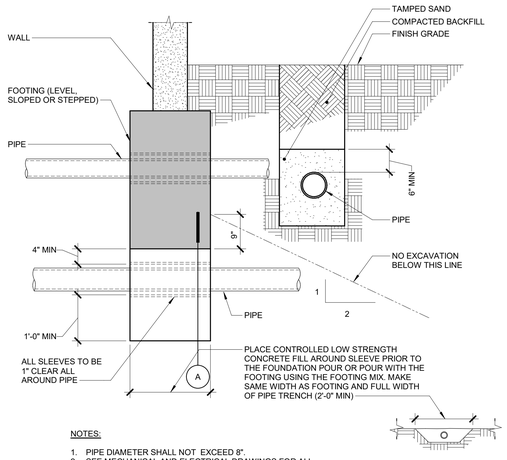
1. REFERENCE SPECIFICATIONS FOR MATERIAL AND COMPACTION REQUIREMENTS.

3 TYPICAL SLAB SECTION
3/4" = 1'-0"



NOTE:
1. PROVIDE CONSTRUCTION JOINT BETWEEN NON-STRUCTURAL AND STRUCTURAL CMU WALLS.

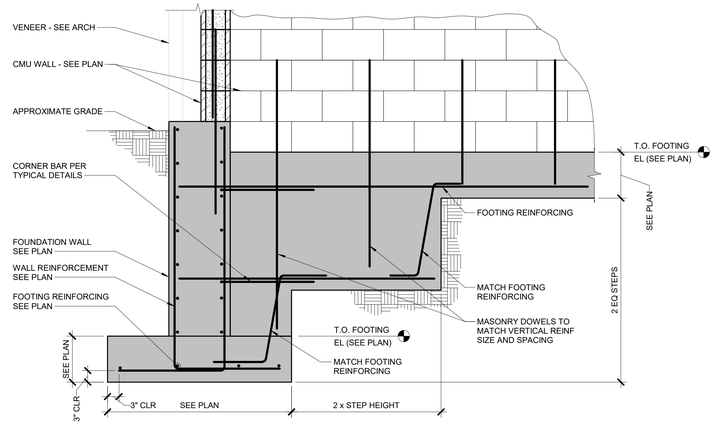
4 NON-STRUCTURAL CMU WALL DETAIL
3/4" = 1'-0"



NOTES:

1. PIPE DIAMETER SHALL NOT EXCEED 8".
2. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL LOCATIONS, ELEVATIONS, ETC. OF SITE UTILITIES.
3. DETAIL REQUIRED AT ALL UTILITIES HAVING A PLAN WIDTH UP TO 1'-0". FOR WIDTHS GREATER THAN 1'-0", SEE PLAN FOR REQUIRED DETAIL.
4. PIPE IS NOT ALLOWED UNDER SPREAD FOOTINGS.

5 TYPICAL PIPE TRENCH DETAIL
3/4" = 1'-0"



6 TYPICAL STEPPED FOOTING DETAIL
3/4" = 1'-0"

NOTE:

1. FOR HEIGHTS EXCEEDING 4'-0", EACH SIDE OF THE WALL SHALL BE BACKFILLED AT THE SAME TIME.

7 TYPICAL PERIMETER FROST WALL
3/4" = 1'-0"

NOTES:

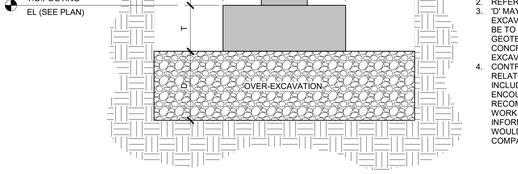
1. CONTRACTOR'S OPTION TO PROVIDE FOUNDATION WALL AS CMU BLOCK (FULLY GROUTED).

8 INTERIOR CMU WALL FOUNDATION
3/4" = 1'-0"

NOTE:

1. PIPE OPENINGS SHALL ONLY BE PLACED IN FOUNDATION WALL ALONG PERIMETER OF THE BUILDING. DO NOT PLACE ANY PLUMBING OPENING AT 4'-0" x 8" STOOP WALLS.
2. AT SIM, STOOP BEARING AT 8" CONC WALL PER 12/S-300.

9 TYPICAL STOOP DETAIL
3/4" = 1'-0"



NOTES:

1. EXCAVATION ARE SHOWN VERTICAL; HOWEVER, THE SIDEWALLS SHOULD BE SLOPED AS NECESSARY FOR SAFETY.
2. REFER TO FOOTING SCHEDULE FOR T (THICKNESS) AND W (WIDTH) DIMENSIONS.
3. "D" MAY RANGE FROM 3.5 FT TO 6.5 FT, ACTUAL VOLUME WILL BE BASED ON OVER-EXCAVATION AS DIRECTED BY GEOTECHNICAL CONSULTANT. ANOTHER OPTION CAN BE TO REMOVE THE UNSUITABLE SOILS DOWN TO SUITABLE SOILS AS INDICATED BY GEOTECHNICAL ENGINEER ON SITE AND REPLACE THE EXCAVATED AREA WITH LEAN CONCRETE (MIN 50 PSI COMPRESSIVE STRENGTH), IN WHICH CASE WIDENING OF THE EXCAVATION WOULD NOT BE REQUIRED.
4. CONTRACT ALLOWANCES SHOULD MADE FOR SOME REMEDIAL WORK AT THE SITE RELATED TO SUBGRADE PREPARATION AND FOUNDATION CONSTRUCTION. THIS WILL INCLUDE OVER EXCAVATION AND BACKFILLING OF UNSUITABLE SOILS ENCOUNTERED. IN THE FOUNDATION EXCAVATIONS IN ACCORDANCE WITH THE RECOMMENDATIONS STATED IN THE GEOTECHNICAL REPORT. THE AMOUNT OF SUCH WORK CANNOT BE DEFINED AT THIS TIME; THEREFORE, THE OWNER SHOULD BE INFORMED OF THESE COST VARIABLES. THE MOST CONSERVATIVE APPROACH WOULD BE TO COMPLETELY REMOVE THE FILL AND REPLACE IT WITH ENGINEERED COMPACTED AND TESTED FILL.

10 TYPICAL OVER-EXCAVATION DETAIL
3/4" = 1'-0"

11 TYPICAL PERIMETER FOUNDATION WALL AT EXISTING
3/4" = 1'-0"

12 PIPE THROUGH FOOTING DETAIL
3/4" = 1'-0"

	COLUMN	BASE PLATE
GATE ENTRANCE	HSS8x8x1/2	12/S-400

13 TYPICAL POST FOUNDATION
3/4" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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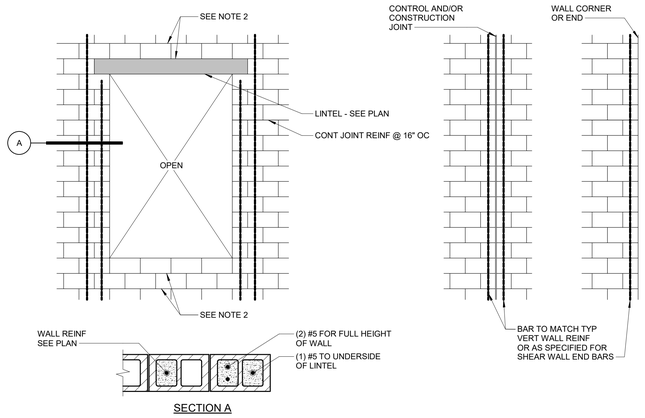
CONCRETE DETAILS

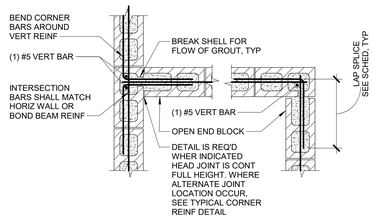
S-300
BIDDING



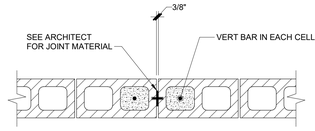
NOTES:

1. SEE ARCH ELEVATIONS FOR CONTROL JOINT LOCATIONS.
2. TWO COURSES OF JOINT REINF ARE REQUIRED ABOVE THE LINTEL AND BELOW THE SILL AND SHALL EXTEND A MIN OF 24 INCHES PAST THE OPENING.

1 TYPICAL CMU WALL OPENING DETAIL
3/4" = 1'-0"



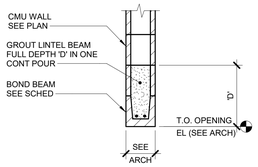
2 CMU WALL INTERSECTION DETAILS
3/4" = 1'-0"



NOTES:

1. HORIZONTAL REINFORCING AND BOND BEAMS SHALL BE DISCONTINUOUS AT WALL JOINT. EXCEPT FOR CHORD REINFORCING.
2. DO NOT LOCATE JOINT OVER OPENING OR WITHIN JAMB.
3. REFERENCE STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
4. COORDINATE LOCATION OF JOINTS WITH ARCHITECTURAL DRAWINGS.

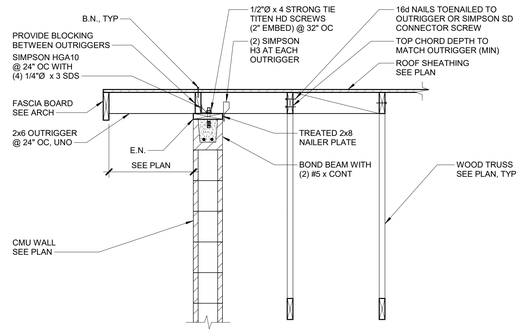
3 WALL CONSTRUCTION JOINT
1" = 1'-0"



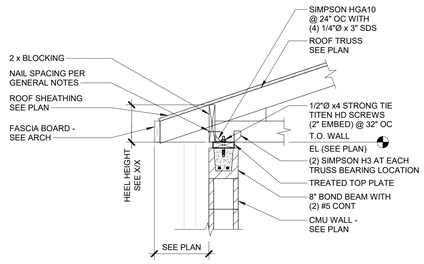
NOTE:

1. SHORE UNTIL GROUT FOR LINTEL HAS REACHED ITS SPECIFIED STRENGTH.

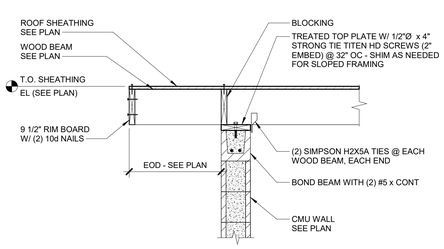
4 BOND BEAM LINTEL DETAIL
3/4" = 1'-0"



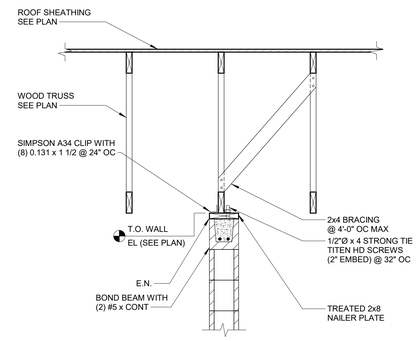
5 OUTRIGGER PARALLEL TO TRUSS DETAIL
3/4" = 1'-0"



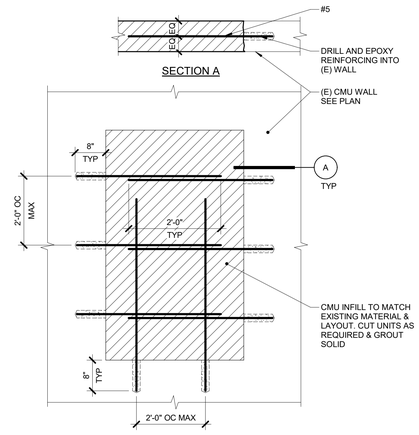
6 TRUSS BEARING AT EXTERIOR WALL DETAIL
3/4" = 1'-0"



7 WOOD BEAM AT CMU WALL DETAIL
3/4" = 1'-0"

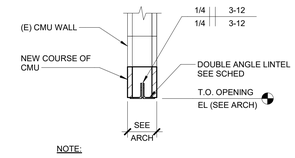


8 ROOF SHEATHING AT INTERIOR WALL DETAIL
3/4" = 1'-0"



NOTE:
1. EXISTING MASONRY BLOCKS UNDER NEW LINTEL BEARING TO BE FULLY GROUTED.

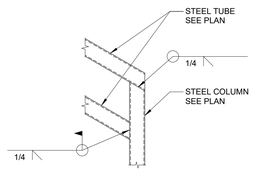
9 CMU INFILL ELEVATION
3/4" = 1'-0"



NOTE:

1. (E) WALL TO BE SHORED AS REQUIRED FOR INSTALLATION OF NEW LINTEL.
2. EXISTING MASONRY BLOCKS UNDER NEW LINTEL BEARING TO BE FULLY GROUTED.

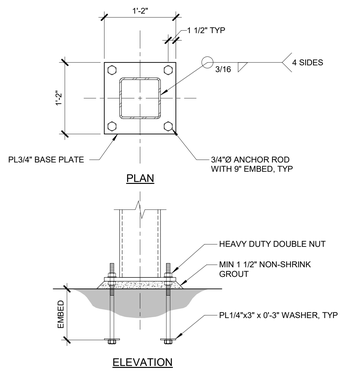
10 DOUBLE ANGLE LINTEL DETAIL AT EXISTING
3/4" = 1'-0"



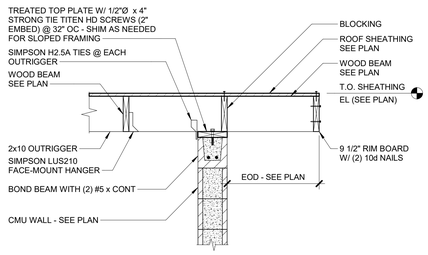
NOTES:

1. STEEL TO BE GALVANIZED. CONTRACTOR'S OPTION TO SHOP ASSEMBLE FULL SIGN OR PROVIDE SPLICE IN ALTERNATE LOCATION, AND REPAIR ALL GALVANIZATION.
2. WELDS SHOULD BE GROUND SMOOTH.

11 STEEL SIGN CONNECTION
3/4" = 1'-0"



12 HSS COLUMN BASE PLATE
1" = 1'-0"



13 OUTRIGGER PARALLEL TO WOOD BEAM DETAIL
3/4" = 1'-0"

LEGAT ARCHITECTS
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NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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MASONRY AND FRAMING DETAILS

S-400
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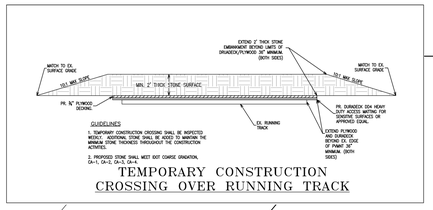
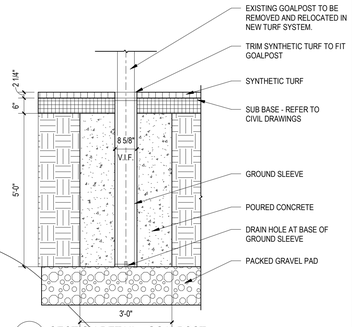
REF. SCALE IN INCHES 0 1 2 3

PROJECT #23003328.00



TEMPORARY CONSTRUCTION CROSSING OVER RUNNING TRACK



2 SECTION DETAIL - GOALPOST
1/2" = 1'-0"

EXISTING TRACK SURFACE TO BE PROTECTED DURING ALL CONSTRUCTION. INSTALL TEMPORARY (RUNNING TRACK PROTECTION) CROSSING. INSTALL CROSSING PRIOR TO ANY CONSTRUCTION ACTIVITY. CONTRACTOR RESPONSIBLE FOR ANY DAMAGE TO ASPHALT SUBBASE OF TRACK. REFER TO TEMPORARY CONSTRUCTION CROSSING OVER RUNNING TRACK DETAIL.

SOCCER LINES (COLOR 3) - TYPICAL

5' BORDER LINE (COLOR 1) - TYPICAL

EXISTING TRACK TO REMAIN

NEW GRANDSTAND BLEACHERS TO BE CENTERED ON 50 YARD LINE

12' WIDE SIDELINE (WHITE)

LINE MARKINGS (WHITE) - TYPICAL

ENDZONE LETTERING (COLOR 2) WITH 8" WHITE BORDER - TYPICAL

WHITE YARD MARKER WITH ARROW -TYPICAL

ALTERNATE BID MIDFIELD GRAPHIC WITH 2 COLORS AND 12" WHITE BORDER

SYNTHETIC TURF

EXISTING GOAL POST TO BE REMOVED AND REINSTALLED. PROVIDE NEW PIER FOR GOAL POST. REFER TO DETAIL 2/AS001

COLOR OUTSIDE FIELD: FIELD GREEN

FIELD COLOR: ALTERNATING LIME/FIELD GREEN FIELD EVERY 5 YARDS. FIELD GREEN FROM 45 YARD LINE TO 45 YARD LINE

EXISTING GOAL POST TO BE REMOVED AND REINSTALLED. PROVIDE NEW PIER FOR GOAL POST REFER TO DETAIL 2/AS001

192'-0" INSIDE TO INSIDE

160'-0" INSIDE TO INSIDE

WORK UNDER SEPARATE CONTRACT DRAWING INCLUDED FOR REFERENCE ONLY

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CHECKED BY	ZC

ARCHITECTURAL SITE PLAN (FOR REFERENCE)

AS001
PHASE 2 - BIDDING

ARCHITECTURAL PLAN NOTES

NOTE	DESCRIPTION
N03.01	INFILL CONCRETE SLAB REMOVED FOR UNDERGROUND WORK. PREP CONCRETE FOR FLOOR FINISH AS INDICATED ON FINISH PLAN. REFER TO PLUMBING AND MECHANICAL DRAWINGS FOR EXTENT OF UNDERGROUND WORK.
N04.04	INFILL MASONY OPENING WITH CONCRETE BLOCK. TOOTH IN WHOLE UNITS
N04.06	PROVIDE 8" CONCRETE BLOCK PARTITIONS AND MASONRY OPENING WITH NON-LOAD BEARING STEEL LINTEL. TOOTH-IN WHOLE UNITS
N04.08	PROVIDE 4" CONCRETE BLOCK PARTITIONS AND MASONRY OPENING WITH NON-LOAD BEARING STEEL LINTEL. TOOTH-IN WHOLE UNITS
N04.11	REMOVE AND REPLACE DAMAGED CONCRETE BLOCK AFTER WALL DEMOLITION.
N08.41	PROVIDE STEEL FRAME, WOOD DOOR, HARDWARE AND/OR GLAZING. REINSTALL EXISTING LOCKSET. REFER TO DOOR AND FRAME SCHEDULE
N09.20	PROVIDE SUSPENDED ACOUSTICAL TILE CEILING SYSTEM. REFER TO REFLECTED CEILING, MECHANICAL, AND ELECTRICAL DRAWINGS.
N09.48	INSTALL FLOOR DRAIN – REFER TO PLUMBING DRAWINGS
N09.49	PATCH CONCRETE SLAB AROUND FLOOR DRAIN – VERIFY EXISTING FLOOR SLOPE IS PITCHED APPROPRIATELY TOWARDS EXISTING DRAIN LOCATION – PROVIDE NEW PITCH AS REQUIRED FOR NEW WORK
N22.05	PROVIDE NEW PLUMBING FIXTURES. VERIFY FIXTURE TYPE WITH OWNER BEFORE PLACEMENT. REFER TO PLUMBING DRAWINGS.
N32.01	PROVIDE TRASH RECEPTACLE
N32.02	PROVIDE RECYCLING RECEPTACLE

MOVEABLE GATE PANEL

FIXED FENCE PANELS

CONCRETE LOGO WITH INTEGRAL COLOR - (2) COLORS, PROVIDE JOINTS BETWEEN SEPARATE POURS.

BLEACHER STRUCTURE AND FOUNDATION UNDER SEPARATE CONTRACT - SHOWN FOR REFERENCE ONLY - TYPICAL

SPIRIT TRAILER - OWNER PROVIDED

EXISTING BUILDING TO REMAIN

PEPSI TRAILER - OWNER PROVIDED

GRILL AREA - OWNER PROVIDED

EXISTING LIGHT POLE TO REMAIN

LINE OF BLEACHERS OVERHEAD (DASHED)

185' - 0"

BASE BID ALTERNATE BID

MENS 301

WOMENS 302

MECH 300

TICKET BOOTH 400

TRAINER 102

CORRIDOR 101

OFFICE 103

CONCESSIONS 100

STAFF TOILET 104

JAN. 100A

HOME LOCKER ROOM 105

HOME TOILET ROOM 105A

FAMILY TOILET 107

AWAY TOILET ROOM 110A

VESTIBULE 105B

JAN. 106A

ELEC / MDF 106

MECH / ELEC 108

STORAGE 109

VESTIBULE 110C

AWAY LOCKER ROOM 110

VESTIBULE 110B

WAP

UP

1 OVERALL FLOOR PLAN & PARTIAL SITE PLAN
1/8" = 1'-0"
A-200

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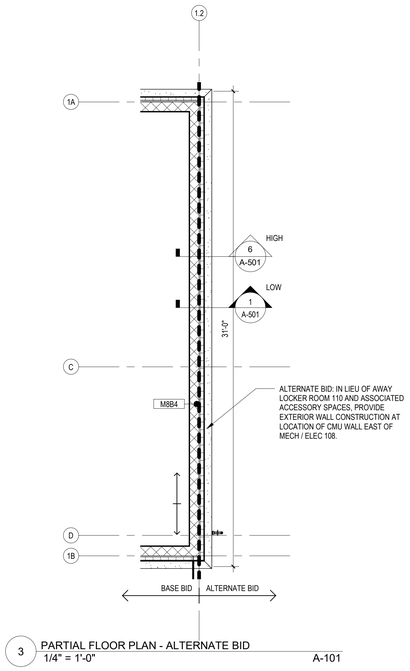
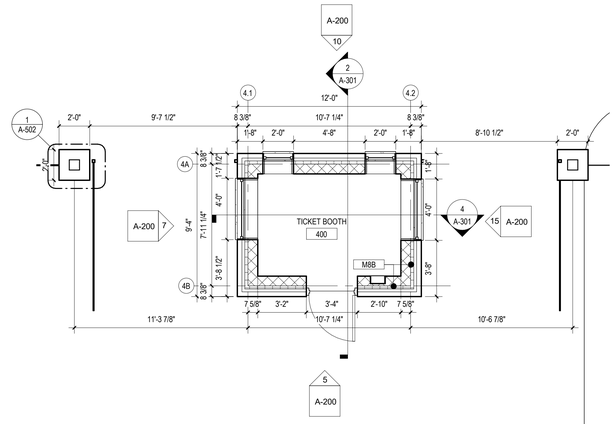
OVERALL FLOOR PLAN & PARTIAL SITE PLAN

A-010

PHASE 2 - BIDDING



3 PARTIAL FLOOR PLAN - ALTERNATE BID
1/4" = 1'-0" A-101



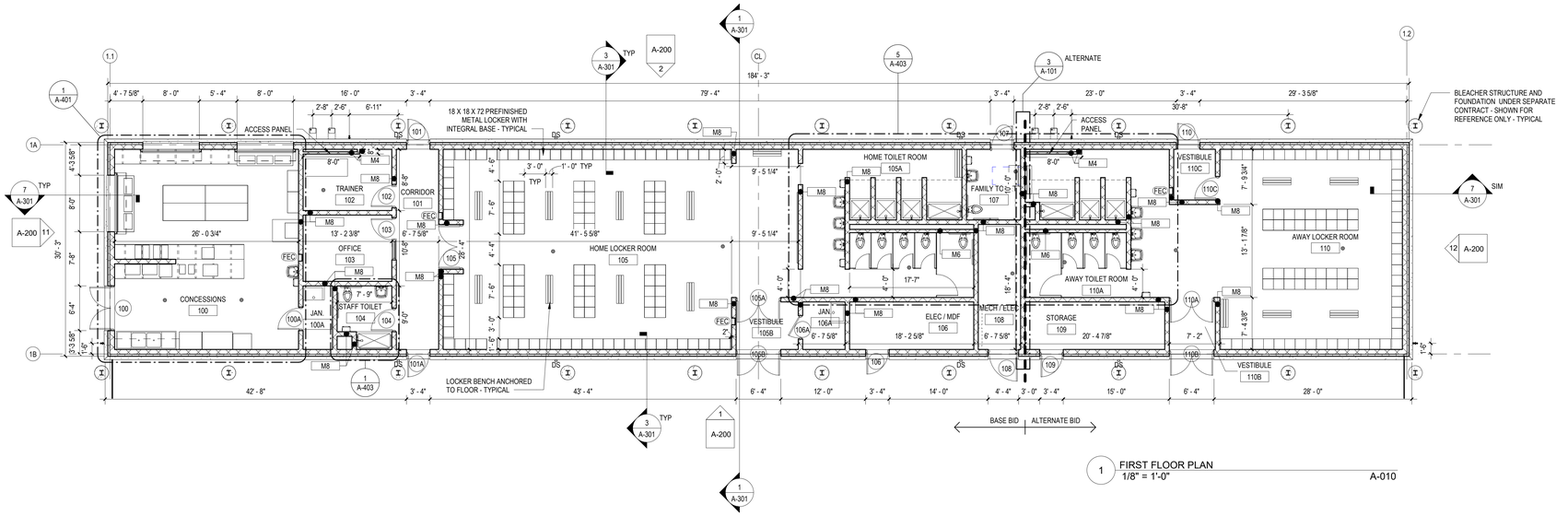
2 ENLARGED TICKET BOOTH PLAN
1/4" = 1'-0" A-010

FLOOR PLAN LEGEND

1 / A101 SIM — DETAIL SECTION TAG	CG — CORNER GUARD - REFER TO DETAIL - / ---
1 / A101 SIM — BUILDING & WALL SECTION TAG	FE — FIRE EXTINGUISHER - WALL MOUNTED
S3FA — WALL TYPE - REFER TO A-611 FOR WALL TYPES	FEC — RECESSED FIRE EXTINGUISHER AND CABINET
101 — DOOR NUMBER - REFER TO A-601 FOR DOOR AND FRAME SCHEDULE	FEC — SEMI-RECESSED FIRE EXTINGUISHER AND CABINET
ROOM NAME 101 — ROOM NAME AND NUMBER	MB# — MARKER BOARD
A101 Ref 1 — INTERIOR ELEVATION TAG	TB# — TACK BOARD
A101 1 Ref — EXTERIOR ELEVATION TAG	FD — FLOOR DRAIN
0 — COLUMN TAG AND COLUMN CENTERLINE	AREA NOT IN CONTRACT
A101 Ref 1 — STOREFRONT, CURTAIN WALL AND WINDOW ELEVATION	N### — NEW WORK NOTE

ARCHITECTURAL PLAN NOTES

NOTE	DESCRIPTION
N03.01	INFILL CONCRETE SLAB REMOVED FOR UNDERGROUND WORK. PREP CONCRETE FOR FLOOR FINISH AS INDICATED ON FINISH PLAN. REFER TO PLUMBING AND MECHANICAL DRAWINGS FOR EXTENT OF UNDERGROUND WORK.
N04.04	INFILL MASONRY OPENING WITH CONCRETE BLOCK. TOOTH IN WHOLE UNITS
N04.06	PROVIDE 8" CONCRETE BLOCK PARTITIONS AND MASONRY OPENING WITH NON-LOAD BEARING STEEL LINTEL. TOOTH-IN WHOLE UNITS
N04.08	PROVIDE 4" CONCRETE BLOCK PARTITIONS AND MASONRY OPENING WITH NON-LOAD BEARING STEEL LINTEL. TOOTH-IN WHOLE UNITS
N04.11	REMOVE AND REPLACE DAMAGED CONCRETE BLOCK AFTER WALL DEMOLITION.
N08.41	PROVIDE STEEL FRAME, WOOD DOOR, HARDWARE AND/OR GLAZING. REINSTALL EXISTING LOCKSET. REFER TO DOOR AND FRAME SCHEDULE
N09.20	PROVIDE SUSPENDED ACOUSTICAL TILE CEILING SYSTEM. REFER TO REFLECTED CEILING, MECHANICAL, AND ELECTRICAL DRAWINGS.
N09.48	INSTALL FLOOR DRAIN – REFER TO PLUMBING DRAWINGS
N09.49	PATCH CONCRETE SLAB AROUND FLOOR DRAIN – VERIFY EXISTING FLOOR SLOPE IS PITCHED APPROPRIATELY TOWARDS EXISTING DRAIN LOCATION – PROVIDE NEW PITCH AS REQUIRED FOR NEW WORK.
N22.05	PROVIDE NEW PLUMBING FIXTURES. VERIFY FIXTURE TYPE WITH OWNER BEFORE PLACEMENT. REFER TO PLUMBING DRAWINGS.
N32.01	PROVIDE TRASH RECEPTACLE
N32.02	PROVIDE RECYCLING RECEPTACLE



1 FIRST FLOOR PLAN
1/8" = 1'-0" A-010

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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NO.	DESCRIPTION	DATE

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DRAWN BY	
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FIRST FLOOR PLAN

A-101
PHASE 2 - BIDDING

DESIGN NOTES

DESIGN LOADING
- TREAD & SEAT AREA 100PSF UNIFORM LIVE LOAD.
- SEAT (VERTICAL) 120 LBS/LF
- SEAT (HORIZONTAL SWAY) 24 LBS/LF PARALLEL AND 10 LBS/LF PERPENDICULAR TO SEAT.
- TREAD - STAIR AND AISLE TREADS - MINIMUM CONCENTRATED LOAD OF 300 LBS ON AN AREA OF 4 SQUARE INCHES.
- HANDRAIL & GUARDRAIL 50 LBS/LF IN ANY DIRECTION AT THE TOP.
- HANDRAIL & GUARDRAIL 200 LBS CONCENTRATED IN ANY DIRECTION.
- GUARDS, INFILL COMPONENTS - 50 LBS PER SQ.FT. IN HORIZONTAL DIRECTION
- SNOW LOADS AS PER STATE ADOPTED CODE
- WIND LOADS AS PER STATE ADOPTED CODE
- SEISMIC LOADS AS PER STATE ADOPTED CODE

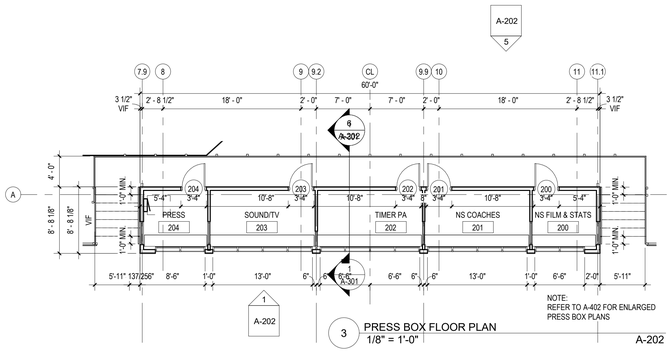
NOTES
1. ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL CONFORM TO THE FOLLOWING A.I.S.C. STANDARDS
   - A. PLATE UP TO 1/2" THICK = A36 GR. 36. Fy =36 KSI MIN.
   - B. PLATE 5/8" AND GREATER = 572 GR. 50. Fy = 50KSI MIN.
   - C. ANGLE = A36/A36M GRADE 50
   - D. WIDE FLANGE = A992 Fy = 50 KSI
   - E. CHANNEL = A36/A36M GRADE 50
   - F. ROD = A36/A529 GRADE 50
   - G. TUBE = A500 GRADE "B" 46 KSI
2. WELDS ARE ALL AROUND WITH TYPE ER70S-6 WIRE MIG.
3. ALL STEEL TO BE HOT DIPPED GALVANIZED TO A.S.T.M.A-123-89 ae1
4. STRUCTURAL BOLTS ARE HOT DIPPED GALVANIZED AND ARE EQUAL TO OR GREATER THAN A-307
5. NO CONNECTIONS UTILIZING HIGH STRENGTH BOLTS ARE CLASSED AS SLIP CRITICAL.
6. ANODIZED ALUMINUM RAIL 1 1/4" NOMINAL PIPE SIZE (1 5/8" O.D.)
7. ALL FIELD CONNECTIONS ARE NON-SLIP CRITICAL U.N.O. ALL CONNECTIONS ARE DESIGNED TO UTILIZED A307 BOLTS. IT IS ACCEPTABLE TO USE A325N BOLTS IN LIEU OF THE A307 BOLTS. THE INSTALLATION OF THESE BOLTS ARE TO BE TIGHTENED A SNUG TIGHT CONDITION AS SPECIFIED BY A.I.S.C.

BLEACHER AND PRESS BOX NOTES

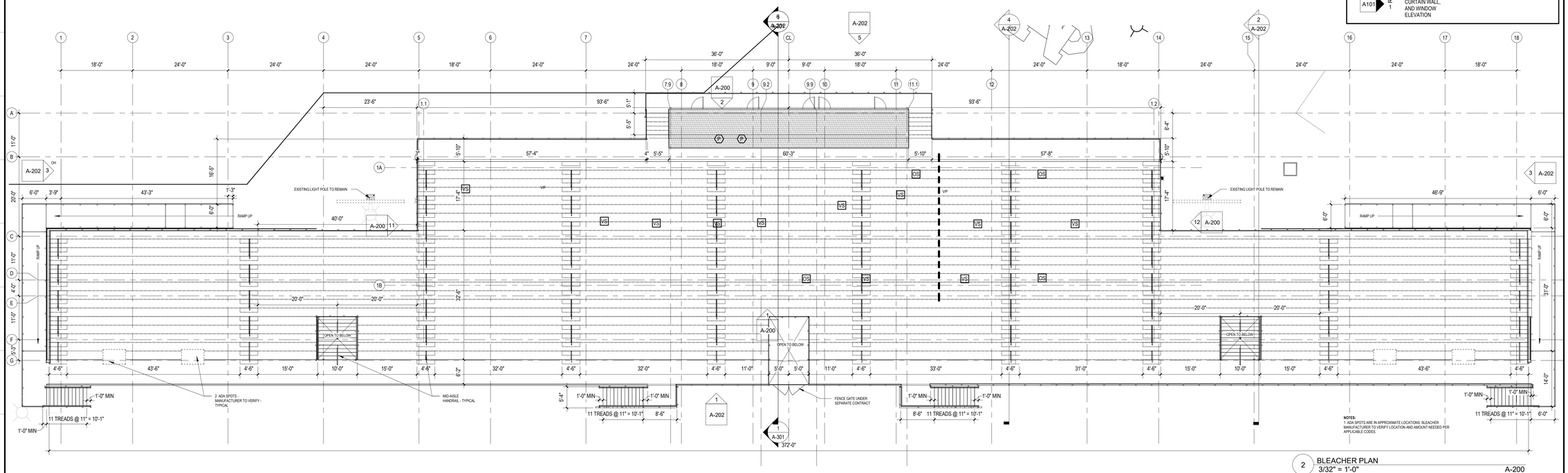
1. THE BLEACHERS AND PRESS BOX SHALL BE A FACTORY FABRICATED, PRE-ASSEMBLED UNIT DESIGNED, CERTIFIED, FABRICATED AND INSTALLED BY A COMPANY WITH MINIMUM TEN YEARS EXPERIENCE COMPLETING PROJECTS OF SIMILAR SCOPE AND COMPLEXITY.
2. THE WORK SHALL INCLUDE ALL DESIGN, STRUCTURAL ENGINEERING, FABRICATION, MATERIALS, LABOR, ETC. AS REQUIRED TO PROVIDE THE BLEACHERS, PRESS BOX, AND RELATED APPURTENANCES DELIVERED TO THE PROJECT SITE, CRANE HOISTED IN-PLACE, AND OTHERWISE INSTALLED FOR A COMPLETE, TURN-KEY INSTALLATION.
3. THE BLEACHER AND PRESS BOX FABRICATOR SHALL BE RESPONSIBLE FOR THE STRUCTURAL DESIGN AND CERTIFICATION OF ALL STRUCTURE NECESSARY TO SUPPORT THE BLEACHERS, PRESS BOX AND RELATED APPURTENANCES.
4. STRUCTURAL DESIGN FOR ALL WORK SHALL BE PERFORMED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF IOWA. PROVIDE DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY THE STRUCTURAL ENGINEER.
5. THE BLEACHER AND PRESS BOX DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY THE DESIGN INTENT. THE FABRICATOR SHALL PROVIDE A COMPLETE SET OF SHOP DRAWINGS TO THE OWNER AND ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO BEGINNING FABRICATION.
6. ALL EXPOSED STRUCTURAL STEEL COMPONENTS SHALL BE HOT DIP GALVANIZED AND FIELD PAINTED.
7. PROVIDE ADA SEATING IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT.

FLOOR PLAN LEGEND

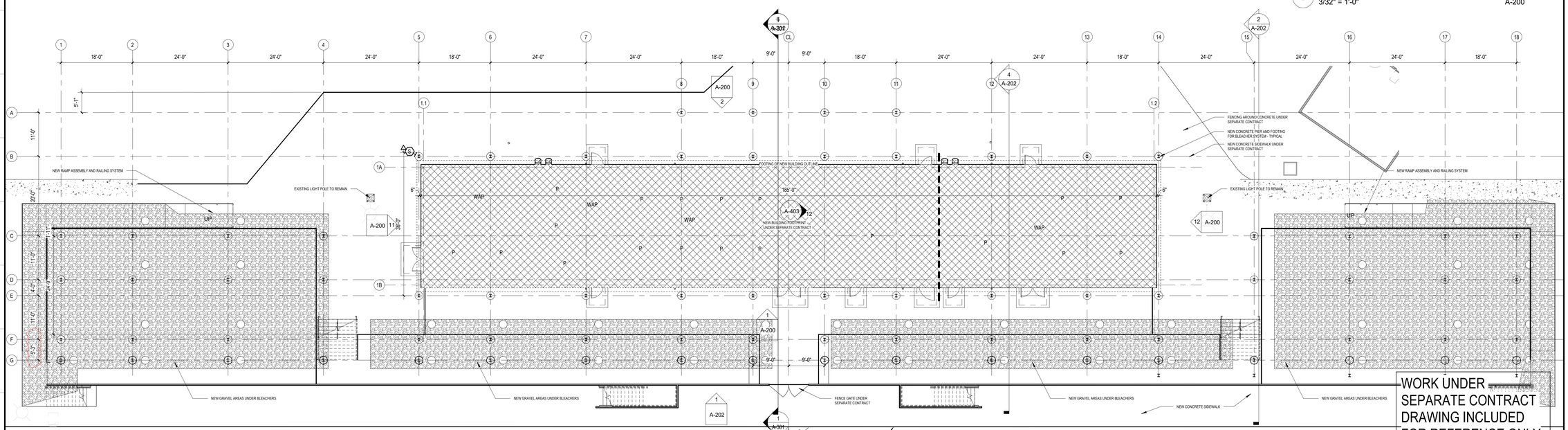
- 1 / A101 — SIM — DETAIL SECTION TAG
- 1 / A101 — SIM — BUILDING & WALL SECTION TAG
- S3FA — WALL TYPE - REFER TO A-611 FOR WALL TYPES
- 101 — DOOR NUMBER - REFER TO A-601 FOR DOOR AND FRAME SCHEDULE
- ROOM NAME / 101 — ROOM NAME AND NUMBER
- A101 — Ref — 1 — INTERIOR ELEVATION TAG
- A101 — 1 — Ref — EXTERIOR ELEVATION TAG
- 0 — COLUMN TAG AND COLUMN CENTERLINE
- A101 — Ref — 1 — STOREFRONT, CURTAIN WALL AND WINDOW ELEVATION
- CG — CORNER GUARD - REFER TO DETAIL - / ---
- FE — FIRE EXTINGUISHER - WALL MOUNTED
- FEC — RECESSED FIRE EXTINGUISHER AND CABINET
- FEC — SEMI-RECESSED FIRE EXTINGUISHER AND CABINET
- MB# — MARKER BOARD
- TB# — TACK BOARD
- FD — FLOOR DRAIN
- AREA NOT IN CONTRACT
- N#### — NEW WORK NOTE



3 PRESS BOX FLOOR PLAN
1/8" = 1'-0"
A-202



2 BLEACHER PLAN
3/32" = 1'-0"
A-200



1 T/ FOOTING
3/32" = 1'-0"
A-202

WORK UNDER SEPARATE CONTRACT DRAWING INCLUDED FOR REFERENCE ONLY

LEGAT ARCHITECTS
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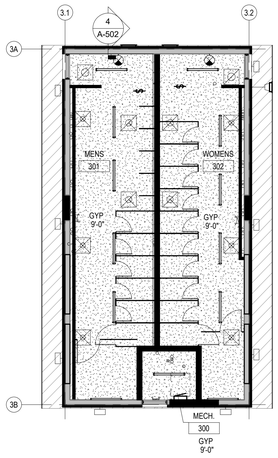
CHECKED BY	ZC

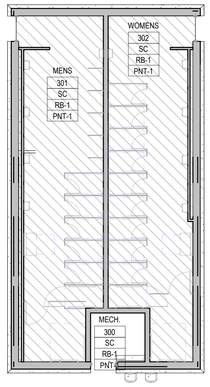
BLEACHER FLOOR PLANS (FOR REFERENCE)

A-102

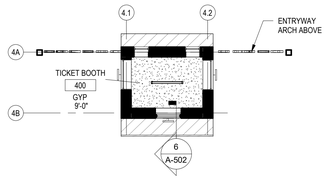
PHASE 2 - BIDDING



6 FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0" A-200



3 FIRST FLOOR FINISH PLAN
1/8" = 1'-0" A-200



5 FIRST FLOOR REFLECTED CEILING PLAN
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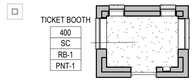


2 FIRST FLOOR FINISH PLAN
1/8" = 1'-0" A-200

REFLECTED CEILING PLAN LEGEND

- FINISHED CEILING ELEVATION
- 2' X 2' SUSPENDED ACOUSTICAL CEILING TILE
- GYPSUM BOARD CEILING OR SOFFIT
- EXPOSED CEILING
- 2' X 2' LUMINAIRE - REFER TO ELECTRICAL DRAWINGS
- 2' X 4' LUMINAIRE - REFER TO ELECTRICAL DRAWINGS
- RECESSED CAN LUMINAIRE - REFER TO ELECTRICAL DRAWINGS
- 1' X 4' SURFACE MOUNTED LUMINAIRE - REFER TO ELECTRICAL DRAWINGS
- RECESSED 1' X 4' INDUSTRIAL LUMINAIRE
- RETURN DIFFUSER - SEE MECHANICAL DRAWINGS
- SUPPLY DIFFUSER - SEE MECHANICAL DRAWINGS
- CABINET UNIT HEATER - SEE MECHANICAL DRAWINGS
- EMERGENCY WALL LIGHT
- EMERGENCY EXIT SIGN
- SD — SMOKE DETECTOR
- OS — OCCUPANCY SENSOR
- DS — DAYLIGHT SENSOR
- WAP — WIRELESS ACCESS POINT

GENERAL FINISH NOTES

1. REFER TO THE FINISH PLAN LEGEND FOR MATERIAL AND COLOR INFORMATION. ALSO REFER TO THE PROJECT MANUAL.
2. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO PROPERLY PREPARE ALL SURFACES IDENTIFIED TO RECEIVE NEW FINISHES IN ACCORDANCE WITH THE FINISH MANUFACTURER'S RECOMMENDATIONS.
3. NUMBERS/LETTERS REFER TO COLOR. REFER TO FINISH LEGEND AND/OR SPECIFICATIONS.
4. IN ALL RENOVATED AREAS ALL WALLS SHALL BE PAINTED PNT-1 U.N.O. ALL NEW WALLS SHALL BE PAINTED PNT-1 UNLESS NOTED OTHERWISE.
5. BRICK WALLS SHALL NOT BE PAINTED. U.N.O.
6. ALL HOLLOW METAL DOOR FRAMES AND HOLLOW METAL WINDOW FRAMES TO BE PAINTED PNT-X (IPS-X) U.N.O. IN FINISH DRAWINGS.
7. ALL ACCESS DOORS TO BE PAINTED. COLOR TO MATCH ADJACENT SURFACE.
8. ELECTRICAL PANELS, MECHANICAL GRILLES, LOUVERS, AND ANY OTHER MISCELLANEOUS, UNFINISHED ITEMS INSTALLED IN WALL SURFACES OF CORRIDORS AND OCCUPIED SPACES SHALL BE PAINTED TO MATCH ADJACENT WALL COLOR.
9. ALL SEALED CONCRETE FLOORS SHALL HAVE RUBBER BASE (U.N.O.).
10. ALL REDUCERS TO BE COORDINATED APPROPRIATELY WITH ABUTTING MATERIAL HEIGHTS.
11. AT BUILDING CONSTRUCTION JOINTS DO NOT BRIDGE THE FLOORING MATERIALS. INSTALL MATCHING MATERIAL WITHIN.
12. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR SLOPES TO FLOOR DRAINS. COORDINATE ACCORDINGLY WITH INTENDED FLOOR MATERIAL.
13. PROVIDE VAPOR BARRIER SEALER ON CONCRETE SURFACES AT ALL AREAS TO RECEIVE CARPET AND/OR RESILIENT FLOORING.
14. PRIOR TO THE INSTALLATION OF NEW ADHESIVES OVER CONCRETE SUBSTRATES PRIOR TO THE INSTALLATION OF FLOOR COVERING SYSTEMS. APPLY A LIGHT-COLORED HIGH STRENGTH ACRYLIC POLYMER COMPOUND (AQUEOUS FLOOR SEALER) TO ISOLATE AND CUT BACK OLD ADHESIVE FLOOR RESIDUES. ACRYLIC POLYMER COMPOUND TO BE SOLVENT FREE AND TO CONTAIN "ZERO" CALCULATED VOC'S. BASIS OF DESIGN XL BRANDS "TRISEAL". FOLLOW MANUFACTURERS RECOMMENDATION FOR INTENDED APPLICATION.
15. IT IS THE RESPONSIBILITY OF ALL TRADES TO COORDINATE PREPARATION OF SURFACES TO RECEIVE FINISH PRODUCT. CONSULT WITH MANUFACTURERS RECOMMENDED PRACTICES.
16. WHERE "PATCH AND REPAIR" IS REQUIRED DUE TO NEW CONSTRUCTION IN EXISTING AREAS WHERE NO WORK IS SCHEDULED TO BE PERFORMED "PATCH AND REPAIR" FINISHES TO MATCH ADJACENT EXISTING FINISH, COLOR, TEXTURE AND SHEEN.
17. ANY DAMAGE TO EXISTING SURFACES DUE TO SCHEDULED DEMOLITION AND/OR TO ACCOMMODATE DIVISION 22, 23, 26, 27 & 28 SCOPE OF WORK INCLUDED IN THIS PACKAGE SHALL BE REPAIRED, THOUGH NOT EXPRESSLY NOTED "PATCH AND REPAIR", IT IS INTENDED THAT THE WORK BE PERFORMED.
18. "PATCH AND REPAIR" WALLS AS REQUIRED WHERE EXISTING JUNCTION BOXES AND/OR OUTLETS ARE REMOVED. PREPARE WALLS FOR NEW PAINT FINISH.

GENERAL FLOOR FINISH NOTES

1. AT ALL AREAS OF NEW FLOORING:
   - A. PROVIDE RUBBER TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS.
   - B. PROVIDE 4-INCH RUBBER BASE ON ALL VERTICAL SURFACES ABUTTING FLOORING MATERIALS.
   - C. GRIND ANY HIGH SPOTS AND FILL ANY LOW SPOTS IN CONCRETE SUBSTRATE PRIOR TO BEGINNING ANY WORK.
   - D. PREPARE CRACKS AND OTHER SURFACE DEFECTS IN CONCRETE SUBSTRATE IN ACCORDANCE WITH FLOORING MANUFACTURER'S RECOMMENDATIONS PRIOR TO BEGINNING ANY WORK.

GENERAL PAINTING NOTES

1. ALL NEW CONSTRUCTION AND IDENTIFIED EXISTING CONSTRUCTION TO REMAIN SHALL BE PRIME AND FINISH PAINTED UNLESS MATERIALS ARE PRE-FINISHED. REFER TO THE PROJECT MANUAL.
   - A. NEW PARTITIONS ARE TO BE PRIME PAINTED FOR FULL HEIGHT OF PARTITION (U.N.O.).
   - B. SIGHT-EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE FINISHED PAINTED.
   - C. SIGHT-EXPOSED SURFACES OF SOFFITS SHALL BE PRIME AND FINISHED PAINTED.
2. ALL WALLS IN EXISTING ROOMS IN WHICH WORK IS OCCURRING:
   - A. REPAIR HOLES, DEFECTS, ETC. IN EXISTING WALLS.
   - B. AT REPAIRS AND UNPAINTED CONCRETE BLOCK PROVIDE BLOCK FILL PAINT AND TWO FINISH COATS OF PAINT.
   - C. AT REPAIRS AND UNPAINTED GYPSUM BOARD AND/OR PLASTER PROVIDE PRIMER AND TWO FINISH COATS OF PAINT.
   - D. PROVIDE ONE FINISH COAT OF PAINT OVER EXISTING PAINTED WALLS.
3. IN OCCUPIED SPACES IN AREAS OF NEW CONSTRUCTION, ALL SIGHT-EXPOSED MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, AND TECHNOLOGY COMPONENTS INCLUDING, BUT NOT LIMITED TO, DUCTWORK, PIPING, FITTINGS, CONDUIT, BOXES, HANGERS, ETC SHALL BE PAINTED. DATA CABLING SHALL NOT BE PAINTED.
4. AT AREAS OF EXPOSED ROOF STRUCTURE IDENTIFIED TO BE PAINTED, ALL SIGHT-EXPOSED ITEMS SHALL BE PAINTED INCLUDING, BUT NOT LIMITED TO, ROOF DECK, STRUCTURE, DUCTWORK, PIPING, FITTINGS, CONDUIT, BOXES, HANGERS, ETC.
5. ALL WALLS TO BE FINISH PAINTED PNT-1 WITH EGGSHELL FINISH (U.N.O.).
6. AT STEEL DOORS AND STEEL FRAMES:
   - A. INTERIORS TO BE PAINTED PNT-1 WITH SEMI-GLOSS FINISH (U.N.O.).
   - B. ALL EXTERIOR TO BE PAINTED WITH COLOR TO BE SELECTED BY ARCHITECT WITH SEMI-GLOSS FINISH (U.N.O.).

SYMBOL LEGEND

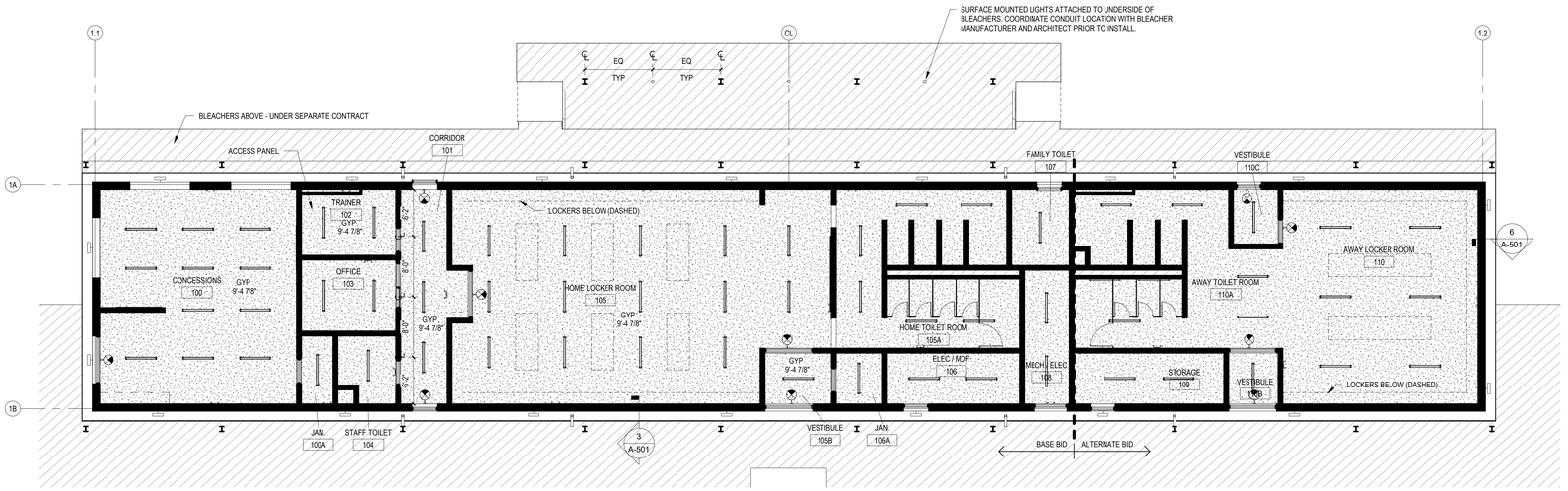
MATERIAL DIRECTION

FINISH LEGEND

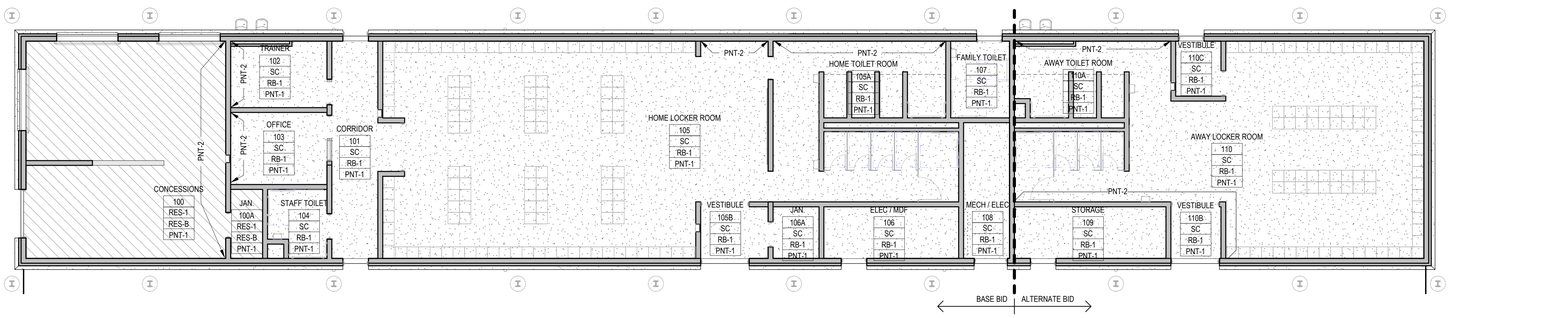
RES-1 RESINOUS (FLUID APPLIED) FLOORING	MANUF: SHERWIN WILLIAMS STYLE: RESUFLOR DECO QUARTZ COLOR: TBD
RES-B RESINOUS INTEGRAL BASE	MANUF: TO MATCH RES-1 STYLE:TO MATCH RES-1 COLOR: TO MATCH RES-1 SIZE: 4"
MT-X METAL TRANSITION	MANUF: SCHULTER STYLE: REFER TO FLOORING TRANSITION DETAILS COLOR: BRUSHED ALUMINUM
RB-1 RUBBER BASE	MANUF: TARKETT STYLE: COVED COLOR: 39 PETWER CG SIZE: 4"
SC SEALED CONCRETE	REFER TO PROJECT SPECIFICATIONS FOR DETAILS. PROVIDE SAW CUTS EVERY 10' IN CONCRETE FLOORING. COORDINATE JOINT DEPTHS WITH SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO PROVIDE A SAW CUT PLAN FOR ARCHITECT'S REVIEW.

PAINT LEGEND & SCHEDULE

PNT-1	FIELD PAINT	MANUF: SHERWIN WILLIAMS COLOR: SW 7063 NEBULOUS WHITE SHEEN: REFER TO LOCATION
PNT-2	ACCENT COLOR	MANUF: SHERWIN WILLIAMS COLOR: SW6866 HEARTTHROB RED SHEEN: REFER TO LOCATION
PNT-3	DOORS AND FRAMES	MANUF: SHERWIN WILLIAMS COLOR: SW 7067 CITYSCAPE SHEEN: REFER TO LOCATION



4 FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0" A-200



1 FIRST FLOOR FINISH PLAN
1/8" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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DATE _____

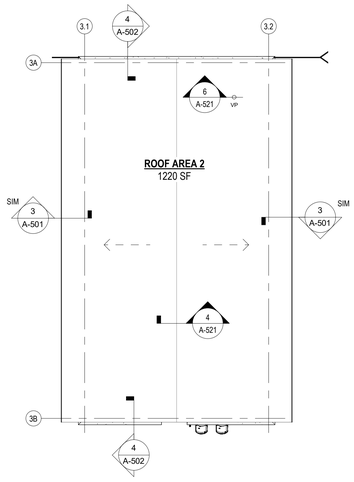
REVISIONS

NO.	DESCRIPTION	DATE

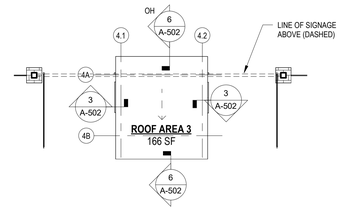
PROJECT NUMBER 223050.00
DATE OF ISSUE 11.06.2023
DRAWN BY
CHECKED BY

FINISH AND REFLECTED CEILING PLANS

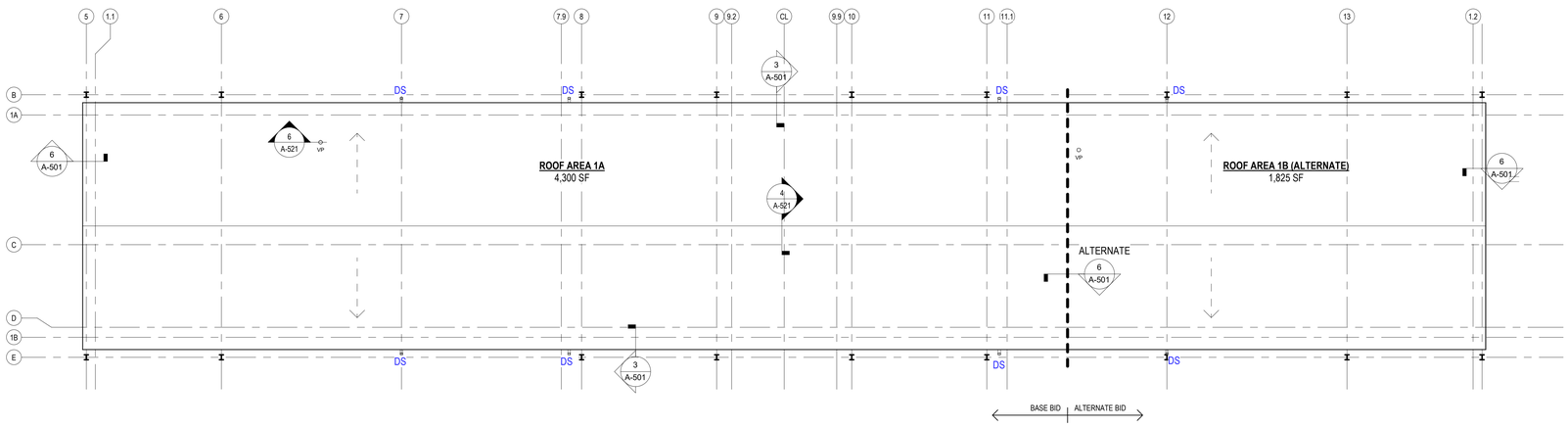
AF101
PHASE 2 - BIDDING



3 ROOF PLAN - RESTROOM BUILDING
1/8" = 1'-0" A-200



2 ROOF PLAN - TICKET BOOTH
1/8" = 1'-0" A-200



1 ROOF PLAN - CONCESSIONS & LOCKER ROOMS
1/8" = 1'-0" A-200

ROOF PLAN LEGEND

	AREA OF SLOPED STRUCTURE
	METAL COPING AND JOINT - REFER TO DETAILS 5/A-521 (HORIZONTAL) AND 6/A-521 (VERTICAL)
VP	VENT PIPE ROOF PENETRATION
DSN	DOWNSPOUT NOZZLE
DS	DOWNSPOUT
	EXPANSION JOINT ASSEMBLY

GENERAL ROOF NOTES

1. ALL ROOF PENETRATIONS, INCLUDING VENT STACKS, ROOF CURBS, AND PIPE SUPPORT CURBS ARE TO BE A MINIMUM OF 8" ABOVE THE ROOF MEMBRANE SURFACE.
2. FIELD VERIFY ALL CONDITIONS PRIOR TO SUBMITTING SHOP DRAWINGS.
3. ALL COUNTERFLASHING, ROOF EDGE, AND MISC. METAL FLASHING PIECES ARE TO HAVE SEALANT APPLIED AT THEIR END CONDITIONS.
4. ALL EXPOSED FASTENERS TO BE CORROSION RESISTIVE, HAVE NEOPRENE WASHERS, AND BE COVERED W/ SEALANT FOLLOWING ARCHITECT'S APPROVAL.
5. APPLY MEMBRANE MANUFACTURER'S SEALANT OVER FASTENER HEADS AT BASE FLASHING SECUREMENT.
6. PROVIDE COUNTERFLASHING FOR ALL VERTICAL FLANGES ON ENDWALL FLASHING PIECES.
7. ALL WOOD BLOCKING TO BE MITERED AND SCREWED, UNLESS NOTED OTHERWISE.
8. ALL COPING JOINTS TO ALIGN WITH CENTER OF METAL PANEL JOINTS AND MULLIONS, UNLESS NOTED OTHERWISE.

ROOF PLAN FLASHING NOTES

1. ALL FLASHING FLANGES ARE TO BE SET IN SEALANT.
2. ISOMETRIC DRAWINGS ARE DIAGRAMMATIC.
3. FOLLOWING INSTALLATION OF THE FLASHING, APPLY SEALANT TO ALL EXPOSED LEADING EDGES.
4. ALL SCREW ANCHOR LOCATIONS TO HAVE PRE-DRILLED 5/16" PILOT HOLES.
5. NON-EXPOSED SCREW ANCHORS INTO WOOD TO BE NO. 14 X 1-1/2 LONG 18-8 AUSTENITIC STAINLESS STEEL TYPE 304 (**PAINT**) SCREW.
6. EXPOSED SCREW ANCHORS INTO WOOD TO BE NO. 14 X 1-1/2 LONG 18-8 AUSTENITIC STAINLESS STEEL TYPE 304 PAINT SCREW.
7. NON-EXPOSED SCREW ANCHORS INTO MASONRY ARE TO BE 1-1/4" X 3/16" STAINLESS STEEL SELF TAPPING SCREW FASTENERS.
8. EXPOSED SCREW ANCHORS INTO MASONRY ARE TO BE 1-1/4" X 3/16" STAINLESS STEEL SELF TAPPING SCREW FASTENERS WITH CLIMASEAL CORROSION RESISTIVE COATING AND NEOPRENE WASHERS.
9. EXPOSED SCREW FASTENERS INTO SHEET METAL TO BE 3/4" X 1/4" TEKS 1 WITH NEOPRENE WASHERS.
10. FIELD VERIFY ALL CONDITIONS PRIOR TO FABRICATION.
11. ALL EXPOSED SCREW FASTENERS ARE TO BE COVERED WITH SEALANT UNLESS NOTED OTHERWISE.

ROOF DEMOLITION NOTES

ROOF AREA: 2 (1,220 SF)
EXISTING SLOPED WOOD DECK

1. REMOVE EXISTING FASCIAS, COUNTERFLASHINGS, GUTTERS, DOWNSPOUTS AND SOFFITS.
2. REMOVE EXISTING ASPHALT SHINGLE ROOFING
3. REMOVE EXISTING VAPOR BARRIER

ROOF CONSTRUCTION NOTES

ROOF AREA: 1A, 1B, & 3 (6,290 SF)
WOOD DECK

1. PROVIDE HIGH TEMP VAPOR BARRIER
2. PROVIDE STANDING SEAM ROOF SYSTEM
3. PROVIDE 24 GA STEEL FASCIAS, COUNTERFLASHINGS, GUTTERS AND DOWNSPOUTS

ROOF AREA: 2 (1,220 SF)
EXISTING WOOD DECK

1. REPAIR / REPLACE DAMAGED ROOF EDGE BLOCKING. ADD ADDITIONAL BLOCKING TO MEET NEW EDGE CONDITION.
2. REPAIR / REPLACE DAMAGED PLYWOOD SHEATHING.
3. PROVIDE HIGH TEMP VAPOR BARRIER
4. PROVIDE STANDING SEAM ROOF SYSTEM
5. PROVIDE 24 GA STEEL FASCIAS, COUNTERFLASHINGS, GUTTERS AND DOWNSPOUTS

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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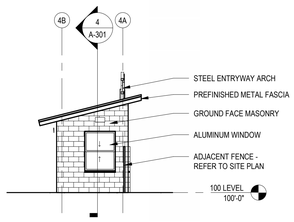
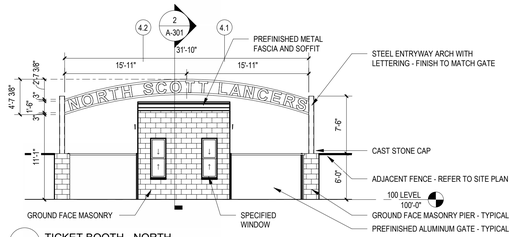
ROOF PLANS

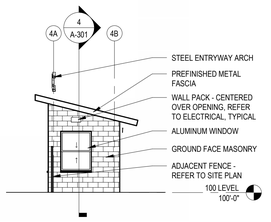
AR101
PHASE 2 - BIDDING



15 TICKET BOOTH - EAST
1/8" = 1'-0" A-101



10 TICKET BOOTH - NORTH
1/8" = 1'-0" A-101



7 TICKET BOOTH - WEST
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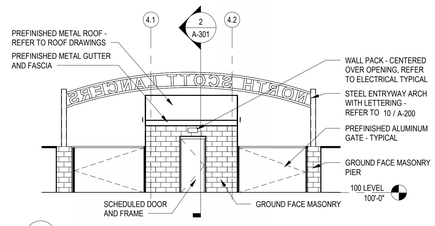
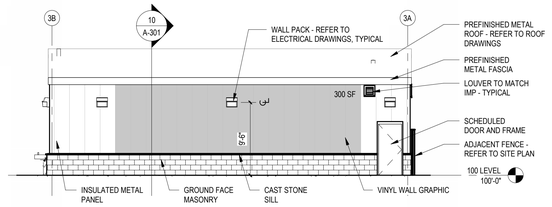
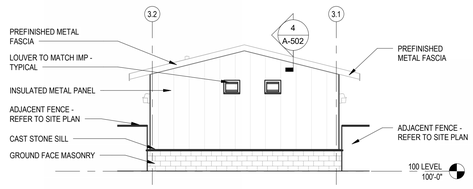


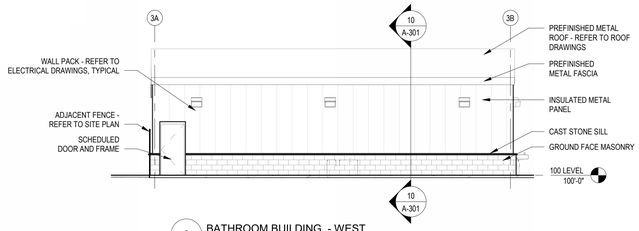
5 TICKET BOOTH - SOUTH
1/8" = 1'-0" A-101



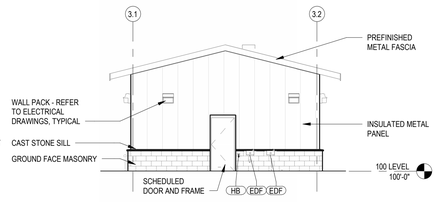
14 BATHROOM BUILDING - EAST
1/8" = 1'-0" A-404



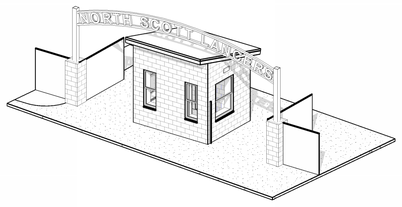
9 BATHROOM BUILDING - NORTH
1/8" = 1'-0" A-404



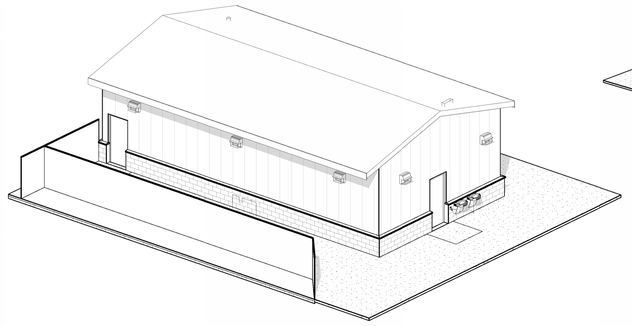
6 BATHROOM BUILDING - WEST
1/8" = 1'-0" A-404



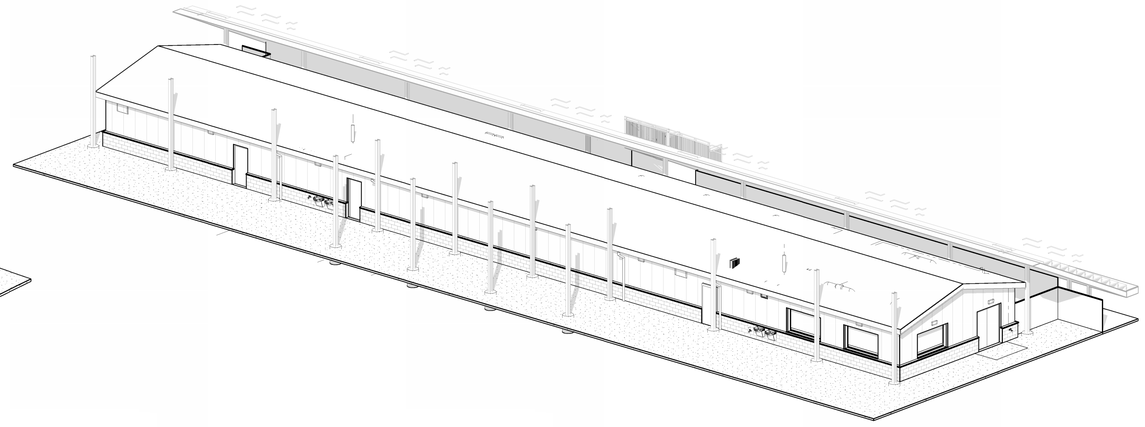
4 BATHROOM BUILDING - SOUTH
1/8" = 1'-0" A-404



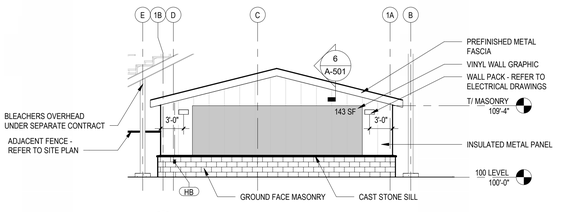
13 TICKET BOOTH AXON- NORTH EAST



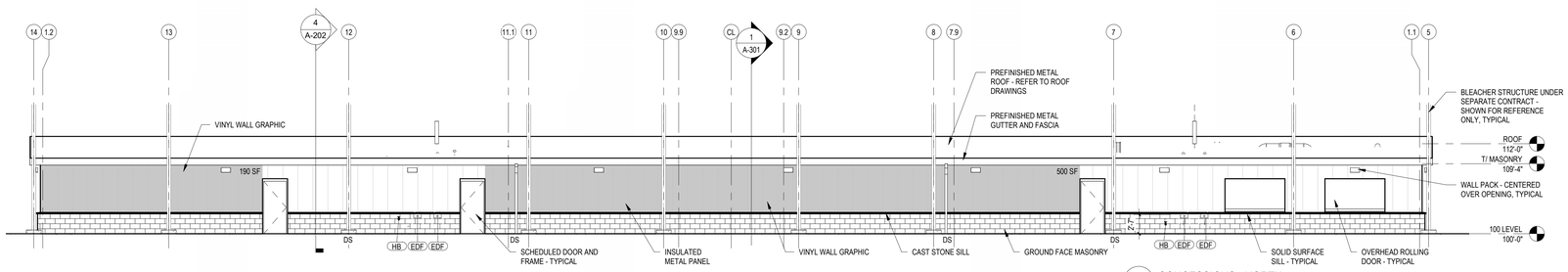
8 BATHROOM BUILDING AXON - SOUTHWEST



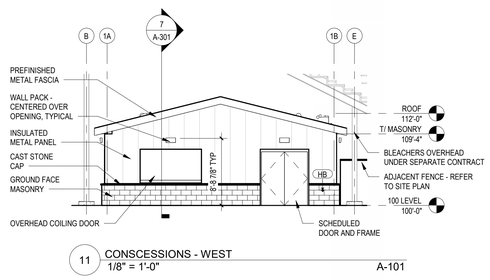
3 CONCESSIONS AXON - WEST



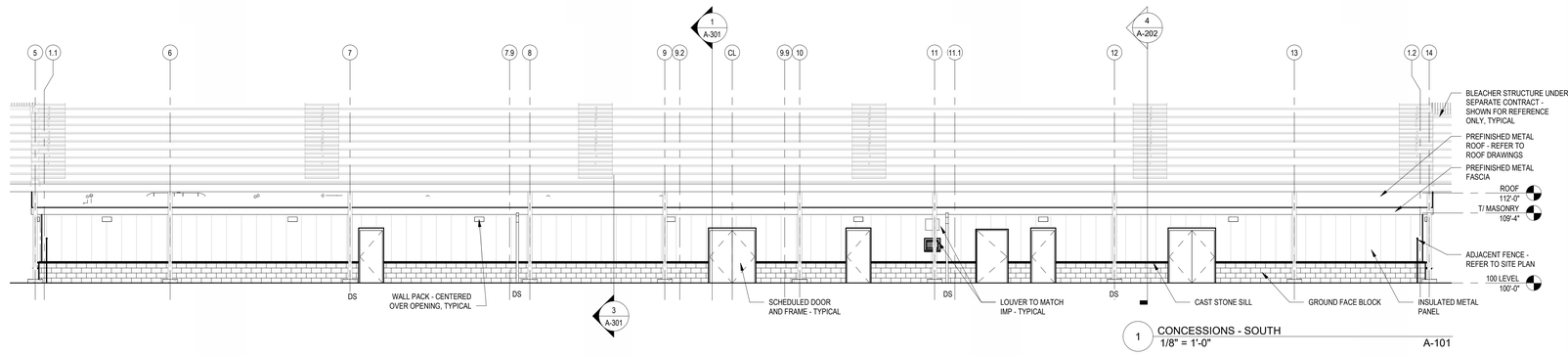
12 CONCESSIONS - EAST
1/8" = 1'-0" A-101



2 CONCESSIONS - NORTH
1/8" = 1'-0" A-101



11 CONSCESSIONS - WEST
1/8" = 1'-0" A-101



1 CONCESSIONS - SOUTH
1/8" = 1'-0" A-101

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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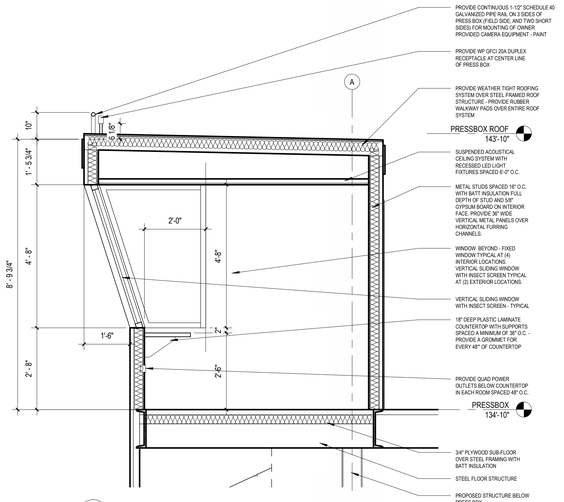
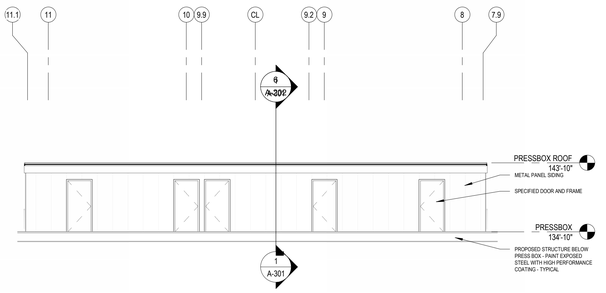
EXTERIOR BUILDING ELEVATIONS

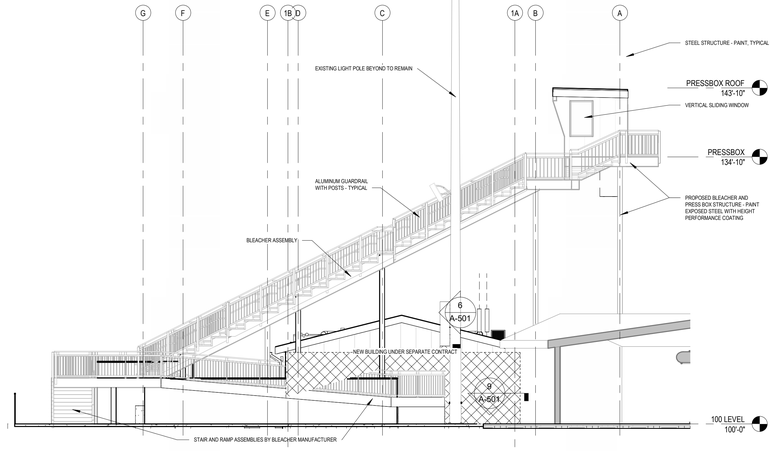
A-200
PHASE 2 - BIDDING



7 PRESS BOX SECTION
1/2" = 1'-0" 1A A-202



5 NORTH ELEVATION - PRESS BOX
1/8" = 1'-0" A-102



3 EAST & WEST ELEATION
1/8" = 1'-0" A-102

6 BLEACHER SECTION
1/8" = 1'-0" A-010

4 BLEACHER SECTION
1/8" = 1'-0" A-010

2 BLEACHER SECTION
1/8" = 1'-0" A-010

1 SOUTH ELEVATION - BLEACHERS
3/32" = 1'-0" A-010

WORK UNDER SEPARATE CONTRACT DRAWING INCLUDED FOR REFERENCE ONLY

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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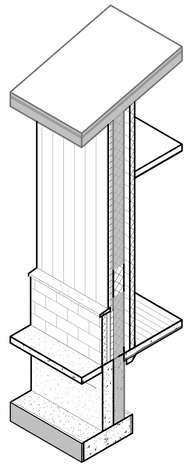
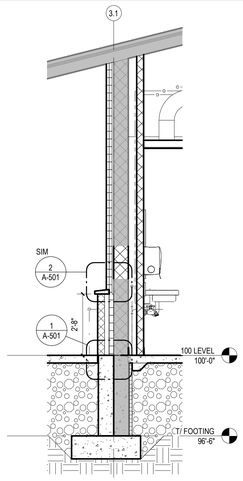
EXTERIOR ELEVATIONS & SECTIONS - BLEACHERS (FOR REFERENCE)

A-202

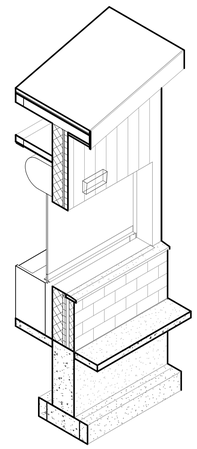
PHASE 2 - BIDDING



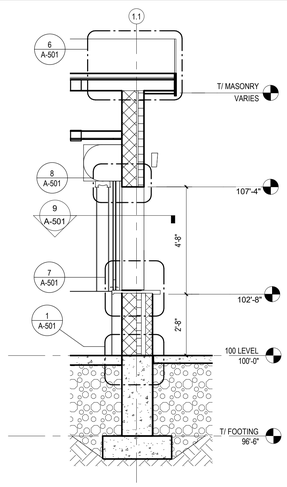
12 AXON - PUBLIC BATHROOM



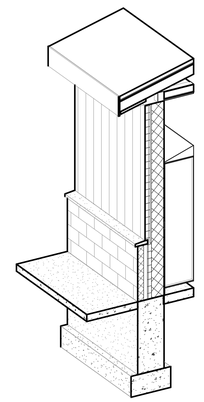
11 WALL SECTION - PUBLIC BATHROOM
3/8" = 1'-0"
A-301



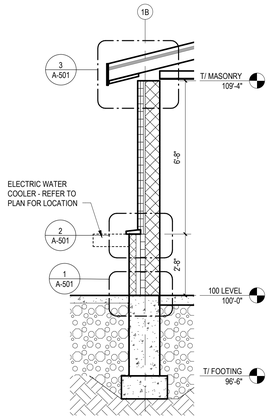
8 AXON - CONCESSION



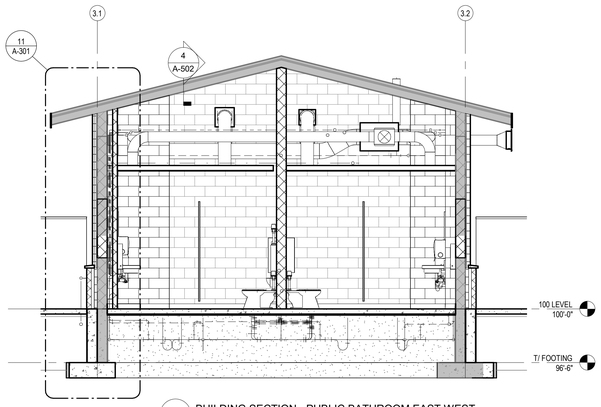
7 WALL SECTION - CONCESSION AT GABLE END
3/8" = 1'-0"
A-101



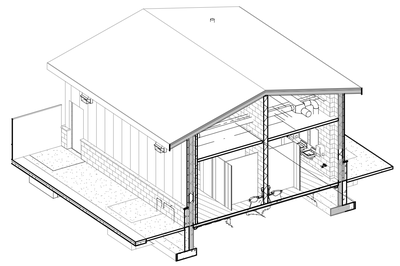
5 AXON - STORAGE



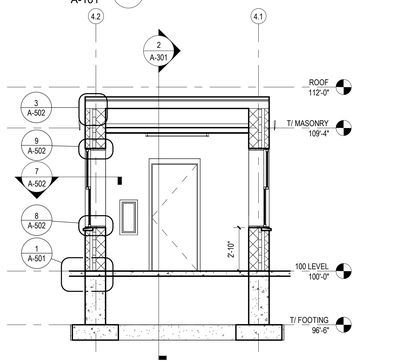
3 WALL SECTION - CONCESSIONS AT LOW
3/8" = 1'-0"
A-101



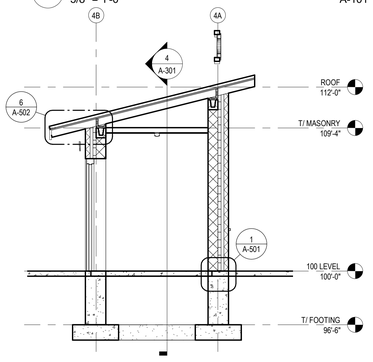
10 BUILDING SECTION - PUBLIC BATHROOM EAST WEST
1/4" = 1'-0"
A-010



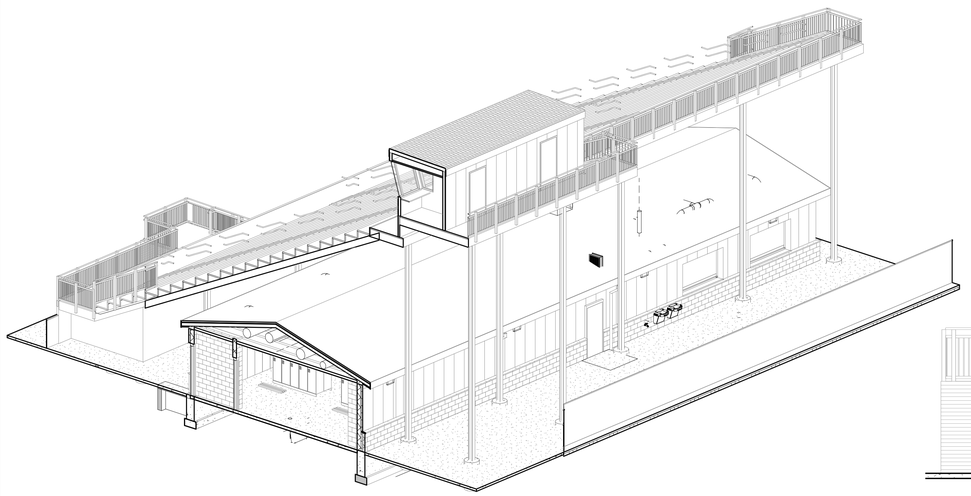
6 SECTION AXON - PUBLIC BATHROOM EAST WEST



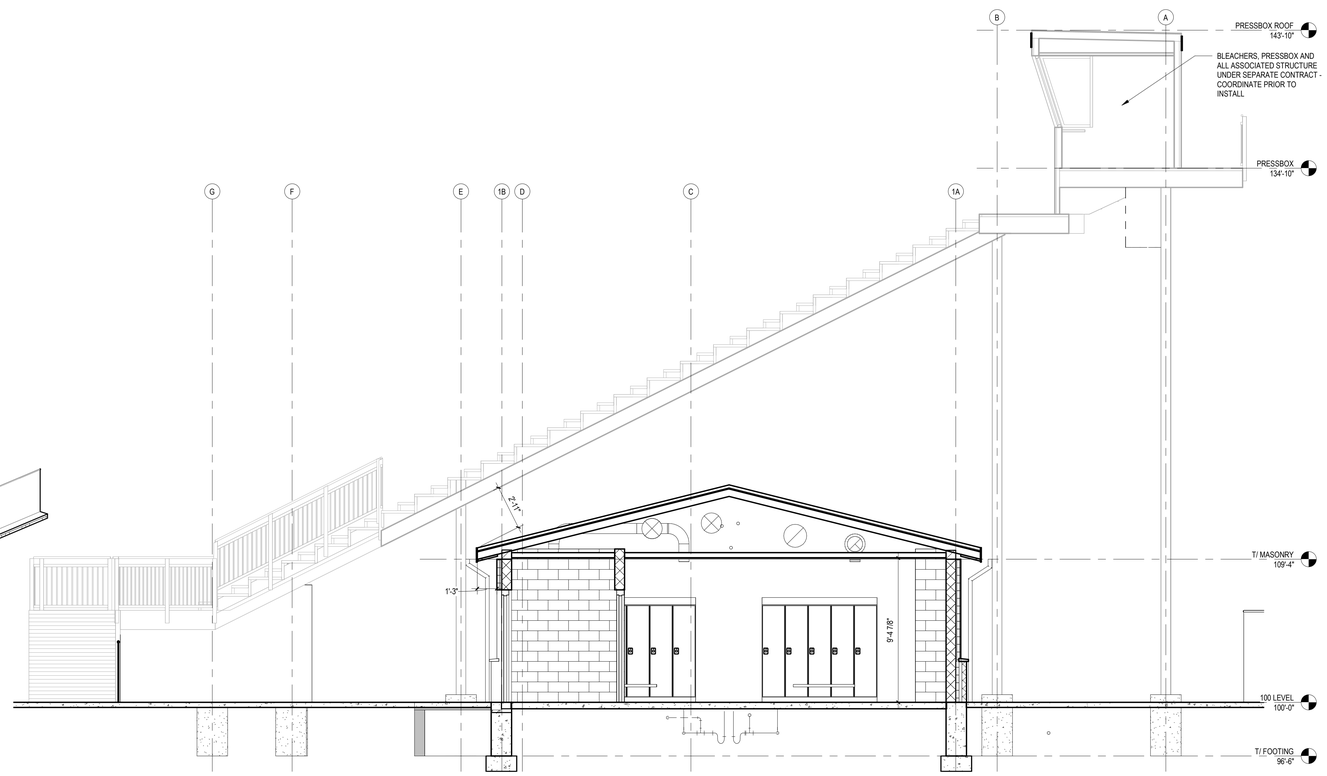
4 WALL SECTION - TICKET BOOTH
1/4" = 1'-0"
A-101



2 TICKET BOOTH - NORTH SOUTH
1/4" = 1'-0"
A-101



9 AXON SECTION - CONCESSIONS NORTH SOUTH



1 BUILDING SECTION - CONCESSIONS NORTH SOUTH
1/4" = 1'-0"
A-010

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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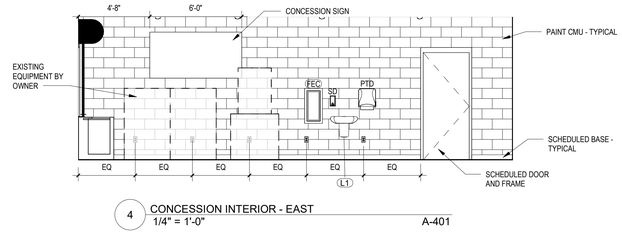
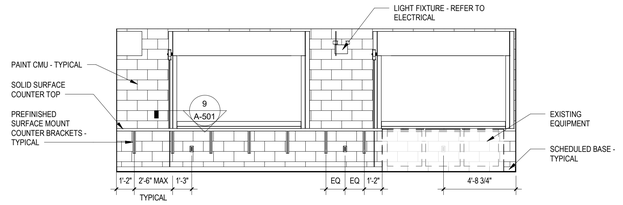
BUILDING & WALL SECTIONS

A-301

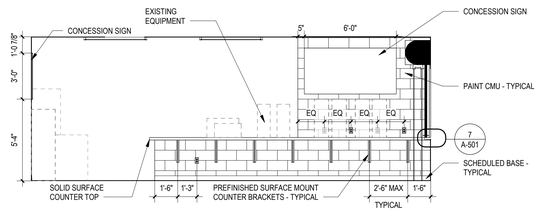
PHASE 2 - BIDDING



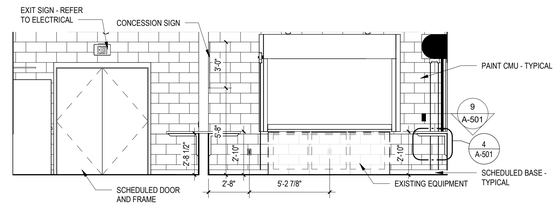
4 CONCESSION INTERIOR - EAST
1/4" = 1'-0" A-401



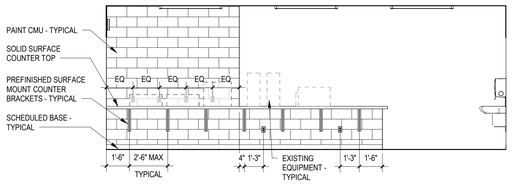
3 CONCESSIONS INTERIOR - NORTH
1/4" = 1'-0" A-401



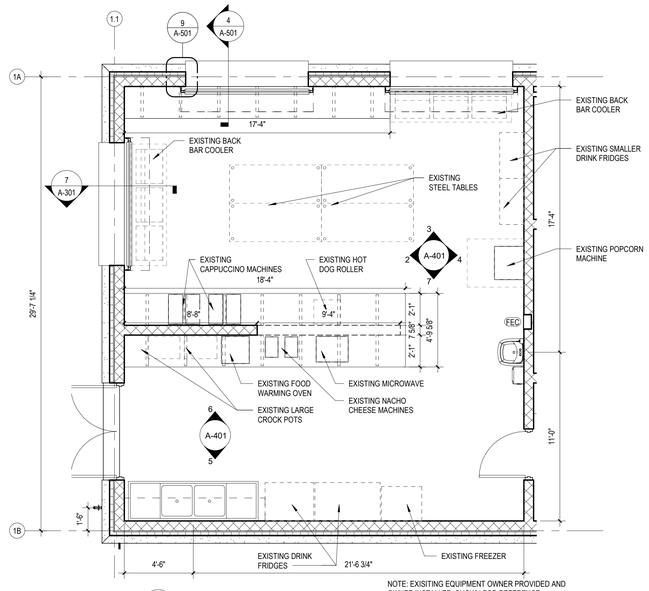
7 CONCESSION INTERIOR - PARTIAL WALL - SOUTH
1/4" = 1'-0" A-401



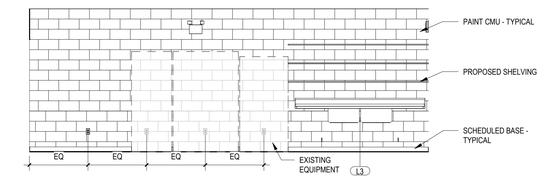
2 CONCESSION INTERIOR - WEST
1/4" = 1'-0" A-401



6 CONCESSION INTERIOR - PARTIAL WALL - NORTH
1/4" = 1'-0" A-401



1 ENLARGED PLAN - CONCESSIONS
1/4" = 1'-0" A-101



5 CONCESSION INTERIOR - SOUTH
1/4" = 1'-0" A-401

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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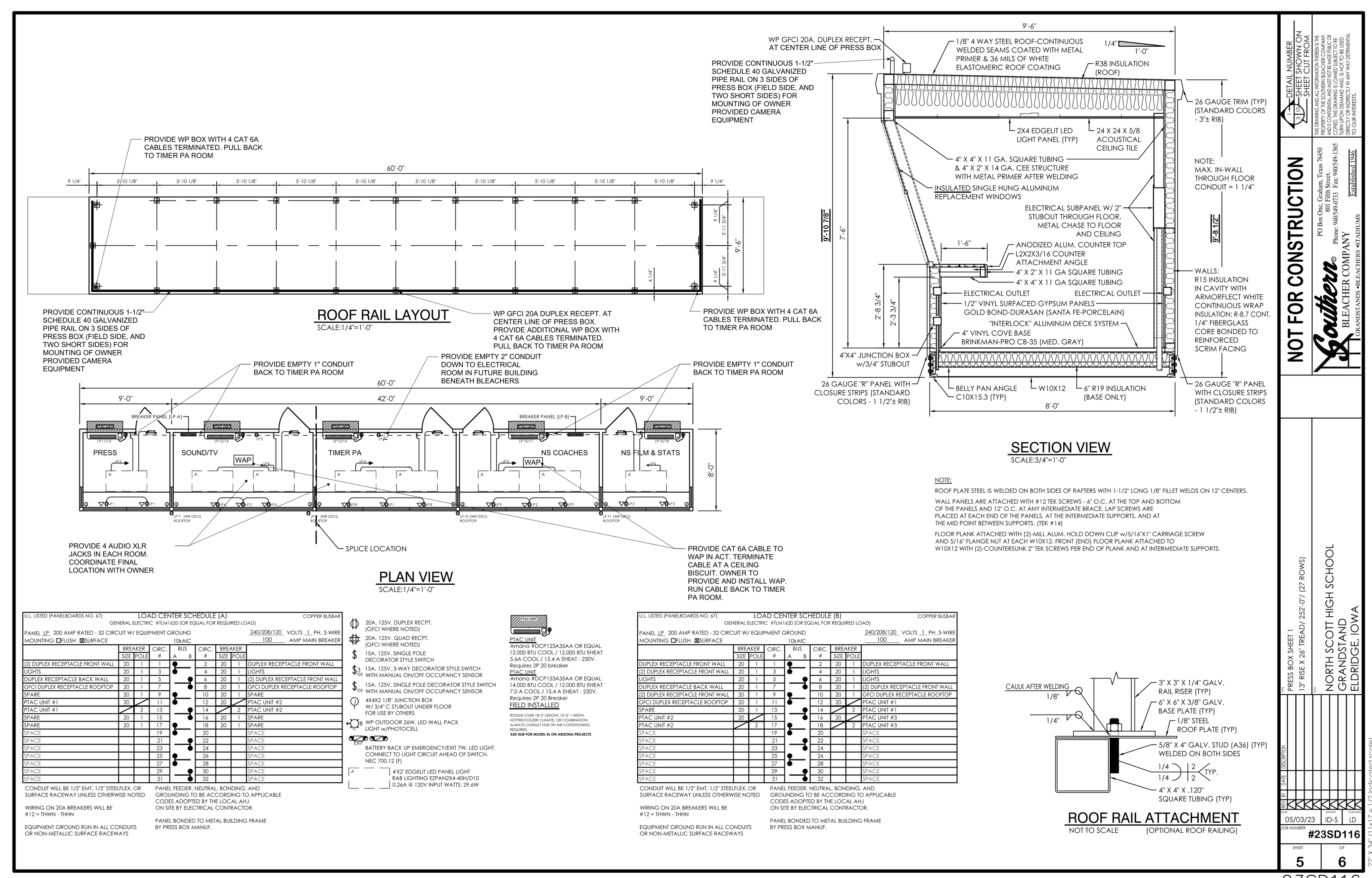
ENLARGED CONCESSION PLANS

A-401
PHASE 2 - BIDDING



23SD116

WORK UNDE SEPARATE CONTRACT DRAWING INCLUDED FOR REFERENCE ONLY

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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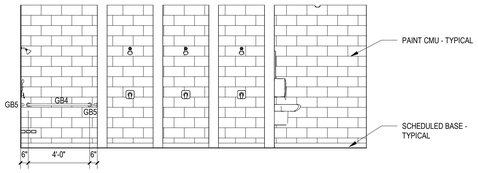
CHECKED BY	ZC

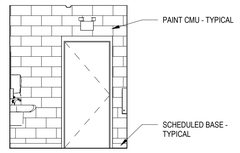
ENLARGED PRESSBOX PLANS (FOR REFERENCE)

A-402
PHASE 2 - BIDDING

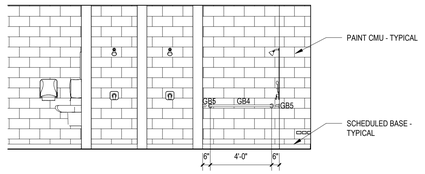
ARCHITECTURAL PLAN NOTES	
NOTE	DESCRIPTION
N03.01	INFILL CONCRETE SLAB REMOVED FOR UNDERGROUND WORK. PREP CONCRETE FOR FLOOR FINISH AS INDICATED ON FINISH PLAN. REFER TO PLUMBING AND MECHANICAL DRAWINGS FOR EXTENT OF UNDERGROUND WORK.
N04.04	INFILL MASONRY OPENING WITH CONCRETE BLOCK. TOOTH IN WHOLE UNITS
N04.06	PROVIDE 8" CONCRETE BLOCK PARTITIONS AND MASONRY OPENING WITH NON-LOAD BEARING STEEL LINTEL OR BONDBEAM. REFER TO STRUCTURAL DRAWINGS. TOOTH-IN WHOLE UNITS
N04.08	PROVIDE 4" CONCRETE BLOCK PARTITIONS AND MASONRY OPENING WITH NON-LOAD BEARING STEEL LINTEL OR BONDBEAMS. REFER TO STRUCTURAL DRAWINGS. TOOTH-IN WHOLE UNITS
N04.11	REMOVE AND REPLACE DAMAGED EXISTING CONCRETE BLOCK AFTER WALL DEMOLITION.
N09.48	INSTALL FLOOR DRAIN – REFER TO PLUMBING DRAWINGS
N09.49	PATCH CONCRETE SLAB AROUND FLOOR DRAIN – VERIFY EXISTING FLOOR SLOPE IS PITCHED APPROPRIATELY TOWARDS EXISTING DRAIN LOCATION – PROVIDE NEW PITCH AS REQUIRED FOR NEW WORK.
N22.05	PROVIDE NEW PLUMBING FIXTURES. VERIFY FIXTURE TYPE WITH OWNER BEFORE PLACEMENT. REFER TO PLUMBING DRAWINGS.
N32.01	PROVIDE TRASH RECEPTACLE
N32.02	PROVIDE RECYCLING RECEPTACLE



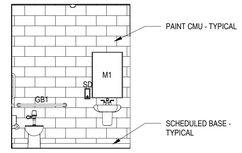
15 INTERIOR ELEVATION - HOME SHOWERS
1/4" = 1'-0" A-403



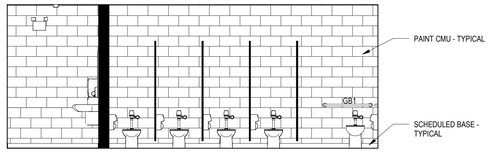
11 INTERIOR ELEVATION - FAMILY BATHROOM NORTH
1/4" = 1'-0" A-403



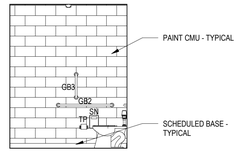
8 INTERIOR ELEVATION - AWAY SHOWERS
1/4" = 1'-0" A-403



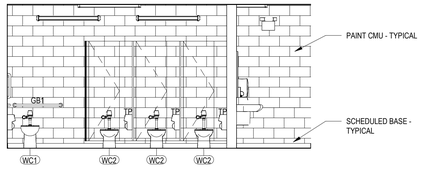
4 INTERIOR ELEVATION - COACH TOILET NORTH
1/4" = 1'-0" A-403



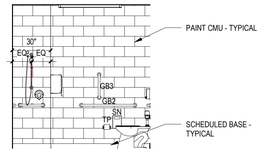
14 INTERIOR ELEVATION - HOME TOILETS
1/4" = 1'-0" A-403



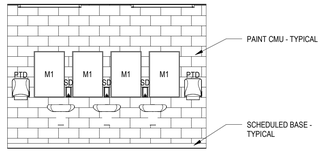
10 INTERIOR ELEVATION - FAMILY BATHROOM SOUTH
1/4" = 1'-0" A-403



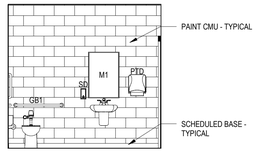
7 INTERIOR ELEVATION - AWAY TOILETS
1/4" = 1'-0" A-403



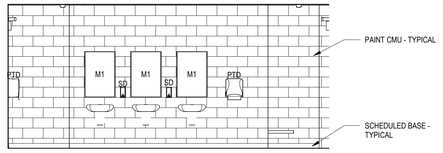
3 INTERIOR ELEVATION - COACH TOILET WEST
1/4" = 1'-0" A-403



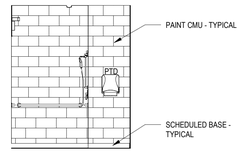
13 INTERIOR ELEVATION - HOME SINKS
1/4" = 1'-0" A-403



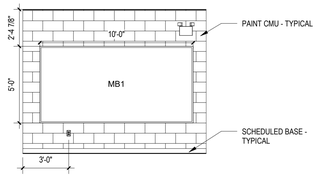
9 INTERIOR ELEVATION - FAMILY BATHROOM WEST
1/4" = 1'-0" A-403



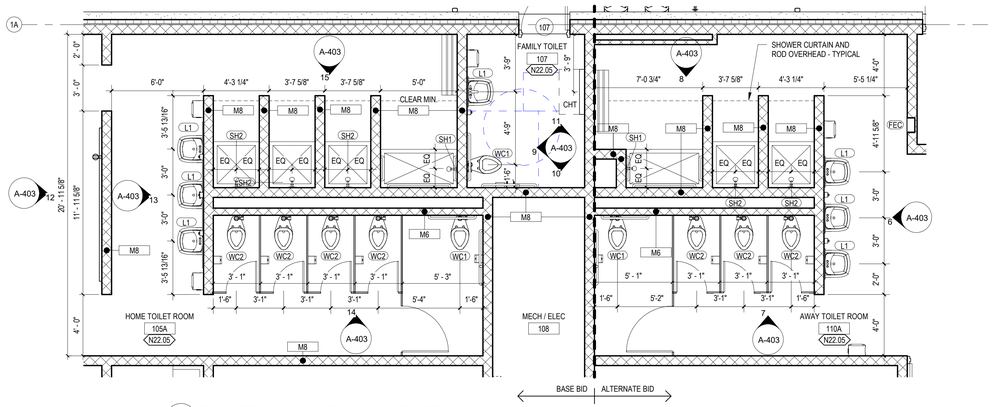
6 INTERIOR ELEVATION - AWAY SINKS
1/4" = 1'-0" A-403



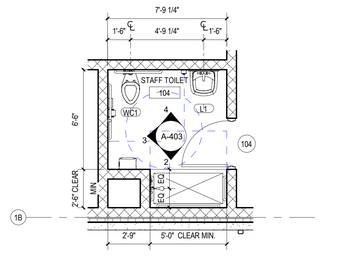
2 INTERIOR ELEVATION - COACH TOILET SOUTH
1/4" = 1'-0" A-403



12 MARKERBOARD WALL - MN
1/4" = 1'-0" A-102



5 ENLARGED PLAN - LOCKER & FAMILY TOILETS
1/4" = 1'-0" A-101



1 ENLARGED PLAN - COACH TOILET
1/4" = 1'-0" A-101

LEGAT ARCHITECTS
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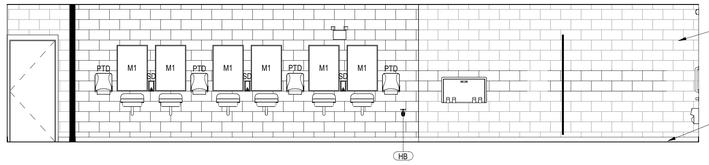
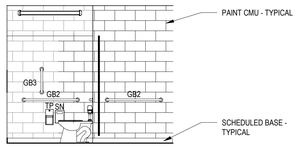
ENLARGED LOCKER ROOM PLANS, ELEVATIONS & DETAILS

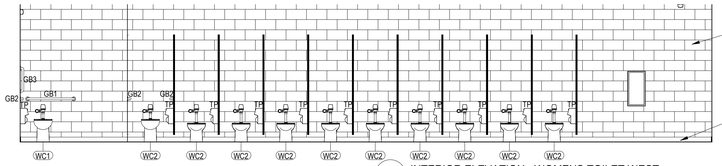
A-403
PHASE 2 - BIDDING



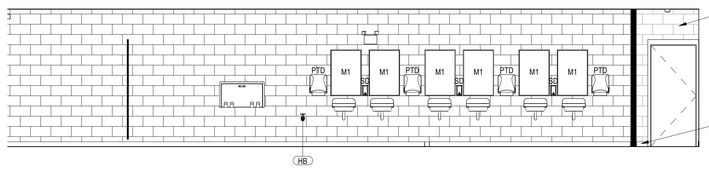
8 INTERIOR ELEVATION - WOMENS TOILET EAST
1/4" = 1'-0" A-404



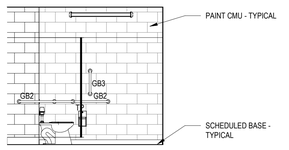
7 WOMENS TOILET INTERIOR - SOUTH
1/4" = 1'-0" A-404



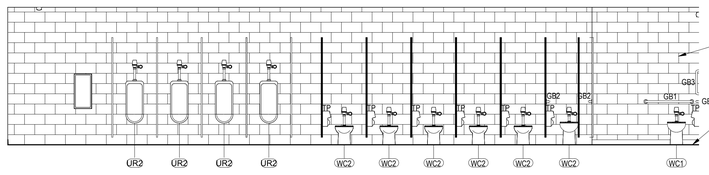
6 INTERIOR ELEVATION - WOMENS TOILET WEST
1/4" = 1'-0" A-404



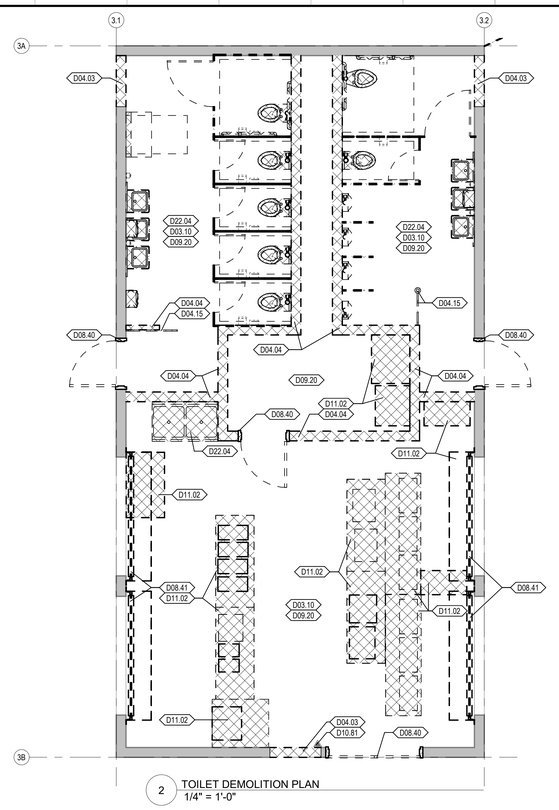
5 INTERIOR ELEVATION - MENS TOILET WEST
1/4" = 1'-0" A-404



4 MENS TOILET INTERIORS - SOUTH
1/4" = 1'-0" A-404

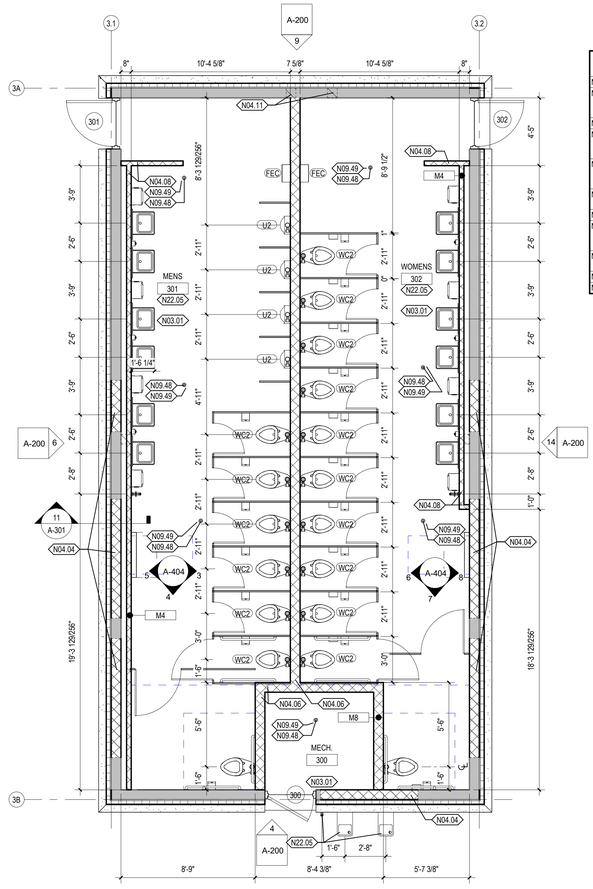


3 MENS TOILET INTERIORS - EAST
1/4" = 1'-0" A-404



2 TOILET DEMOLITION PLAN
1/4" = 1'-0"

DEMOLITION NOTES	
NOTE	DESCRIPTION
03.10	REMOVE EXISTING CONCRETE FLOOR SLAB AS REQUIRED TO ACCOMMODATE UNDERGROUND WORK. REFER TO PLUMBING, ELECTRICAL, AND STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.
04.03	REMOVE EXISTING CONCRETE BLOCK AS REQUIRED TO ACCOMIDATE NEW OPENING. COORDINATE SAWCUT OPENING – TOOTH IN WHOLE UNITS AT DEMOED WALL. BULLNOSE CMU AT NEW OPENING AS REQUIRED. PREP AND PREPARE FOR NEW LINTEL OR BONDBEAM AS REQUIRED. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
04.04	REMOVE EXISTING CONCRETE BLOCK WALL IN ITS ENTIRITY. PREPARE ADJACENT WALLS TO REMAIN FOR NEW WORK.
04.15	REMOVE EXISTING WALL PARTITION AND CONNECTED SUPPORTS.
08.40	REMOVE EXISTING WOOD OR STEEL DOOR AND HARDWARE. PREP AND PREPARE FOR CMU INFILL WALL
08.41	REMOVE EXISTING OVERHEAD DOOR AND HARDWARE. PREP AND PREPARE FOR CMU INFILL WALL
09.20	REMOVE EXISTING GYP BOARD CEILING SYSTEM, LIGHTS, DIFFUSERS, GRILLES, AND ALL CEILING MOUNTED DEVICES. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
10.81	REMOVE EXISTING FIRE EXTINGUISHER AND WALL MOUNT BRACKET. SALVAGE FOR REINSTALLATION.
11.02	REMOVE AND SALVAGE EXISTING CONCESSION EQUIPMENT FOR REINSTALLATION.
22.04	REMOVE EXISTING PLUMBING FIXTURE AND ASSESSORIES. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.



1 ENLARGED TOILET PLAN
1/4" = 1'-0" A-010

ARCHITECTURAL PLAN NOTES	
NOTE	DESCRIPTION
N03.01	INFILL CONCRETE SLAB REMOVED FOR UNDERGROUND WORK. PREP CONCRETE FOR FLOOR FINISH AS INDICATED ON FINISH PLAN. REFER TO PLUMBING AND MECHANICAL DRAWINGS FOR EXTENT OF UNDERGROUND WORK.
N04.04	INFILL MASONRY OPENING WITH CONCRETE BLOCK. TOOTH IN WHOLE UNITS
N04.06	PROVIDE 8" CONCRETE BLOCK PARTITIONS AND MASONRY OPENING WITH NON-LOAD BEARING STEEL LINTEL OR BONDBEAM. REFER TO STRUCTURAL DRAWINGS. TOOTH-IN WHOLE UNITS
N04.08	PROVIDE 4" CONCRETE BLOCK PARTITIONS AND MASONRY OPENING WITH NON-LOAD BEARING STEEL LINTEL OR BONDBEAMS. REFER TO STRUCTURAL DRAWINGS. TOOTH-IN WHOLE UNITS
N04.11	REMOVE AND REPLACE DAMAGED EXISTING CONCRETE BLOCK AFTER WALL DEMOLITION.
N09.48	INSTALL FLOOR DRAIN – REFER TO PLUMBING DRAWINGS
N09.49	PATCH CONCRETE SLAB AROUND FLOOR DRAIN – VERIFY EXISTING FLOOR SLOPE IS PITCHED APPROPRIATELY TOWARDS EXISTING DRAIN LOCATION – PROVIDE NEW PITCH AS REQUIRED FOR NEW WORK.
N22.05	PROVIDE NEW PLUMBING FIXTURES. VERIFY FIXTURE TYPE WITH OWNER BEFORE PLACEMENT. REFER TO PLUMBING DRAWINGS.
N32.01	PROVIDE TRASH RECEPTACLE
N32.02	PROVIDE RECYCLING RECEPTACLE

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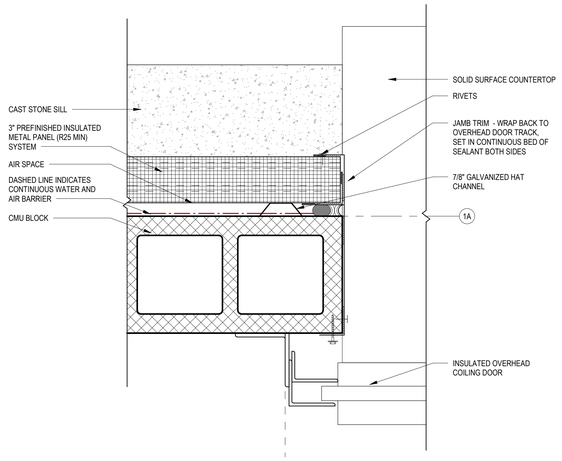
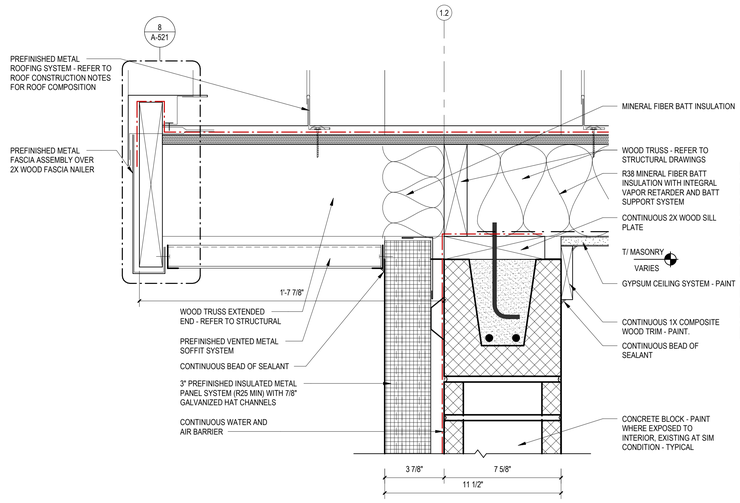
ENLARGED TOILET ROOM PLANS, ELEVATIONS & DETAILS

A-404

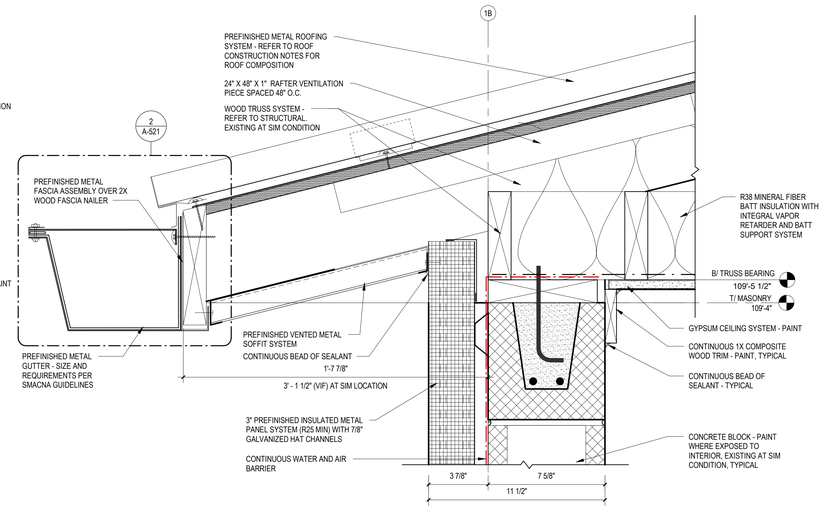
PHASE 2 - BIDDING



9 OVERHEAD ROLLING DOOR JAMB DETAIL
3" = 1'-0" A-202

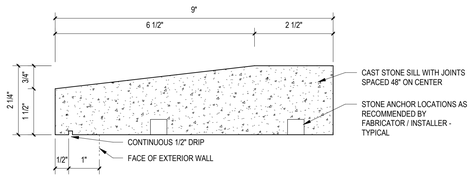


6 ROOF DETAIL AT RAKE END
3" = 1'-0" A-101

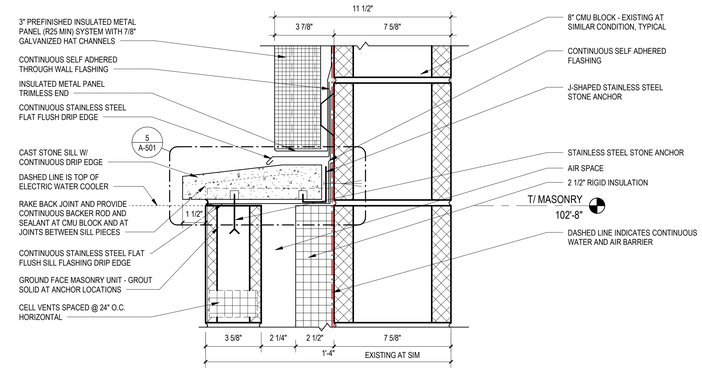


3 ROOF DETAIL AT EAVES
3" = 1'-0" A-301

8 COILING DOOR HEAD DETAIL
3" = 1'-0" A-301

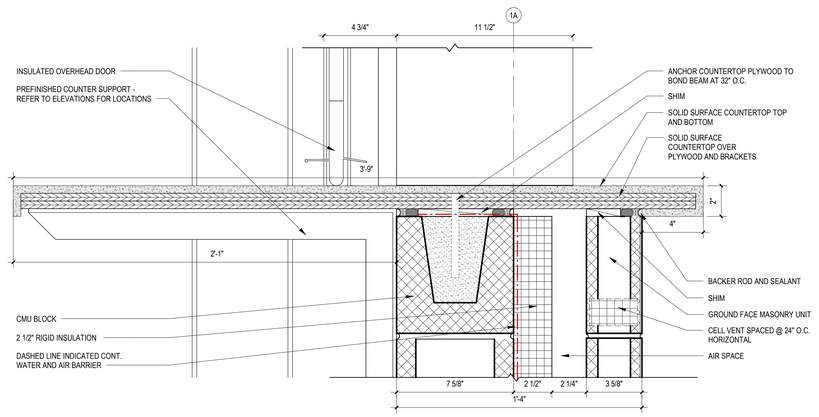


5 TYPICAL STONE SILL
6" = 1'-0" A-501

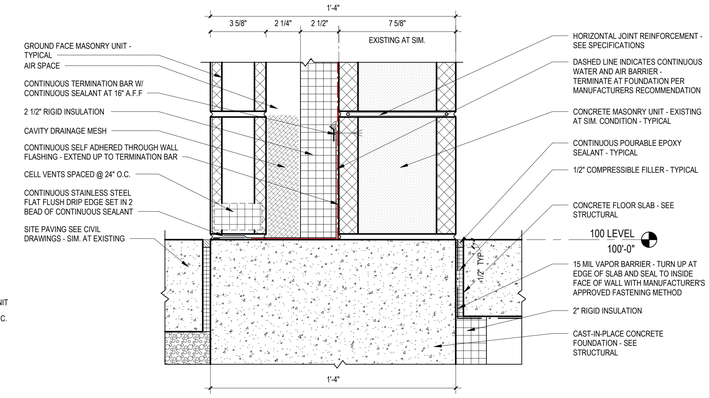


2 BRICK TO IMP TRANSITION DETAIL
3" = 1'-0" A-301

7 OVERHEAD COILING DOOR SILL DETAIL
3" = 1'-0" A-301



4 COILING DOOR SILL DETAIL WITH COUNTER
3" = 1'-0" A-401



1 TYPICAL FOUNDATION DETAIL
3" = 1'-0" A-101

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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SIGNATURE
DATE

REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER	223050.00
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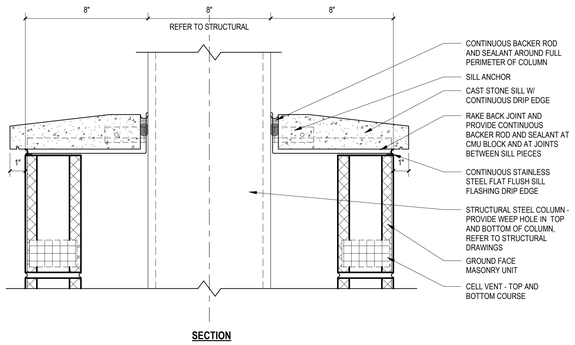
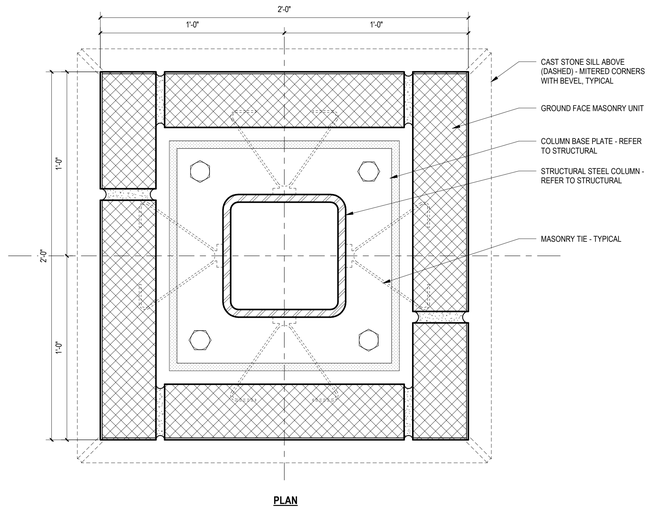
DRAWN BY	JC
CHECKED BY	RW

EXTERIOR DETAILS

A-501
PHASE 2 - BIDDING

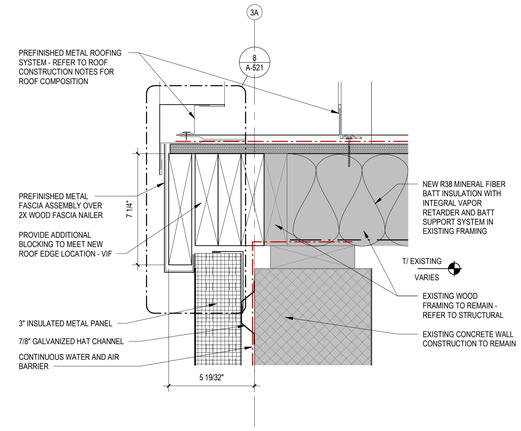


SECTION

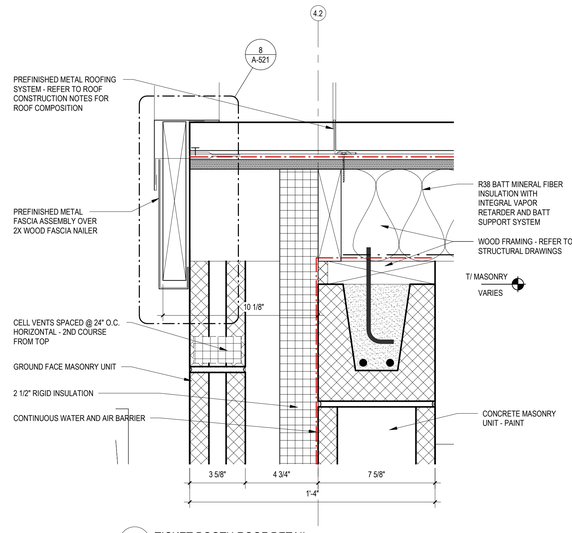


PLAN

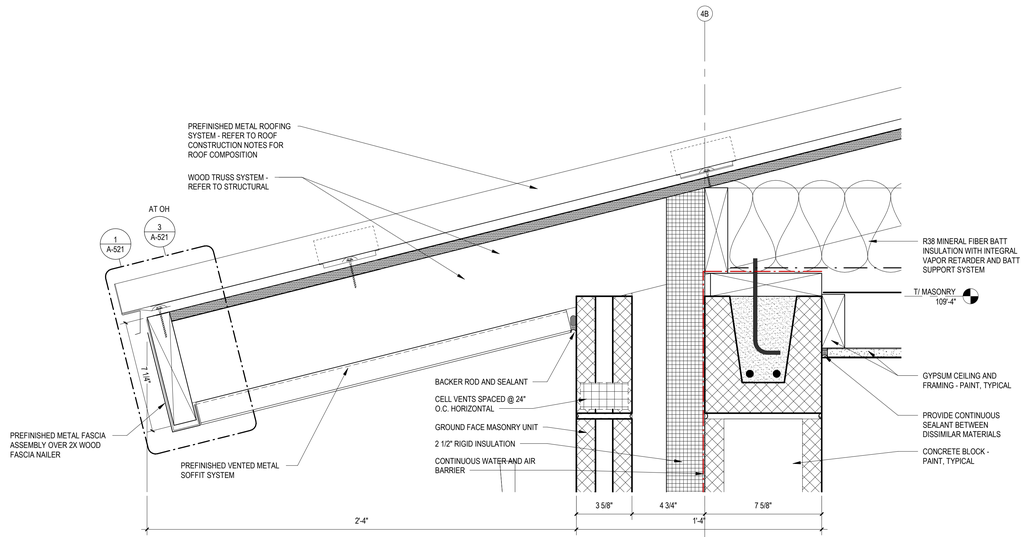
1 MASONRY PIER DETAIL
3" = 1'-0" A-101



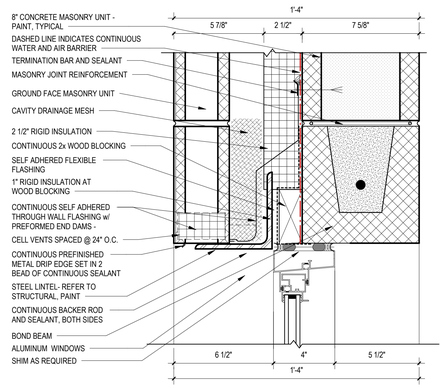
4 RAKE EDGE - BATHROOM BUILDING
3" = 1'-0" A-200



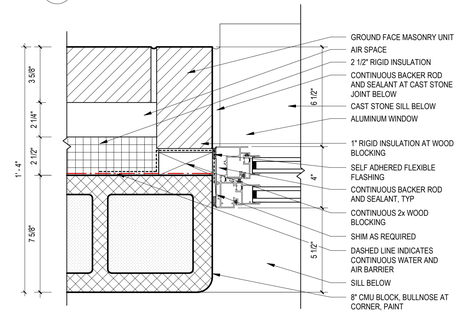
3 TICKET BOOTH ROOF DETAIL
3" = 1'-0" A-301



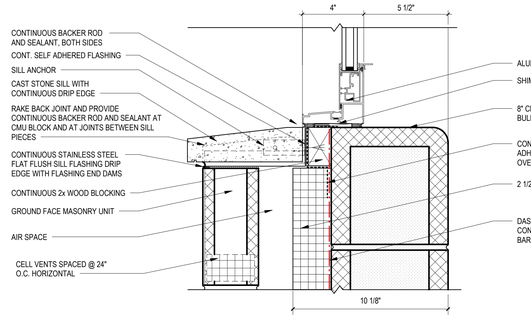
6 TICKET BOOTH ROOF DETAIL LOW
3" = 1'-0" A-301



9 TICKET BOOTH HEAD DETAIL
3" = 1'-0" A-301



7 TICKET BOOTH JAMB DETAIL
3" = 1'-0" A-301



8 TICKET BOOTH SILL DETAIL
3" = 1'-0" A-301

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DATE

REVISIONS

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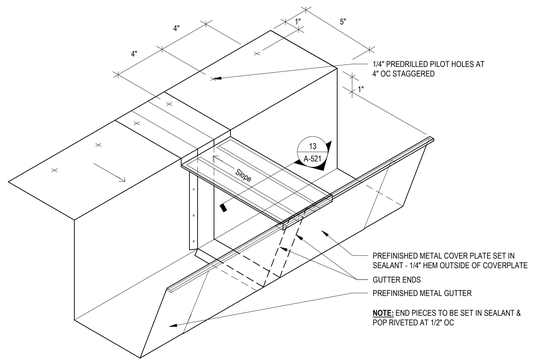
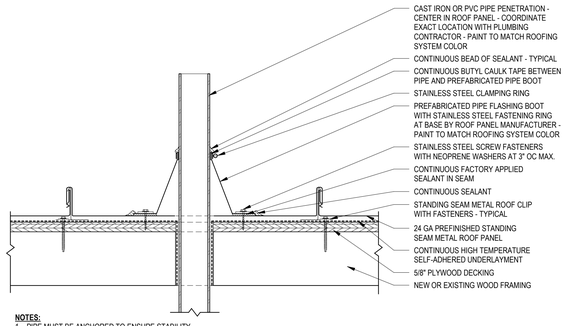
CHECKED BY	JS

EXTERIOR DETAILS

A-502
PHASE 2 - BIDDING

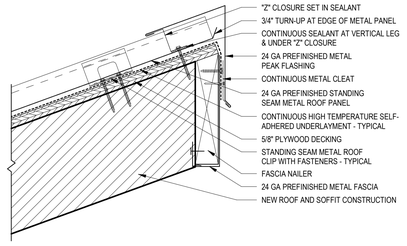


11 GUTTER JOINT DETAIL
3" = 1'-0"

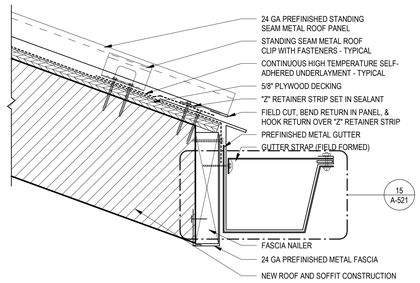


NOTES:
1. PIPE MUST BE ANCHORED TO ENSURE STABILITY.
2. PLUMBING VENT OR PIPE PENETRATION IS TO BE CENTERED BETWEEN STANDING SEAMS.
3. PLUMBING VENT OR PIPE PENETRATION IS TO BE A MINIMUM OF 2'-0" FROM ANY ROOF PANEL LAPS OR ROOF CURBS.
4. PIPE TO EXTEND A MINIMUM OF 8" ABOVE ROOF SURFACE.
5. PRE-MOLDED PIPE FLASHING MAY BE CUT TO HEIGHT, BUT NO LOWER THAN REINFORCING RING (NO WRINKLES OR FOLDS UNDER CLAMPING RING).
6. APPLY LAP SEALANT BETWEEN PENETRATION AND PRE-MOLDED PIPE FLASHING PRIOR TO INSTALLATION OF CLAMPING RING.

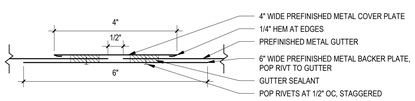
6 VENT PIPE PENETRATION DETAIL
3" = 1'-0" AR101



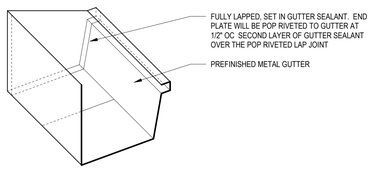
3 ROOF EDGE - PEAK
3" = 1'-0" A-502



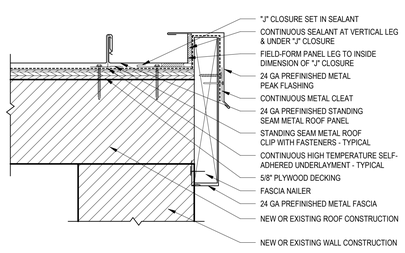
2 ROOF EDGE - GUTTER
3" = 1'-0" A-501



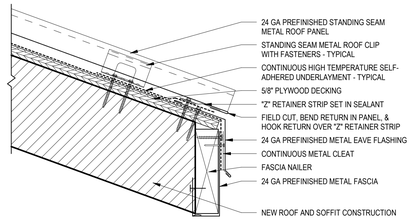
15 HORIZONTAL GUTTER JOINT DETAIL
6" = 1'-0" A-521



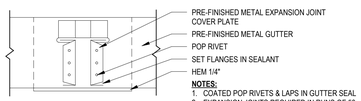
10 GUTTER END DETAIL
3" = 1'-0"



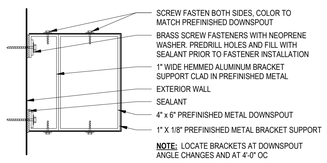
8 ROOF EDGE - RAKE
3" = 1'-0" A-501



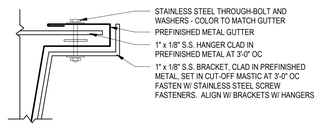
1 ROOF EDGE - EAVE
3" = 1'-0" A-502



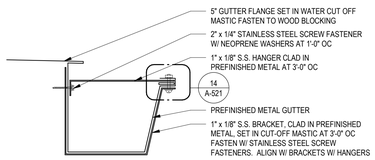
13 GUTTER EXPANSION JOINT DETAIL
1 1/2" = 1'-0" A-521



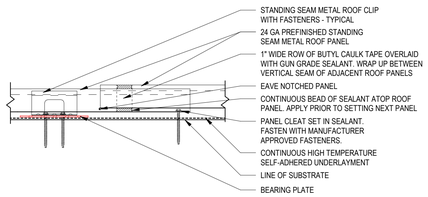
9 DOWNSPOUT BRACKET DETAIL
3" = 1'-0"



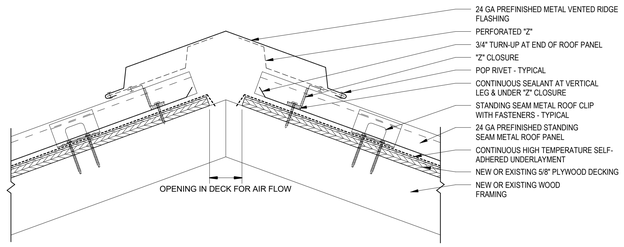
14 GUTTER HANGER CONNECTION
6" = 1'-0" A-521



7 GUTTER DETAIL
3" = 1'-0"



12 METAL PANEL LAP DETAIL
3" = 1'-0"



4 VENTED RIDGE DETAIL
3" = 1'-0" AR101

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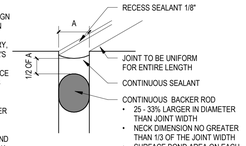
TYPICAL ROOF DETAILS

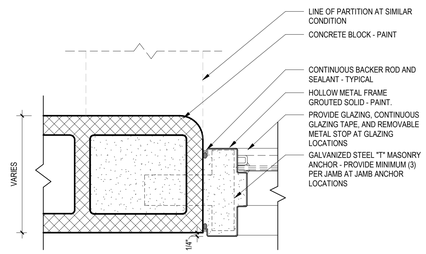
A-521
PHASE 2 - BIDDING

INSTALLATION INSTRUCTIONS

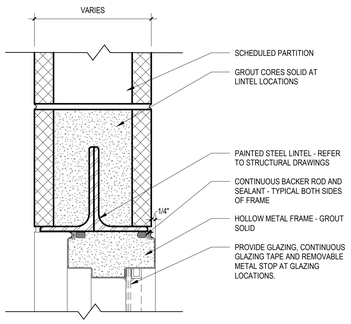
1. REMOVE LOOSE MATERIALS AND FOREIGN MATTER THAT COULD IMPAIR ADHESION OF SEALANT
2. CLEAN JOINT, AND PRIME AS NECESSARY, IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS
3. PERFORM PREPARATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ASTM C1193
4. INSTALL BACKER ROD, USE BOND BREAKER BACKING TAPE WHERE BACKER ROD CANNOT BE USED
5. MASK ELEMENTS AND SURFACES ADJACENT TO JOINTS FROM DAMAGE AND DISFIGUREMENT DUE TO SEALANT WORK; BE AWARE THAT SEALANT DRIPS AND SMEARS MAY NOT BE COMPLETELY REMOVABLE
6. PERFORM INSTALLATION PER MANUFACTURER'S INSTRUCTIONS AND ASTM C1193
7. TOOL SURFACE CONCAVE, UNLESS OTHERWISE INDICATED, REMOVE MASKING MATERIAL IMMEDIATELY AFTER TOOLING SEALANT SURFACE



3 BACKER ROD & SEALANT DETAIL1
12" = 1'-0"



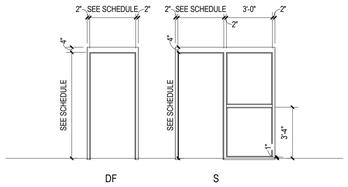
2 HOLLOW METAL JAMB DETAIL IN CMU
3" = 1'-0"



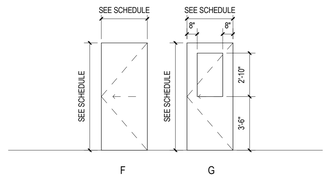
1 HOLLOW METAL HEAD DETAIL
3" = 1'-0"

DOOR AND FRAME SCHEDULE

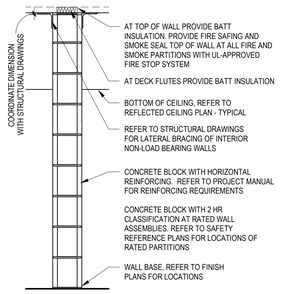
			DOOR					FRAME					
DOOR #	FROM ROOM	TO ROOM	TYPE	MATERIAL	DOOR WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	DEPTH	HDWR	FIRE RATING (MINS)	REFERENCED NOTES
100	CONCESSIONS		F	HM	3'-0" / 3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			
100A	CONCESSIONS	JAN.	F	HM	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"		45	
101	CORRIDOR		F	HM	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			2
101A		CORRIDOR	F	HM	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			2
102	TRAINER	CORRIDOR	G	HM	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			
103	CORRIDOR	OFFICE	G	WD	3'-0"	7'-0"	1 3/4"	S	HM	5 3/4"			
104	CORRIDOR	STAFF TOILET	F	HM	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			
105	HOME LOCKER ROOM	CORRIDOR	F	HM	3'-0" / 3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			
105A	HOME LOCKER ROOM	VESTIBULE	F	HM	3'-0" / 3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			
105B		VESTIBULE	F	HM	3'-0" / 3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			2
106	ELEC / MDF		F	HM	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			
106A	JAN.	VESTIBULE	F	HM	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"		45	
107		FAMILY TOILET	F	HM	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			
108	MECH / ELEC		F	HM	4'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			
109		STORAGE	F	HM	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			
110	VESTIBULE		F	HM	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			2
110A	AWAY LOCKER ROOM	VESTIBULE	F	HM	3'-0" / 3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			
110B		VESTIBULE	F	HM	3'-0" / 3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			2
110C	VESTIBULE	AWAY LOCKER ROOM	F	HM	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			
200	NS FILM & STATS		F	HM		6'-8"	1 3/4"	DF	HM	6 5/8"			6
201	NS COACHES		F	HM		6'-8"	1 3/4"	DF	HM	6 5/8"			6
202	TIMER P.A.		F	HM		6'-8"	1 3/4"	DF	HM	6 5/8"			6
203	SOUNDITV		F	HM		6'-8"	1 3/4"	DF	HM	6 5/8"			6
204	PRESS		F	HM		6'-8"	1 3/4"	DF	HM	6 5/8"			6
300		MECH.	F	HM	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			
301		MENS	F	HM	3'-0"	6'-8"	1 3/4"	DF	HM	5 3/4"			
302	WOMENS		F	HM	3'-0"	6'-8"	1 3/4"	DF	HM	5 3/4"			
400	TICKET BOOTH		F	HM	3'-0"	7'-0"	1 3/4"	DF	HM	5 3/4"			



FRAME TYPES
1/4" = 1'-0"



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



UL: U905 (2HR); U906 (2HR) 6" AND 8" CMU ONLY; U904 (3HR); U901 (4HR)

STC: SEE BELOW

5 DOOR OPENING SILL DETAIL1
3" = 1'-0"

CMU PARTITION

M # X (#)

- M # — DENOTES CMU DEPTH
- X — LETTER MODIFIER(S) (REFER TO BELOW)
- (#) — LAYER MODIFIER(S) FURRING OR VENEER APPLICATION

CMU DEPTH "#"

M 4	4" CMU	(STC: 40)
M 6	6" CMU	(STC: 42)
M 8	8" CMU	(STC: 44)
M 10	10" CMU	(STC: 46)
M 12	12" CMU	(STC: 48)

LETTER MODIFIERS "X"

M #	STANDARD CMU	M # R1	1-HOUR RATED PARTITION
M # G	GROUND FACE	M # R2	2-HOUR RATED PARTITION
M # L	SPLIT FACE	M # R3	3-HOUR RATED PARTITION
M # C	FLUTED ACOUSTIC	M # R4	4-HOUR RATED PARTITION
M # F	FLUTED		
M # T	GLAZED		
M # S	SMOKE RATED		

LAYER MODIFIERS "(#)"
REFER TO FURRING PARTITION

M # X (1)	FURRING OR VENEER ON ONE (1) SIDE - REFER TO DRAWINGS
M # X (2)	FURRING OR VENNER ON BOTH SIDES

NOTES
1. STC VARIES BASED ON DENSITY AND TYPE OF CMU, AND TYPE OF FILL WHERE REQUIRED.
2. REFER TO STRUCTURAL DRAWINGS FOR TOP OF WALL CONDITION AT LOAD BEARING CMU PARTITIONS.

GENERAL NOTES

GENERAL:
1. ALL DOOR AND FRAME TYPES ARE SHOWN AS EXTERIOR VIEW.
2. FRAME WIDTHS ARE INDICATED ON THE FLOOR PLANS. FRAME HEIGHTS ARE INDICATED ON THE FRAME TYPES. DOOR DIMENSIONS ARE INDICATED ON THE DOOR AND FRAME SCHEDULE.
3. DIMENSIONS ARE INDICATED FOR BIDDING PURPOSES ONLY AND SHALL BE FIELD VERIFIED PRIOR TO PREPARATION OF SHOP DRAWINGS AND FABRICATION.
4. THE MANUFACTURER(S) SHALL BE RESPONSIBLE FOR THE ENGINEERING AND STRUCTURAL INTEGRITY OF THEIR FRAME SYSTEMS.
5. ALL FRAMES IN MASONRY OPENINGS REQUIRE A LINTEL. REFER TO DOOR AND FRAME SCHEDULE AND/OR STRUCTURAL DRAWINGS.
6. ALL OPENINGS IN FRAMES REQUIRE GLAZING PANELS OR INFILL PANELS EXCEPT FOR DOOR OPENINGS. GLAZING TYPES FOR EXTERIOR FRAMES ARE INDICATED ON THE FRAME TYPES. GLAZING TYPES FOR INTERIOR FRAMES ARE INDICATED ON THE DOOR AND FRAME SCHEDULE OR HEREIN.
7. ALL OPENINGS IN DOORS REQUIRE GLAZING PANELS UNLESS NOTED OTHERWISE. GLAZING TYPES FOR DOORS ARE INDICATED ON THE DOOR AND FRAME SCHEDULE OR HEREIN.
8. HARDWARE SETS AND GLAZING TYPES ARE SPECIFIED IN THE PROJECT MANUAL.
9. FRAMES SHALL BE DESIGNED, CUT, AND FABRICATED TO MINIMIZE JOINTS:
   A. JOINTS IN HOLLOW METAL FRAMES SHALL RECEIVE METAL FILLER, BE GROUND SMOOTH AND SHOP/FIELD PRIMED PRIOR TO FINISH PAINT.
   B. JOINTS IN EXTERIOR ALUMINUM FRAMES SHALL BE AIR AND WATER TIGHT IN ACCORDANCE WITH THE REQUIREMENTS IDENTIFIED IN THE PROJECT MANUAL. LAP AND SEAL ALL JOINTS. ALLOW FOR EXPANSION IN THE TRIM AND AT JOINTS AND INTERSECTIONS OF ADJACENT FRAMES.

HOLLOW METAL DOORS AND FRAMES:
13. ALL HOLLOW METAL FRAMES SHALL HAVE THE FOLLOWING CHARACTERISTICS UNO:
   A. FACE WIDTH: 2"
   B. FRAME DEPTH: 5-3/4" UNO
   C. THROAT: 4-7/8"
   D. RETURN: 7/16"
14. ANCHORAGE AT HOLLOW METAL FRAMES:
   A. PROVIDE FASTENERS AT 18" ON CENTER AND MINIMALLY THREE (3) ANCHORS PER JAMB.
   B. AT FRAMES INSTALLED PRIOR TO MASONRY INSTALLATION PROVIDE GALVANIZED STEEL "T" ANCHORS
   C. AT FRAMES INSTALLED AFTER MASONRY INSTALLATION OR AT EXISTING MASONRY OPENINGS PROVIDE GALVANIZED STEEL SPACER BRACKETS, ANCHOR SLEEVES WELDED TO THE INTERIOR OF THE FRAME, AND COUNTERSUNK 3/8" FLATHEAD EXPANSION ANCHORS. COVER HEAD OF FASTENERS WITH METAL FILLER, GRIND SMOOTH, PRIME AND FINISH PAINT.
   D. AT FRAMES INSTALLED IN STUD PARTITIONS PROVIDE GALVANIZED STEEL Z-TYPE SPACE BRACKETS.
15. JAMBS OF FRAMES INSTALLED IN EXTERIOR WALLS AND WHERE INDICATED SHALL BE GROUTED SOLID. COVER GROUT HOLES WITH METAL FILLER, GRIND SMOOTH, PRIME AND FINISH PAINT.

GLAZING:
16. GLAZING AT INTERIOR DOORS AND FRAMES SHALL BE TYPE I-1 UNO.
17. GLAZING AT FIRE RATED INTERIOR DOORS AND FRAMES SHALL BE TYPE I-2 UNO.

GLAZING TYPES

EXTERIOR:

E-1 1" INSULATED CLEAR GLAZING UNIT

INTERIOR:

I-1 TEMPERED GLAZING UNIT
I-2 FIRE RATED GLAZING UNIT

REFERENCED NOTES

1. GROUT HOLLOW METAL FRAME SOLID.
2. PROVIDE CARD READER AND ELECTRIC LATCH. CARD READERS OWNER PROVIDED AND CONTRACTOR INSTALLED.
3. DOOR ASSEMBLY TO MEET FULL RATING.
4. PAINT INTERIOR OF METAL DOOR AND FRAME SAME COLOR AS WALL
5. NEW DOOR AND FRAME IN EXISTING OPENING.
6. DOOR AND FRAME UNDER SEPARATE CONTRACT. SHOWN FOR REFERENCE ONLY.

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DOOR, FRAME AND PARTITION DETAILS

A-601

PHASE 2 - BIDDING

PIPE MATERIAL SCHEDULE

APPLICATION	LOCATION	SIZE	MATERIAL	JOINING METHOD
SANITARY WASTE/ VENT	BELOW GRADE	ALL	SCHEDULE 40 ABS	SOLVENT
	ABOVE GRADE	ALL	SCHEDULE 40 ABS	SOLVENT
	PLENUM RETURN	ALL	CAST IRON	HUBLESS
T&P RELIEF	ALL	ALL	COPPER (TYPE M)	95/5 SOLDER
DOMESTIC WATER IN OR WITHIN 5' OF BUILDING	BELOW GRADE	ALL	COPPER (TYPE K) W/CORROSION-RESISTANT TAPE	LEAD FREE BRAZED
	ABOVE GRADE	ALL	COPPER (TYPE L OR K)	95/5 SOLDER
CONDENSATE	PLENUM RETURN	ALL	COPPER (TYPE M)	95/5 SOLDER
	DUCTED RETURN	ALL	SCHEDULE 40 ABS	SOLVENT
NOTES:	ALL PIPING MATERIAL AND JOINING METHODS CONTINGENT ON AUTHORITY HAVING JURISDICTION APPROVAL. ALL ABS AND PVC PIPING EXPOSED TO SUNLIGHT SHALL BE PROTECTED BY WATER-BASED LATEX PAINT. ALL BLACK STEEL PIPING EXPOSED TO MOISTURE SHALL BE PROTECTED BY RUST-PREVENTATIVE PAINT. ALL PVC PIPING MUST MEET FLAME SPREAD ASTM E85 CERTIFICATION. NO EXCEPTIONS. IF PIPING IS NOT RATED, THEN CONTRACTOR TO CARRY COST TO INSULATE ALL PIPING WITH FIRE WRAP INSULATION TO MEET THE ASTM E85 REQUIREMENT BY CODE.			

PLUMBING EQUIPMENT:

- SEWAGE EJECTOR (SE)
- BOOSTER PUMP (BP)
- GAS FIRED WATER HEATER - EXTERNAL STORAGE (GWH)
- GAS FIRED WATER HEATER - INTERNAL STORAGE (GWH)
- ELECTRIC WATER HEATER - INTERNAL STORAGE (EWH)
- GAS FIRED WATER HEATER - TANKLESS (GWH)
- WATER METER
- SEPARATOR/ INTERCEPTOR (SEE SCHEDULE FOR ABBREVIATION)
- RECIRCULATION PUMP
- EXPANSION TANK (ET)
- SUMP PUMP (SP)
- BACK WATER VALVE (BW)

GENERAL NOTES:

1. THE FOLLOWING NOTES APPLY TO THE FULL SET OF PLUMBING DRAWINGS AND SPECIFICATIONS INCLUDING ADDENDA, CHANGE ORDERS, BULLETINS AND ARCHITECTURAL SUPPLEMENTARY INSTRUCTIONS.
2. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE EXTENT AND LOCATION OF THE WORK. FURTHER DETAIL OF THE WORK THAT IS REQUIRED FOR A COMPLETE INSTALLATION, WHICH IS NOT SHOWN BECAUSE OF DRAWING SCALE, SHALL BE INCLUDED IN BASE BID.
3. FOR ADDITIONAL DETAILS, CONSULT THE ARCHITECTURAL DRAWINGS, OTHER ENGINEERING DRAWINGS, OWNER FURNISHED DRAWINGS AND OTHER OWNER FURNISHED DOCUMENTATION.
4. ALL PERMITS, LICENSES, APPROVALS AND OTHER ARRANGEMENTS FOR THE WORK SHALL BE INCLUDED WITH THE BASE BID. THIS INCLUDES PLAN REVIEW FEE FOR ALL BACKFLOW PREVENTERS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING PLUMBING WORK WITH THE WORK OF OTHER TRADES. PROVIDE OFFSETS TO ALL PIPING AS REQUIRED WHETHER SHOWN OR NOT.
6. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES. THESE CODES SHALL BE FOLLOWED AS A MINIMUM. HIGHER GRADES OF MATERIAL AND WORKMANSHIP SHALL BE PROVIDED WHERE REQUIRED.
7. PROVIDE HOLES, SLEEVES, FIRE STOPPING AND PATCHING FOR THE INSTALLATION OF THE PLUMBING WORK.
8. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTM E84 OR UL 723. PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.
9. ON ALL PUBLIC LAVATORIES AND SINKS PROVIDE A.S.S.E. 1070 APPROVED MIXING VALVE TO SUPPLY A MAX OF 110 DEGREE HOT WATER IN ORDER TO ENSURE SCOLDING WILL NOT OCCUR.
10. MANUFACTURER AND PRODUCT SELECTION: THE DRAWINGS AND SPECIFICATIONS INDICATE SIZES, PROFILES, AND DIMENSIONAL REQUIREMENTS OF MATERIAL AND SPECIFIC PRODUCTS. MANUFACTURERS OF PRODUCTS HAVING EQUIVALENT PERFORMANCE CHARACTERISTICS HAVE BEEN LISTED IN THE SPECIFICATION. THE USE OF ANY OF THESE EQUIVALENT PRODUCTS SHALL REQUIRE THAT THE CONTRACTOR IDENTIFY MODIFICATIONS TO ACCOMMODATE VARIATIONS IN CHARACTERISTICS, SUCH AS WEIGHTS, CONNECTIONS, SIZES, AND DIMENSIONS. THE RESPONSIBILITY FOR MODIFICATIONS TO MECHANICAL, STRUCTURAL, ELECTRICAL, OR OTHER PLUMBING SYSTEMS, OR TO ACCOMMODATE CODES SHALL BE WITH THE CONTRACTOR. COSTS RESULTING FROM THE USE OF THESE EQUIVALENT PRODUCTS SHALL BE INCLUDED WITH THE BASE BID.

PLUMBING INSULATION NOTES:

DOMESTIC COLD WATER ABOVE GRADE: LIGHT DENSITY, FIBERGLASS PIPE INSULATION. ½" THICK, WITH VAPOR BARRIER JACKET.

DOMESTIC HOT WATER-ABOVE GRADE: LIGHT DENSITY, FIBERGLASS PIPE INSULATION, 1" THICK, WITH GLASS CLOTH JACKET.

AT CONTRACTOR'S OPTION FIBERGLASS SNAP ON INSULATION WITH FOAM VAPOR BARRIER MAY BE SUBSTITUTED FOR ABOVE.

PIPING TO BE INSULATED ACCORDING TO 2009 INTERNATIONAL ENERGY CONSERVATION CODE. ANY NEW WATER PIPING SHALL BE INSULATED TO A MINIMUM OF R-3.

PLUMBING FITTINGS:

- 45° ELBOW
- CAP
- 90° ELBOW
- ELBOW DOWN
- ELBOW UP
- TEE
- TEE DOWN
- TEE UP
- LATERAL
- UNION
- FLEXIBLE CONNECTION
- PIPE CONTINUATION
- CLEANOUT (CO)
- FLOOR CLEANOUT (FCO)
- WALL CLEANOUT (WCO)
- FLOOR SINK
- XX DRAIN
  - XX DENOTES THE FOLLOWING
    - (AD) AREA DRAIN
    - (FD) FLOOR DRAIN
    - (HD) HUB DRAIN
    - (RD) ROOF DRAIN

PLUMBING VALVES:

- SOLENOID VALVE
- MODULATING 2-WAY VALVE
- MODULATING 3-WAY VALVE
- BALANCING VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- MIXING VALVE
- FLOAT OPERATED VALVE
- GATE VALVE
- GLOBE VALVE
- PLUG VALVE
- PRESSURE REDUCING VALVE
- SAFETY RELIEF VALVE
- DOUBLE CHECK VALVE ASSEMBLY
- REDUCED PRESSURE ZONE VALVE (RPZ)
- DUAL CHECK VALVE WITH INTERMEDIATE ATMOSPHERIC VENT

PLUMBING SPECIALTIES:

- AUTOMATIC AIR VENT
- MANUAL AIR VENT
- PRESSURE GAUGE
- PRESSURE SWITCH
- THERMOMETER
- STRAINER, BLOW DOWN
- STRAINER
- EXPANSION LOOP
- EXPANSION JOINT
- WATER HAMMER ARRESTER
- AQUASTAT
- HOSE BIBB/ WALL HYDRANT
- TRAP PRIMER
- VB VACUUM BREAKER
- SPV SPILL PROOF VACUUM BREAKER

PIPE SYSTEM LINE TYPES:

- PIPING OR EQUIPMENT TO BE REMOVED
- PIPING OR EQUIPMENT TO REMAIN
- IWP INDIRECT WASTE PIPE (IWP)
- GRS GRAY WASTE (GRS)
- GR GREASE WASTE (GR)
- CV CLEAR WATER VENT (CV)
- AV ACID VENT (AV)
- AW ACID WASTE (AW)
- DT SUB-SOIL DRAINAGE (DT)
- IRRG IRRIGATION (IRRIG)
- GRW GRAY WATER (GRW)
- CA COMPRESSED AIR (CA)
- CW(CITY) CITY COLD WATER (CW(CITY))
- COLD WATER DOMESTIC (CW)
- CWR COLD WATER RETURN (CWR)
- SCW SOFT COLD WATER (SCW)
- GW GARAGE WASTE (GW)
- HOT WATER DOMESTIC (HW)
- HOT WATER DOMESTIC RETURN (HWR)
- NG NATURAL GAS (NG)
- NPCW NON-POTABLE COLD WATER (NPCW)
- OV OIL VENT (OV)
- PD PUMP DISCHARGE (PD)
- PW PURE WATER (PW)
- SAN SANITARY (SAN)
- ST STORM (ST)
- STO STORM OVERFLOW (STO)
- UNDERGROUND PIPING
- V VENT (V)

PLUMBING TAGS:

- MARK / X / X / NUMBER — PLUMBING EQUIPMENT TAG
- RISER / X / NUMBER — RISER TAG
- PIPE SIZE / ##" XX / SYSTEM ABBREVIATION — PIPE DIMENSION TAG
- POINT OF NEW CONNECTION
- POINT OF DISCONNECTION
- VIEW NUMBER REFERENCE / X | X / SHEET NUMBER — REFERENCE TAG

GENERAL:

- ## / ## — DRAWING KEYNOTE SYMBOL
- DETAIL NUMBER / SHEET NUMBER — BUILDING SECTION
- DETAIL NUMBER / SHEET NUMBER — BUILDING ELEVATION
- DETAIL NUMBER / SHEET NUMBER — CALLOUT BOUNDARY
- DETAIL NUMBER / SHEET NUMBER — VIEW REFERENCE CALLOUT
- +X - X" — MOUNTING HEIGHT DESIGNATION

PLUMBING ABBREVIATIONS:

AD	AREA DRAIN
BFP	BACKFLOW PREVENTER
BP	BOOSTER PUMP
BTU	BRITISH THERMAL UNIT
BTUH	BTU(S) PER HOUR
BV	BALANCING VALVE
CO	CLEANOUT
CO2	CARBON DIOXIDE
CPVC	CHLORINATED PVC
CW	COLD WATER
CWR	COLD WATER RETURN
CWFU	COLD WATER FIXTURE UNITS
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNITS
DIA	DIAMETER
DS	DOWNSPOUT
DW	DISH WASHER
ES	EMERGENCY SHOWER
ET	EXPANSION TANK
EVAC	WASTE ANESTHETIC GAS DISPOSAL
EW	EMERGENCY EYE WASH
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FRS	FLUSHING RIM SINK
FS	FLOOR SINK
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
HB	HOSE BIBB
HD	HUB DRAIN
HS	HAND SINK
HW	HOT WATER
HWR	HOT WATER RETURN
HWFU	HOT WATER FIXTURE UNITS
IWP	INDIRECT WASTE PIPE
KS	KITCHEN SINK
KW	KILOWATT
LA	LAB AIR
LAV	LAVATORY
LV	LABORATORY VACUUM
MB	MOP BASIN
MBH	BTU PER HOUR (THOUSAND
MV	MIXING VALVE
N	NITROGEN
NCP	NITROGEN CONTROL PANEL
ND	NOZZLE DRAIN
NG	NATURAL GAS
NO	NITROUS OXIDE
NPT	NATIONAL PIPE THREAD TAPERED
O	OXYGEN
PEX	CROSS LINKED POLYETHYLENE
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
PVC	POLYVINYL CHLORIDE
PW	PURE WATER
RD	ROOF DRAIN
RDO	ROOF DRAIN OVERFLOW
RPM	REVOLUTIONS PER MINUTE
S	SINK
SD	SHOWER DRAIN
SE	SEWAGE EJECTOR
SFU	SUPPLY FIXTURE UNIT
SH	SHOWER
SP	SUMP PUMP
SPR	STANDPIPE RECEPTOR
SS	SERVICE SINK
TD	TRENCH DRAIN
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
UR	URINAL
VA	VACUUM
VTR	VENT THROUGH ROOF
W	WASTE PIPE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER
WS	WATER SOFTENER
YCO	YARD CLEANOUT

GENERAL ABBREVIATIONS:

A/E	ARCHITECT/ENGINEER
ABV	ABOVE
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISHED GRADE
AFG	ABOVE FINISHED GRADE
ALT	ALTERNATE
APPROX	APPROXIMATELY
ARCH	ARCHITECT
AVG	AVERAGE
BFG	BELOW FINAL GRADE
BLDG	BUILDING
CLG	CEILING
DEG.F, °F	DEGREES FAHRENHEIT
DIR	DIRECT
DISC	DISCONNECT
DN	DOWN
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATION REFERENCE
EM	EMERGENCY
EP	EXPLOSION PROOF
F	FLUSH
FBO	FURNISHED BY OTHERS
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLR	FLOOR
FP	FIRE PROTECTION
FS	FLOW SWITCH
GC	GENERAL CONTRACTOR
GRD	GROUND
GYP	GYPSUM BOARD
HVAC	HEATING & VENTILATING - AIR CONDITIONING
HVC	HEATING VENTILATING CONTRACTOR
HW	HEAVY WALL
ID	INDIRECT
IE	INVERT ELEVATION
IL	INTERLOCK
IU	IN UNIT
J-BOX	JUNCTION BOX
LG	LAY-IN GRID
LTG	LIGHTING
LV	LOW VOLTAGE
LVT	LINE VOLTAGE THERMOSTAT
MAX	MAXIMUM
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING
RM	ROOM
RQD	REQUIRED
SF	SQUARE FEET
SPEC	SPECIFICATION(S)
SURF	SURFACE
TS	TAMPER SWITCH
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE

RENOVATION LEGEND:

<X>	EXISTING TO REMAIN
<XRL>	EXISTING TO BE RELOCATED
<XO>	EXISTING TO BE REMOVED
<XNL>	EXISTING IN NEW LOCATION
<N>	NEW FIXTURE
<RAI>	REMAIN AS IS

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NORTH SCOTT COMMUNITY SCHOOL DISTRICT
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PLUMBING LEGEND

P-000
BID PACKAGE 2

GENERAL NOTES:

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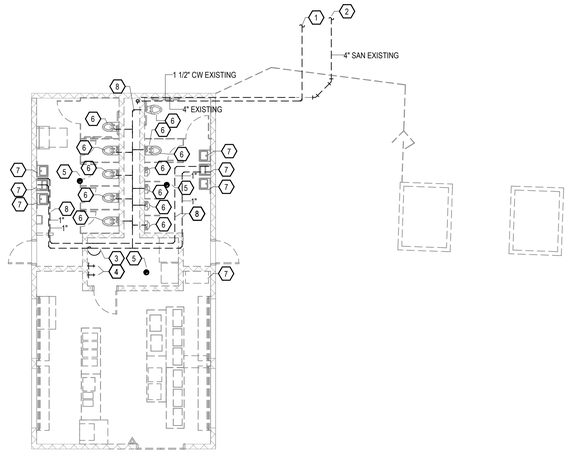
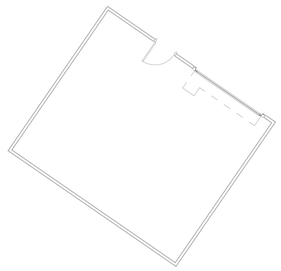
2. ALL PLUMBING SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET P-000 FOR LEGEND.
4. PLUMBING CONTRACTOR TO CONFIRM ALL FLOOR DRAIN LOCATIONS PRIOR TO INSTALLATION.

#	KEYNOTES
1	EXISTING 1-1/2" COLD WATER LINE TO BE DEMOLISHED BACK TO BUILDING MAIN.
2	EXISTING 4" SANITARY LINE TO BE DEMOLISHED BACK TO CITY MAIN.
3	EXISTING WATER HEATER TO BE DEMOLISHED. DEMOLISH ALL CORRESPONDING PIPING BACK TO MAINS.
4	EXISTING HOSE BIBB TO BE DEMOLISHED. DEMOLISH ALL CORRESPONDING PIPING BACK TO MAINS.
5	EXISTING FLOOR DRAIN TO BE DEMOLISHED. DEMOLISH ALL CORRESPONDING PIPING BACK TO MAINS.
6	EXISTING PLUMBING FIXTURE TO BE DEMOLISHED. DEMO EXISTING CW, SANITARY AND VENT LINES BACK TO MAINS.
7	EXISTING PLUMBING FIXTURE TO BE BE DEMOLISHED. DEMO EXISTING HW,CW, SANITARY AND VENT LINES BACK TO MAINS.
8	EXISTING CW AND HW WATER LINES TO BE DEMOLISHED IN THEIR ENTIRETY.





1 PD101 PLUMBING FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

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PLUMBING FIRST FLOOR DEMOLITION PLAN

PD101
BID PACKAGE 2

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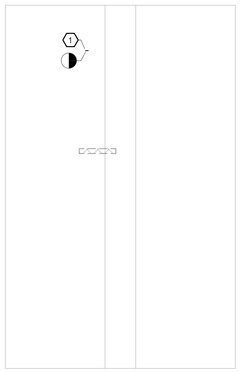
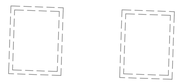
3. REFER TO SHEET P-000 FOR LEGEND.
4. PLUMBING CONTRACTOR TO CONFIRM ALL FLOOR DRAIN LOCATIONS PRIOR TO INSTALLATION.

**KEYNOTES**

1 EXISTING 4" VENT THROUGH ROOF TO BE DEMOLISHED. DEMO ALL VENT PIPING THE CONNECTS TO EXISTING VENT THROUGH ROOF. DEMOLISH ALL VENT PIPING IN BUILDING.





1 / PD102 PLUMBING ROOF DEMOLITION PLAN

1/8" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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PLUMBING ROOF DEMOLITION PLAN

PD102
BID PACKAGE 2

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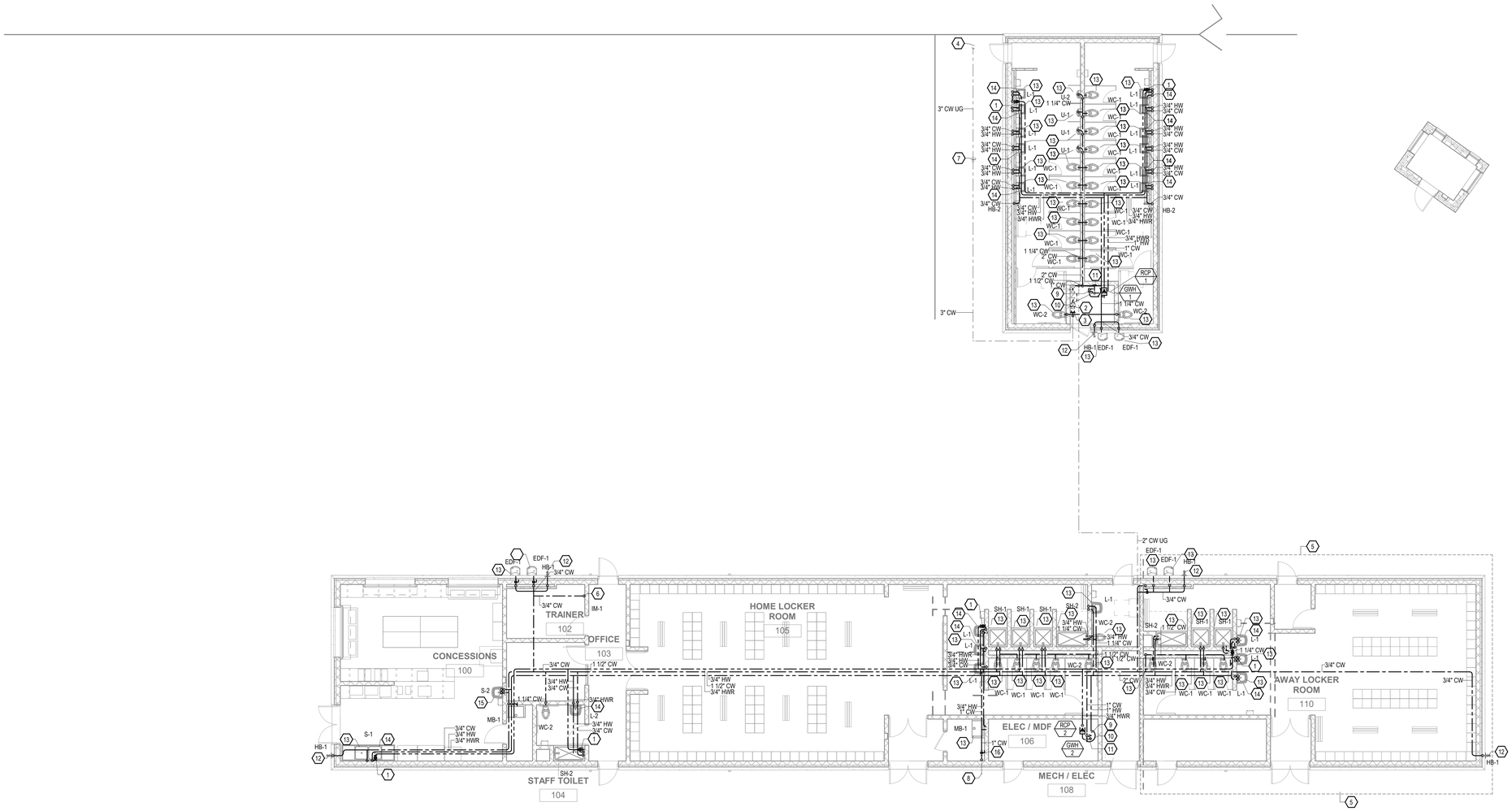
3. REFER TO SHEET P-000 FOR LEGEND.
4. PLUMBING CONTRACTOR TO CONFIRM ALL FLOOR DRAIN LOCATIONS PRIOR TO INSTALLATION.

 # KEYNOTES

IN ORDER DO DRAIN DOWN BUILDING FOR WINTER MONTHS: STEP 7: GO THROUGH AND ENGAGE ALL PLUMBING FIXTURES TO BLEED OUT BRANCH LINES FOR REMAINING WATER IN PIPES.

1 3/4" BALANCING VALVE TO BE INSTALLED ON HOT WATER RETURN LINE PRIOR TO CONNECTION TO HOT WATER LINE.
2 3" BACK FLOW PREVENTER.
3 3" WATER METER ASSEMBLY. PROVIDE HOSE BIB AND SHUT OFF VALVE TO DRAIN SYSTEM. STEP 2: SHUT OFF WATER AT THE METER. THERE ARE 2 ISOLATION VALVES ON BOTH SIDES OF THE METER, TURN VALVES TO " OFF" POSITION.
4 NEW 3" COLD WATER LINE TO CONTINUE TO CITY MAIN. COORDINATE EXACT LOCATION WITH CIVIL.
5 AREA IS ALTERNATIVE BID.
6 3/4" CW LINE TO ICE MACHINE PROVIDE BACKFLOW PREVENTOR. BACK FLOW TO BE WATTS SERIES LF7/R 3/4" VALVE OR SIMILAR.
7 PROVIDE 3" SHUT OFF VALVE BOX. IN ORDER TO DRAIN DOWN BUILDING IN WINTER MONTHS, STEP 1 IS TO SHUT OFF WATER AT VALVE BOX TO PREVENT WATER RISERS TO FREEZE.
8 1" CW LINE TO CONTINUE TO FIELD YARD BIBS. YARD BIBS TO BE WOODFORD Y34. COORDINATE EXACT PIPE ROUTING WITH PHASE 1 OF THE CIVIL PLANS.
9 IN ORDER TO DRAIN DOWN BUILDING FOR WINTER MONTHS STEP 3: TURN OFF ELECTRICAL TO WATER HEATER AND CIRCULATION PUMP. TURN OFF ELECTRICAL AT PANEL OR LOCAL DISCONNECT.
10 IN ORDER DO DRAIN DOWN BUILDING FOR WINTER MONTHS: STEP 4: CLOSE GAS VALVE TO WATER HEATER IN ORDER TO PREVENT ANY GAS LEAKS DURING WINTER.
11 IN ORDER DO DRAIN DOWN BUILDING FOR WINTER MONTHS STEP 5: OPEN DRAIN DOWN VALVE AT BOTTOM OF WATER HEATER. ONCE WATER HEATER IS DRAINED CLOSE IT TO ENSURE ON START UP IN SPRING THERE IS NO FLOODING.
12 IN ORDER DO DRAIN DOWN BUILDING FOR WINTER MONTHS: STEP 6: OPEN HOSE BIB TO LET WATER DRAIN OUT TO GRADE CLOSE VALVE ONCE DRAIN IS COMPLETE.
13 IN ORDER DO DRAIN DOWN BUILDING FOR WINTER MONTHS: STEP 7: GO THROUGH AND ENGAGE ALL PLUMBING FIXTURES TO BLEED OUT BRANCH LINES FOR REMAINING WATER IN PIPES.
14 PROVIDE ASSE TMV VALVE ON ALL PUBLIC LAVATORIES AND TMV TO BE SET AT 110 DEGREES IN ORDER TO PREVENT SCOLDING.
15
16 IN ORDER TO DRAIN DOWN BUILDING FOR WINTER MONTHS: STEP 8 CLOSE SHUT OFF VALVE AND OPEN FIELD YARD HYDRANTS IN ORDER TO BLEED THE LINES.



1 P-101 PLUMBING FIRST FLOOR DOMESTIC WATER PLAN
1/8" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT
NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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SIGNATURE
DATE

REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER	223050.00
DATE OF ISSUE	11.06.2023
DRAWN BY	BMA
CHECKED BY	RK

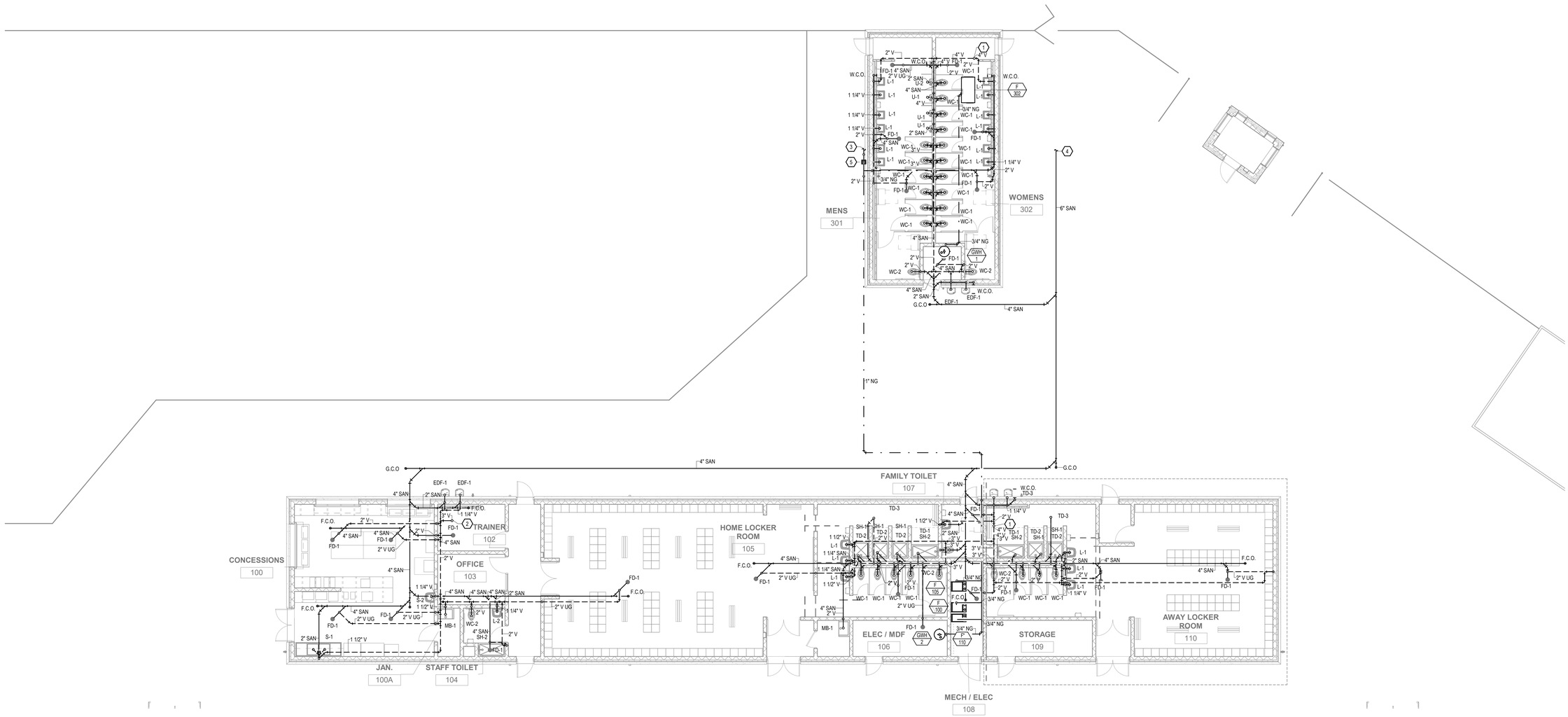
PLUMBING FIRST FLOOR DOMESTIC WATER PLAN

P-101
BID PACKAGE 2

GENERAL NOTES:

1. DRAWINGS ARE TO BE REVIEWED IN THE FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THEIR IS CROSS DIRECTION , A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATIONS DIV 1, THE HIGHER COST OF THE TWO OPTION IS TO BE TAKEN WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL PLUMBING SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET P-000 FOR LEGEND.
4. PLUMBING CONTRACTOR TO CONFIRM ALL FLOOR DRAIN LOCATIONS PRIOR TO INSTALLATION.

#	KEYNOTES
1	NEW 4" VENT THROUGH ROOF.
2	NEW 3" VENT THROUGH ROOF.
3	NEW 1-1/4" NATURAL GAS LINE CONTINUE BACK TO BUILDING MAIN.
4	NEW 6" SANITARY LINE CONTINUE BACK TO CITY MAIN.
5	NEW 1-1/4" NATURAL GAS METER.



1 P-201 PLUMBING FIRST FLOOR SANITARY AND VENT PLAN
1/8" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT
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PLUMBING FIRST FLOOR SANITARY AND VENT PLAN

P-201
BID PACKAGE 2

GENERAL NOTES:

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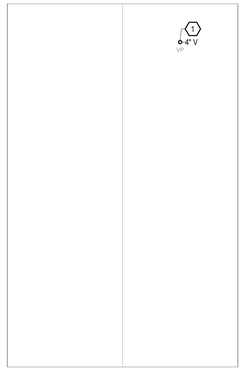
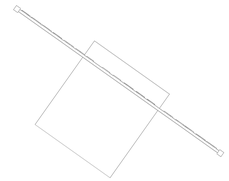
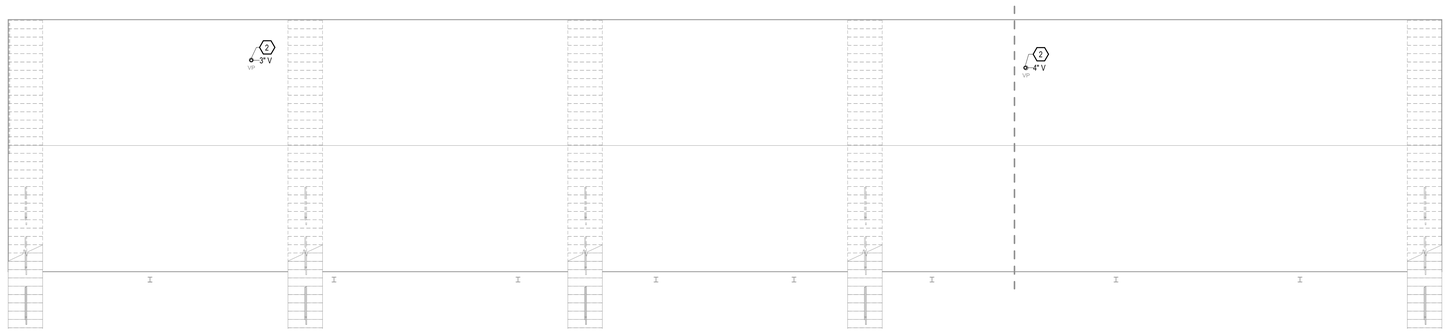
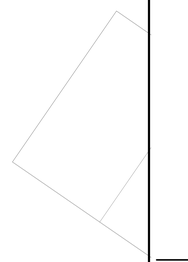
3. REFER TO SHEET P-000 FOR LEGEND.
4. PLUMBING CONTRACTOR TO CONFIRM ALL FLOOR DRAIN LOCATIONS PRIOR TO INSTALLATION.

#	KEYNOTES
1	NEW 4" VENT THROUGH ROOF. VENT TO BE A MINIMUM OF 10'-0" AWAY FROM ANY FRESH AIR INTAKES. SEE SHEET P-201 FOR MORE DETAIL.
2	NEW 3" VENT THROUGH ROOF. VENT TO BE A MINIMUM OF 10'-0" AWAY FROM ANY FRESH AIR INTAKES. SEE SHEET P-201 FOR MORE DETAIL.









1 / P-202 PLUMBING ROOF PLAN
1/8" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT
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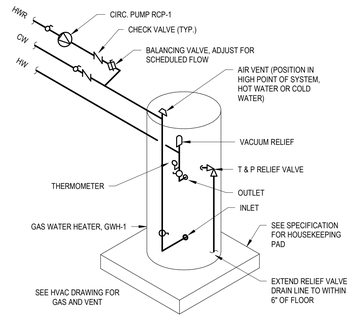
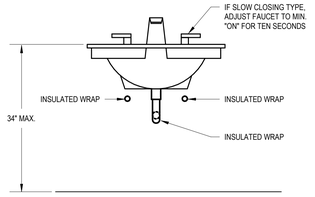
CHECKED BY	RK

PLUMBING ROOF PLAN

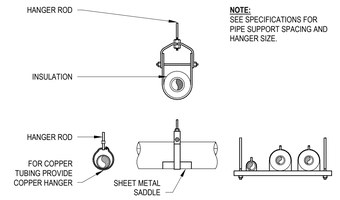
P-202
BID PACKAGE 2



1 WATER HEATER - SINGLE
P-300 NOT TO SCALE

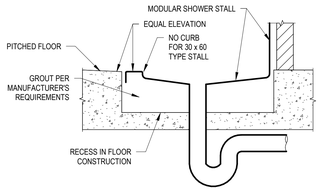


2 ADA COMPLYING LAVATORY INSTALLATION
P-300 NOT TO SCALE

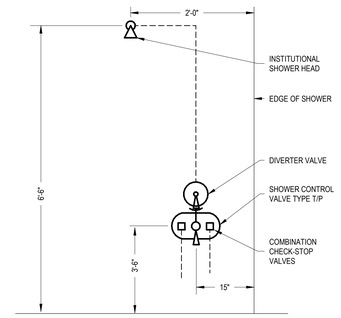


NOTE:
SEE SPECIFICATIONS FOR PIPE SUPPORT SPACING AND HANGER SIZE.

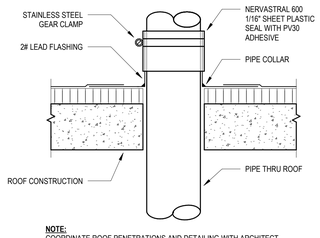
3 PIPE SUPPORT
P-300 NOT TO SCALE



4 MODULAR ADA SHOWER INSTALLATION
P-300 NOT TO SCALE

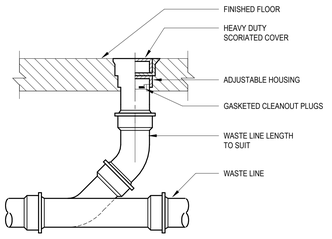


5 SHOWER
P-300 NOT TO SCALE

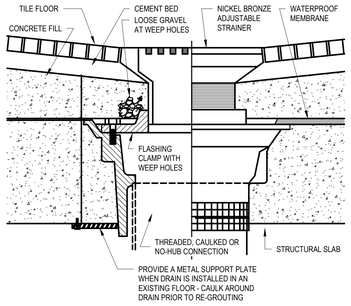


NOTE:
COORDINATE ROOF PENETRATIONS AND DETAILING WITH ARCHITECT

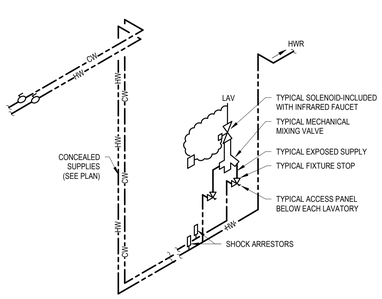
6 VENT THRU ROOF DETAIL
P-300 NTS



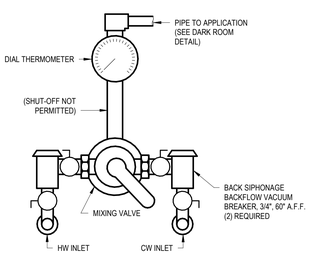
7 FLOOR CLEANOUT DETAIL
P-300 NTS



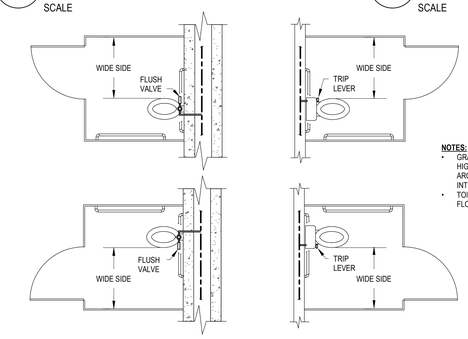
8 TYPE C FLOOR DRAIN DETAIL
P-300 NOT TO SCALE



9 LAVATORY TEMPERED WATER SUPPLY
P-300 NOT TO SCALE

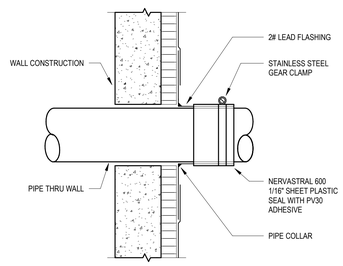


10 MIXING VALVE
P-300 NOT TO SCALE



NOTES:
- GRAB BAR HEIGHT NOT TO EXCEED 44 INCHES HIGH. COORDINATE ALTERNATE HEIGHT WITH ARCHITECT OR CONTRACTOR FOR GRAB BAR INTERFERENCE.
- TOILET SEAT HEIGHT TO BE BETWEEN 17" - 19" OFF FLOOR.

11 ADA COMPLYING WATER - CLOSET INSTALLATION
P-300 3/8" = 1'-0"



12 VENT THRU WALL DETAIL
P-300 NTS

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	CONNECTION SIZE (IN)				DFU		CWFU	HWFU	TOTAL WSFU		MANUFACTURE	MODEL	REMARKS
		WASTE	VENT	CW	HW	FIXTURE	TOTAL	FIXTURE	FIXTURE	FIXTURE	TOTAL			
EDF-1	ELECTRIC DRINKING FOUNTAIN - SURFACE MOUNTED, SINGLE BASIN	1 1/4"	1 1/4"	1/2"	0"	1	6	0.25	0	0.25	1.5	ELKAY	EDFP214C	FROST RESISTANT, STAINLESS STEEL, SINGLE DRINKING FOUNTAIN.
FD-1	FLOOR DRAIN	4"	2"	0"	0"	6	132	0	0	0	0	SIOUX CHIEF	832	CAST IRON
HB-1	HOSE BIBB - FREEZELESS, WALL MOUNT	0"	0"	3/4"	0"	0	0	4	0	0	0	WOODFORD	67C	FROST PROOF CONCEALED HOSE BIB WITH LOCKABLE BRASS BOX WITH EXTERIOR WALL
HB-2	INDOOR HOSE BIBB, WITH VACUUM BREAKER	0"	0"	3/4"	0"	0	0	4	0	0	0	WOODFORD	19	INDOOR HOSE BIB
IM-1	BACKFLOW	2"	2"	1/2"	0"	0	0	1	0	0	0			
L-1	LAVATORY - WALL MOUNT, WIDESPREAD FAUCET	1 1/4"	1 1/4"	1/2"	1/2"	1	19	1	1	1.5	28.5	ZURN	Z5344	WALL MOUNT, MAX DEPTH OF 6-1/2", FAUCET TO BE ZURN Z6915-XL, AUTOMATIC, HARDWIRED, PROVIDE WITH A.S.S.E. APPROVED TMV. TMV TO BE SET AT 110F.
L-2	LAVATORY - WALL MOUNT, WIDESPREAD FAUCET, ADA	1 1/4"	1 1/4"	1/2"	1/2"	1	1	1	1	1.5	1.5	ZURN	Z5344	ADA COMPLIANT, WALL MOUNT, MAX DEPTH OF 6-1/2", FAUCET TO BE ZURN Z6915-XL, AUTOMATIC, HARDWIRED, PROVIDE WITH A.S.S.E. APPROVED TMV. TMV TO BE SET AT 110F.
MB-1	MOP BASIN - TERRAZZO	3"	1 1/2"	1/2"	1/2"	3	6	2	2	3	6	FIAT	SB3624	36"X24" MOB BASIN, FAUCET TO BE FIAT 8300AA.
S-1	DOUBLE BASIN SINK	3"	1 1/2"	3/4"	3/4"	2	2	2	2	2	2	ADVANCE TABCO	94-42-48-24RL	STAINLESS STEEL DOUBLE BASIN SINK WITH FLOOR STANDS. PROVIDE WITH ONE FAUCET. FAUCET TO BE TABCO K-105.
S-2	SINK - WALL MOUNT, ADA	1 1/2"	1 1/2"	1/2"	1/2"	2	2	1	1	1.5	1.5	ELKAY	WCL19230SDC	MOUNT AT ADA HEIGHT WALL MOUNT, STAINLESS STEEL, FAUCET TO BE ELKAY LK94DGN04L2H, FAUCET TO BE MANUAL, 1.5 GPM.
SH-1	SHOWER	2"	1 1/4"	1/2"	1/2"	3	15	1.5	1.5	3	15	BRADLEY	WS-1X-HN	WALL MOUNT BARRIER FREE, PROVIDE WITH THERMOSTATIC MIXING VALVE, 1.5 GPM. STANDARD SHOWERHEAD AND FLEXIBLE HAND SHOWER.
SH-2	SHOWER - ADA	2"	1 1/4"	1/2"	1/2"	3	9	1.5	1.5	3	9	BRADLEY	HN200	RECESS-MOUNTED ADA COMPLIANT WALL SHOWER, PROVIDE WITH THERMOSTATIC MIXING VALVE, 1.5 GPM STANDARD SHOWERHEAD AND FLEXIBLE HAND SHOWER. PROVIDE WITH L-SHAPED GRAB BAR AND ADA COMPLIANT SEAT.
TD-1	TRENCH DRAIN - LAUNDRY	3"	2"	0"	0"	6	12	0	0	0	0	ZURN	Z886	5' LONG,6" WIDE MODULAR HIGH DENSITY POLYETHYLENE TRENCH WITH 6" WIDE HEEL PROOF DUCTILE IRON SLOTTED GRATE
TD-2	TRENCH DRAIN - LAUNDRY	3"	2"	0"	0"	6	30	0	0	0	0	ZURN	Z886	3' LONG,6" WIDE MODULAR HIGH DENSITY POLYETHYLENE TRENCH WITH 6" WIDE HEEL PROOF DUCTILE IRON SLOTTED GRATE
TD-3	TRENCH DRAIN - LAUNDRY	3"	2"	0"	0"	6	12	0	0	0	0	ZURN	Z886	10' LONG,6" WIDE MODULAR HIGH DENSITY POLYETHYLENE TRENCH WITH 6" WIDE HEEL PROOF DUCTILE IRON SLOTTED GRATE
U-1	URINAL - WALL MOUNT, ADA	2"	1 1/2"	3/4"	0"	2	6	4	0	4	12	ZURN	Z5755	MOUNT AT ADA HEIGHT. VITEROUS CHINA, FINISH TO BE WHITE, FLUSH VALVE TO BE ZURN ZEMS6003AV-IS, AUTOMATIC, HARDWIRED, 1.0 GPF.
U-2	URINAL - WALL MOUNT	2"	1 1/2"	3/4"	0"	2	2	4	0	4	4	ZURN	Z5755	VITEROUS CHINA, FINISH TO BE WHITE, FLUSH VALVE TO BE ZURN ZEMS6003AV-IS, AUTOMATIC, HARDWIRED, 1.0 GPF.
WC-1	WATER CLOSET - FLOOR MOUNT, FLUSH VALVE	4"	2"	1 1/4"	0"	8	184	10	0	10	230	ZURN	Z5655-BWL1	VITEROUS CHINA, FLOOR MOUNT, FINISH TO BE WHITE, PROVIDE OPEN FRONT SEAT, FLUSH VALVE TO BE ZURN ZEMS6000AV-IS, AUTOMATIC, HARDWIRED, 1.28 GPF.
WC-2	WATER CLOSET - FLOOR MOUNT, FLUSH VALVE, ADA	4"	2"	1 1/4"	0"	8	48	10	0	10	60	ZURN	Z5655-BWL1	ADA, VITEROUS CHINA, FLOOR MOUNT, FINISH TO BE WHITE, PROVIDE OPEN FRONT SEAT, FLUSH VALVE TO BE ZURN ZEMS6000AS-IS, AUTOMATIC, HARDWIRED, 1.28 GPF.
							486				371			

GAS FIRED WATER HEATER SCHEDULE

TAG	LOCATION	STORAGE (GAL)	RECOVERY CAP. (100 F RISE)	GAS INPUT (BTUH)	ELECTRICAL DATA				FLUE CONNECTION DIA. (IN)	CA INTAKE DIA. (IN)	MANUFACTURER	MODEL NO.	TEMP. SET POINT (F)	WEIGHT (LBS)	REMARKS
					VOLTS	PHASE	HZ	AMPS							
GWH-1	WOMENS 242	60.0	138.0	120	120	1	60	5	4	4	AO SMITH	BTH-120 MXI	140	460	ALL
GWH-2	MECHANICAL 226	100.0	178.0	150	120	1	60	5	3	3	AO SMITH	BTH-150 MXI	140	553	ALL

REMARKS:
1. GAS CONNECTION 3/4", WATER CONNECTION 1-1/2", AIR INLET CONNECTION 4", VENT CONNECTION 4"
2. UNIT IS TO USE NATURAL GAS CONNECTION AND USE DOWN FIRED POWER BURNER DESIGNED FOR PRECISE MIXING OF AIR AND GAS FOR OPTIMUM EFFICIENCY, REQUIRING NO SPECIAL CALIBRATION ON START UP.
3. WATER HEATER SHALL HAVE A FOAM INSULATION AND A CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE.
4. UNIT SHALL USE A CONCENTRIC KIT WITH PART NO. 9003910105 PRIOR TO PENETRATING ROOF. 4" PVC PIPES SHALL BE USED FOR POWER DIRECT -VENTING UP THROUGH ROOF. EQUIVALENT DISTANCE OF VENT PIPES SHALL NOT EXCEED 120 FEET. PROVIDE MESH WIRE SCREEN FOR VERMIN CONTROL.
5. PROVIDE 4" LEG KIT TO MEET NSF REQUIREMENTS. STANDARD CONTROLS TO INCLUDE ADJUSTABLE T-STAT, ELECTRONIC IGNITION, EMERGENCY GAS CUT-OFF AND PRESSURE REGULATOR.
6. UNIT TO HAVE DRIP PAN THAT IS TO BE DRAINED TO NEAREST FLOOR DRAIN.

RECIRCULATION PUMP SCHEDULE

TAG	LOCATION	TYPE	CAPACITY (GPM)	PUMP HEAD (FT)	ELECTRICAL DATA					WEIGHT (LBS)	MANUFACTURER	MODEL NO.	REMARKS
					RPM	HP	V	PH	HZ				
RCP-2	MECHANICAL 226	INLINE	5	33	3300	0.17	120	1	60	13.1	BELL & GOSSET	PL-36	ALL
RCP-1	WOMENS 242	INLINE	5	33	3300	0.17	120	1	60	13.1	BELL & GOSSET	PL-36	ALL

REMARKS:
1. LABEL ALL PUMPS.
2. INLINE PUMPS ARE TO BE SUPPORTED BY PIPING, AND/OR HUNG UNINSTRUCTED WITH VIBRATION ISOLATION HANGING RODS.
3. CONTRACTOR SHALL VERIFY FINAL HEAD PRESSURE AND PUMP SELECTION WITH ACTUAL FIELD CONDITION.

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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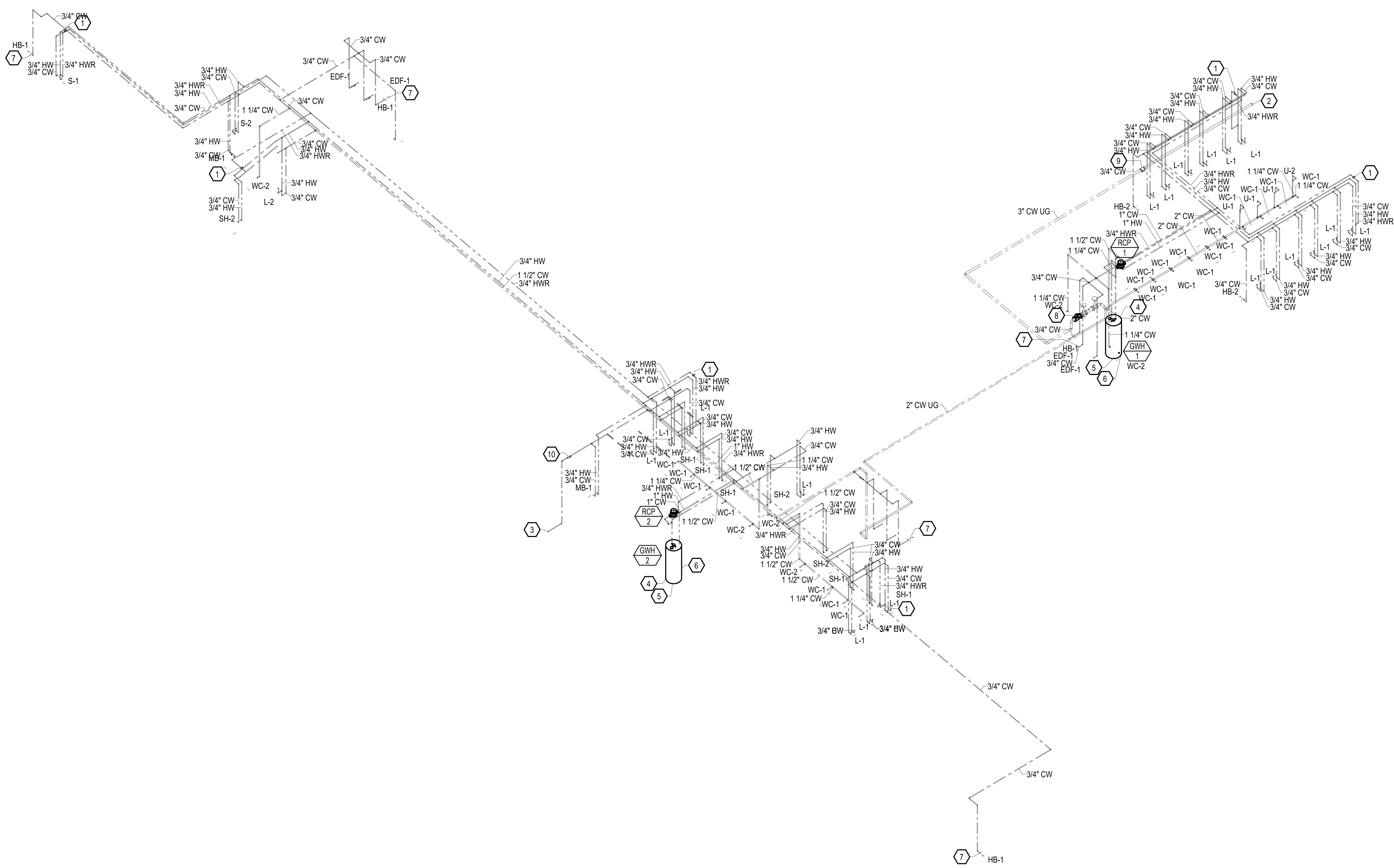
PLUMBING SCHEDULES AND DETAILS

P-300
BID PACKAGE 2



1 DOMESTIC WATER RISER DIAGRAM P-401

#	KEYNOTES
1	3/4" BALANCING VALVE TO BE INSTALLED ON HOT WATER RETURN LINE PRIOR TO CONNECTION TO HOT WATER LINE.
2	NEW 3" COLD WATER LINE TO CONTINUE TO CITY MAIN. COORDINATE EXACT LOCATION WITH CIVIL.
3	1" CW LINE TO CONTINUE TO FIELD YARD BIBS. YARD BIBS TO BE WOODFORD Y34. COORDINATE EXACT PIPE ROUTING WITH PHASE 1 OF THE CIVIL PLANS.
4	IN ORDER TO DRAIN DOWN BUILDING FOR WINTER MONTHS STEP 3: TURN OFF ELECTRICAL TO WATER HEATER AND CIRCULATION PUMP. TURN OFF ELECTRICAL AT PANEL OR LOCAL DISCONNECT.
5	IN ORDER DO DRAIN DOWN BUILDING FOR WINTER MONTHS: STEP 4: CLOSE GAS VALVE TO WATER HEATER IN ORDER TO PREVENT ANY GAS LEAKS DURING WINTER.
6	IN ORDER DO DRAIN DOWN BUILDING FOR WINTER MONTHS STEP 5: OPEN DRAIN DOWN VALVE AT BOTTOM OF WATER HEATER. ONCE WATER HEATER IS DRAINED CLOSE IT TO ENSURE ON START UP IN SPRING THERE IS NO FLOODING.
7	IN ORDER DO DRAIN DOWN BUILDING FOR WINTER MONTHS: STEP 6: OPEN HOSE BIB TO LET WATER DRAIN OUT TO GRADE CLOSE VALVE ONCE DRAIN IS COMPLETE.
8	3" WATER METER ASSEMBLY. PROVIDE HOSE BIB AND SHUT OFF VALVE TO DRAIN SYSTEM. STEP 2: SHUT OFF WATER AT THE METER. THERE ARE 2 ISOLATION VALVES ON BOTH SIDES OF THE METER, TURN VALVES TO " OFF" POSITION.
9	PROVIDE 3" SHUT OFF VALVE BOX. IN ORDER TO DRAIN DOWN BUILDING IN WINTER MONTHS, STEP 1 IS TO SHUT OFF WATER AT VALVE BOX TO PREVENT WATER RISERS TO FREEZE.
10	IN ORDER TO DRAIN DOWN BUILDING FOR WINTER MONTHS: STEP 8 CLOSE SHUT OFF VALVE AND OPEN FIELD YARD HYDRANTS IN ORDER TO BLEED THE LINES.

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT
NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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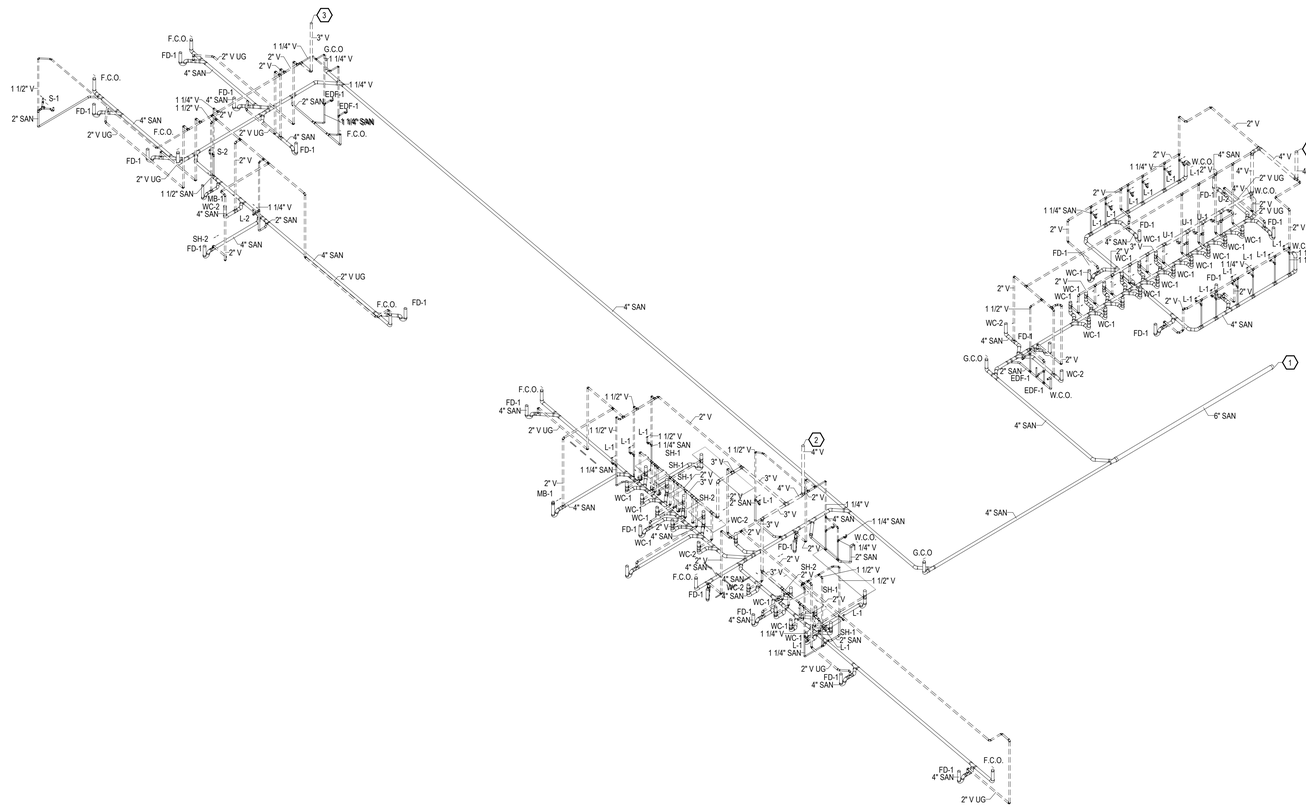
PLUMBING DOMESTIC WATER RISER DIAGRAM

P-401
BID PACKAGE 2

#	KEYNOTES
1	NEW 6" SANITARY LINE CONTINUE BACK TO CITY MAIN.
2	NEW 4" VENT THROUGH ROOF.
3	NEW 3" VENT THROUGH ROOF.



1 / P-402 SANITARY AND VENT RISER DIAGRAM

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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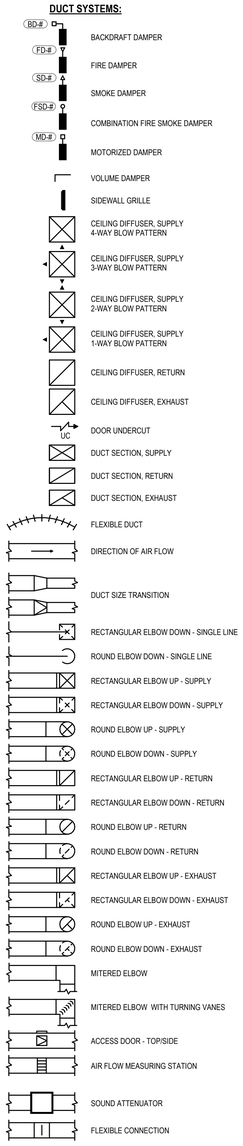
PLUMBING SANITARY AND VENT RISER DIAGRAM

P-402
BID PACKAGE 2

DUCT SYSTEMS:



HVAC SENSORS:

CO2	CARBON DIOXIDE
CO	CARBON MONOXIDE
DS	DEW POINT
G	GAS
H	HUMIDITY
NO	NITROGEN OXIDE
P	RELATIVE PRESSURE MONITOR
R	REFRIGERANT MONITOR
SD	SMOKE DETECTOR
SP	STATIC PRESSURE
T	THERMOSTAT
TS	TEMPERATURE

DUCT INSULATION NOTES:

ALL EXPOSED DUCT WORK IN CONDITIONED SPACES — 1" LINED OR SPIRAL DUCT

ALL EXTERIOR DUCTWORK — MIN. R-12

ALL CONCEALED SUPPLY AND RETURN DUCT — MIN. R-6

ALL EXHAUST UP TO 10'-0" FROM DISCHARGE — MIN. R-6

ALL HEATING AND COOLING HYDRONIC PIPING — MIN. 2"

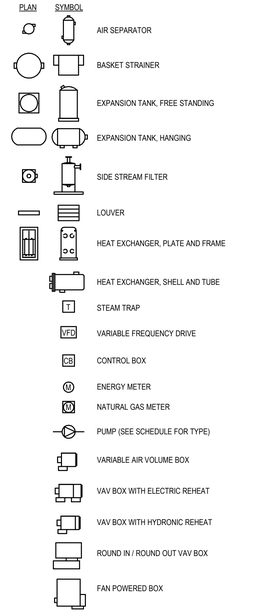
CONDENSATE PIPING — MIN. 1"

NOTE:
ALL SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES AND WITH A MINIMUM OF R-12 INSULATION WHEN LOCATED OUTSIDE THE BUILDING ENVELOPE. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-12 INSULATION. ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS, AND CONNECTIONS IN DUCTWORK SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS, MASTIC-PLUS-EMBEDDED-FABRIC SYSTEMS OR TAPES. TAPES AND MASTICS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A OR UL 181B. DUCT CONNECTIONS TO FLANGES OF AIR DISTRIBUTION SYSTEM EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED. DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS.

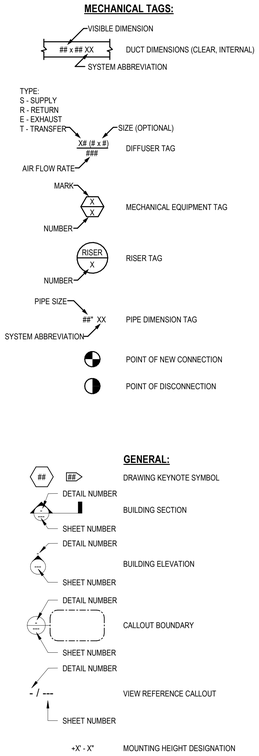
GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR AS REQUIRED TO INSTALL A COMPLETE AND OPERABLE HVAC SYSTEM PER THE NEW ARCHITECTURAL LAYOUT AND AS TO COMPLY WITH THE SPECIFICATION, DETAILS,THIS SCOPE OF WORK AND ALL APPLICABLE CODES.
2. ALL WORK PERFORMED SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL CODES.
3. 3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE ALL NEW WORK WITH ALL TRADES PRIOR TO ANY WORK BEING DONE TO INSURE CONFLICTS DO NOT OCCUR.
4. DISRUPTION OF ANY EXISTING SERVICE SHALL BE CLEARED WITH THE OWNER AND SHALL BE PERFORMED AT A TIME AND IN A MANNER SO AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE.
5. ALL DUCT SIZES INDICATED ON PLANS AND RISERS ARE CLEAR INSIDE DIMENSIONS. DUCT SIZES NOT SHOWN SHALL BE SIZED TO VELOCITIES NO GREATER THAN UPSTREAM SECTION USING SIMILAR ASPECT RATIOS.
6. 6. ALL SUPPLY AIR TAKEOFFS FROM MAIN TRUNK DUCTS ARE TO BE INSTALLED WITH BELL MOUTH FITTINGS OR 45 DEGREE ENTRY TO PROVIDE THE SMOOTHEST AIR FLOW POSSIBLE.
7. PROVIDE TURNING VANES IN ALL LOW-PRESSURE 90-DEGREE DUCT TURNS.
8. ALL THERMOSTAT LOCATIONS SHALL BE APPROVED BY THE ARCHITECT.
9. ALL DUCTS LOCATED ABOVE INACCESSIBLE CEILINGS ARE TO BE BALANCED PRIOR TO CEILING INSTALLATIONS.
10. CONTRACTOR SHALL PROVIDE ACCESS DOORS FOR SERVICE AND MAINTENANCE OF ALL EQUIPMENT LOCATED ABOVE INACCESSIBLE CEILINGS.
11. PROVIDE GUIDES, HANGERS, EXPANSION LOOPS AND SUPPLEMENTARY STEEL SUPPORT WHERE REQUIRED FOR ALL PIPING.
12. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTM E84 OR UL 723. PVC VENT PIPING IN PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.

MECHANICAL EQUIPMENT:



MECHANICAL TAGS:



GENERAL:

MECHANICAL ABBREVIATIONS:

AC	AIR CONDITIONER
ACH	AIR CHANGES PER HOUR
AF	AIR FILTER
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
BAS	BUILDING AUTOMATION SYSTEM
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CC	COOLING COIL
CF	CUBIC FEET
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CO	CLEANOUT
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CONSTANT AIR VOLUME
DAT	DISCHARGE AIR TEMPERATURE
DB	DECIBEL OR DRY BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROL
DH	DUCT HEATER
DX	DIRECT EXPANSION
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
FA	FREE AREA
FC	FAN COIL
FD	FIRE DAMPER
FH	FUME HOOD
FPB	FAN POWERED BOX
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FREEZE STAT
FSD	COMBINATION FIRE/SMOKE DAMPER
GA	GAUGE
GAL	GALLON
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HUMIDISTAT
HC	HEATING COIL
HD	HOOD OR HEAT DETECTOR
HEPA	HIGH EFFICIENCY PARTICULATE AIR FILTER
HP	HORSEPOWER OR HEAT PUMP
HR	HOUR
HUM	HUMIDIFIER
HX	HEAT EXCHANGER
HZ	HERTZ
IN W.C.	INCHES WATER COLUMN
IN W.G.	INCHES WATER GAUGE
KW	KILOWATT
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSAND BTUH
NC	NORMALLY CLOSED
NK	NECK
NO	NORMALLY OPEN
P	PUMP
PA	PASCAL
PH	PHASE
PRV	PRESSURE REDUCING VALVE
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RO	RELIEF OPENING
RPM	REVOLUTIONS PER MINUTE
SAT	SUPPLY AIR TEMPERATURE
SD	SMOKE DAMPER OR SMOKE DETECTOR
SF	SQUARE FEET OR SUPPLY FAN
SPS	STATIC PRESSURE SENSOR
T	THERMOSTAT
TD	TEMPERATURE DIFFERENCE
TO	TRANSFER OPENING
TYP	TYPICAL
UC	UNDERCUT (DOOR)
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VSD	VARIABLE SPEED DRIVE
VTR	VENT THROUGH ROOF
W	WATT
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP

GENERAL ABBREVIATIONS:

A/E	ARCHITECT/ENGINEER
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ALT	ALTERNATE
ARCH	ARCHITECT
BFG	BELOW FINAL GRADE
BLDG	BUILDING
CLG	CEILING
DIR	DIRECT
DISC	DISCONNECT
DN	DOWN
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATION REFERENCE
EM	EMERGENCY
EP	EXPLOSION PROOF
EWC	ELECTRIC WATER COOLER
F	FLUSH
FBO	FURNISHED BY OTHERS
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLR	FLOOR
FS	FLOW SWITCH
GC	GENERAL CONTRACTOR
GRD	GROUND
GYP	GYPSUM BOARD
HC	HEATING CONTRACTOR
HVAC	HEATING & VENTILATING - AIR CONDITIONING
HW	HEAVY WALL
ID	INDIRECT
IL	INTERLOCK
IU	IN UNIT
J-BOX	JUNCTION BOX
LG	LAY-IN GRID
LTG	LIGHTING
LV	LOW VOLTAGE
LVT	LINE VOLTAGE THERMOSTAT
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PLBG	PLUMBING CONTRACTOR
RM	ROOM
SURF	SURFACE
TS	TAMPER SWITCH
TYP	TYPICAL
UG	UNDERGROUND
VC	VENTILATION CONTRACTOR

DUCT SYSTEM ABBREVIATIONS:

CA	COMBUSTION AIR
CV	COMBUSTION VENT
EA-AII	EXHAUST AIR - AIRBORNE INFECTIOUS ISOLATION
EA-CH	EXHAUST AIR - CHEMICAL
EA-D	EXHAUST AIR - DRYER
EA	EXHAUST AIR - ENVIRONMENTAL
EA-K1	TYPE 1 - KITCHEN EXHAUST
EA-K2	TYPE 2 - KITCHEN EXHAUST
OA	OUTDOOR AIR
RA	RETURN AIR
SA	SUPPLY AIR

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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MECHANICAL LEGEND

M-000
BID PACKAGE 2

GENERAL NOTES:

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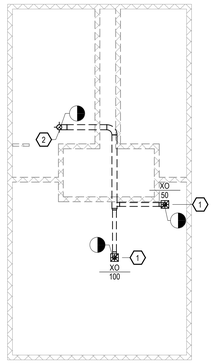
2. ALL MECHANICAL SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
3. REFER TO SHEET M-000 FOR DUCT AND PIPE INSTALLATION.
4. DUCT WORK MAINS TO BE RAN ABOVE CEILING, IN ATTIC SPACE.

#	KEYNOTES
1	EXISTING DIFFUSER TO BE DEMOLISHED. DEMOLISH ALL CORRESPONDING DUCT WORK BACK TO MAIN.
2	EXISTING 8" EXHAUST UP THROUGH ROOF TO BE DEMOLISHED. DEMOLISH ALL CORRESPONDING DUCT WORK.



1 MD101 MECHANICAL FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT
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MECHANICAL FIRST FLOOR DEMOLITION PLAN

MD101
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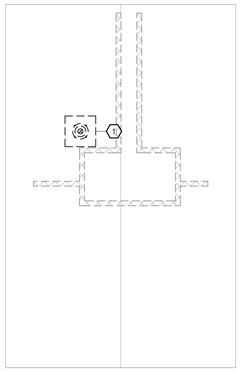
4. DUCT WORK MAINS TO BE RAN ABOVE CEILING, IN ATTIC SPACE.

**KEYNOTES**

1 EXISTING EXHAUST FAN TO BE DEMOLISHED. DEMOLISH ALL CORRESPONDING DUCT WORK BACK TO MAIN. DEMOLISH ALL CONTROL WIRING. PATCH ROOF TO MATCH EXISTING.



1 / MD102 MECHANICAL ROOF DEMOLITION PLAN
1/8" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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MECHANICAL ROOF DEMOLITION PLAN

MD102
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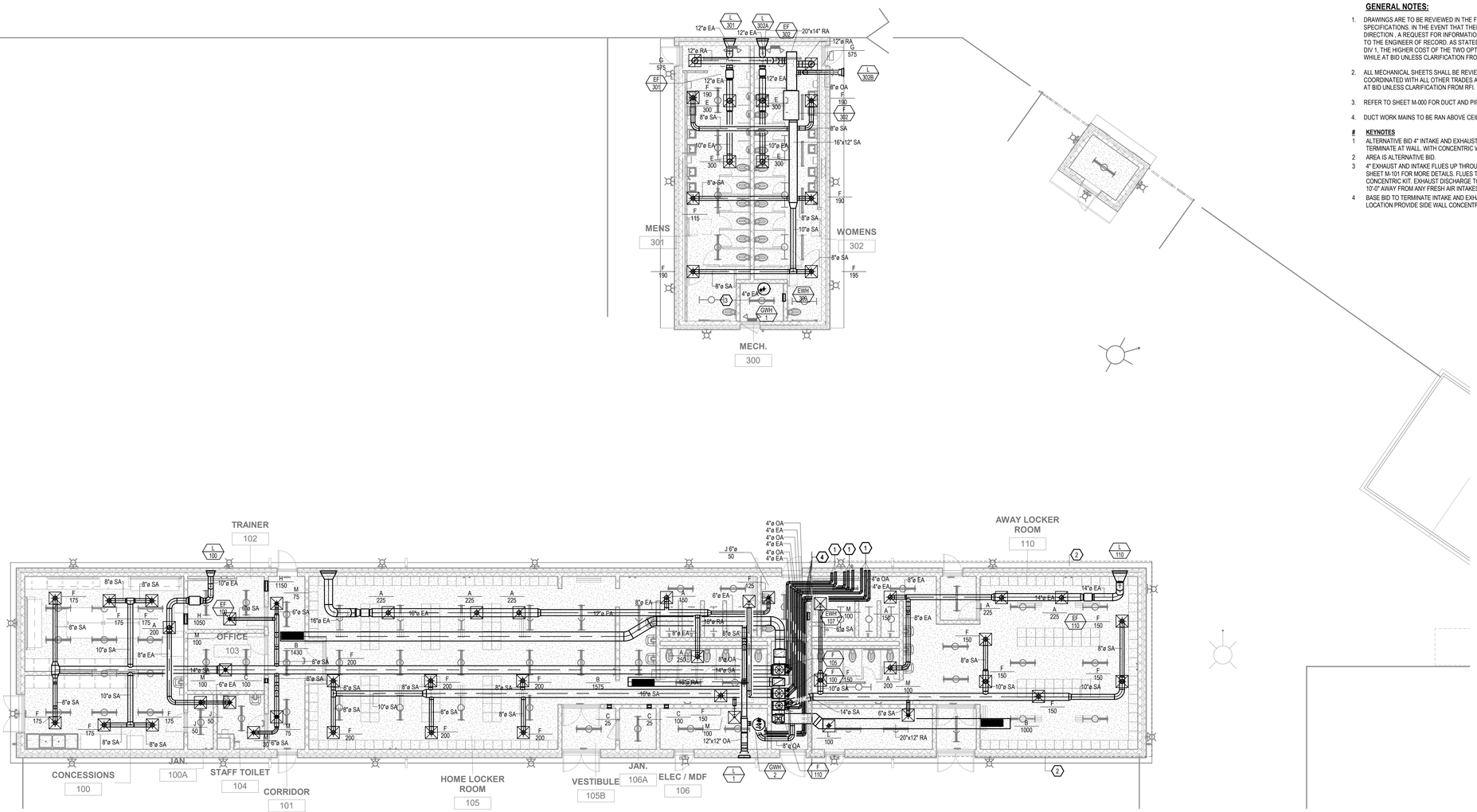

1 M-101 FIRST FLOOR MECHANICAL PLAN - HVAC
1/8" = 1'-0"

GENERAL NOTES:

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3. REFER TO SHEET M-000 FOR DUCT AND PIPE INSTALLATION.
4. DUCT WORK MAINS TO BE RAN ABOVE CEILING, IN ATTIC SPACE.

#	KEYNOTES
1	ALTERNATIVE BID 4" INTAKE AND EXHAUST FLUES TO TERMINATE AT WALL. WITH CONCENTRIC WALL KITS.
2	AREA IS ALTERNATIVE BID.
3	4" EXHAUST AND INTAKE FLUES UP THROUGH ROOF. SEE SHEET M-101 FOR MORE DETAILS. FLUES TO TERMINATE WITH CONCENTRIC KIT. EXHAUST DISCHARGE TO BE A MINIMUM OF 10'-0" AWAY FROM ANY FRESH AIR INTAKES.
4	BASE BID TO TERMINATE INTAKE AND EXHAUST FLUES AT THIS LOCATION PROVIDE SIDE WALL CONCENTRIC KITS.

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT
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MECHANICAL FIRST FLOOR HVAC PLAN

M-101
BID PACKAGE 2

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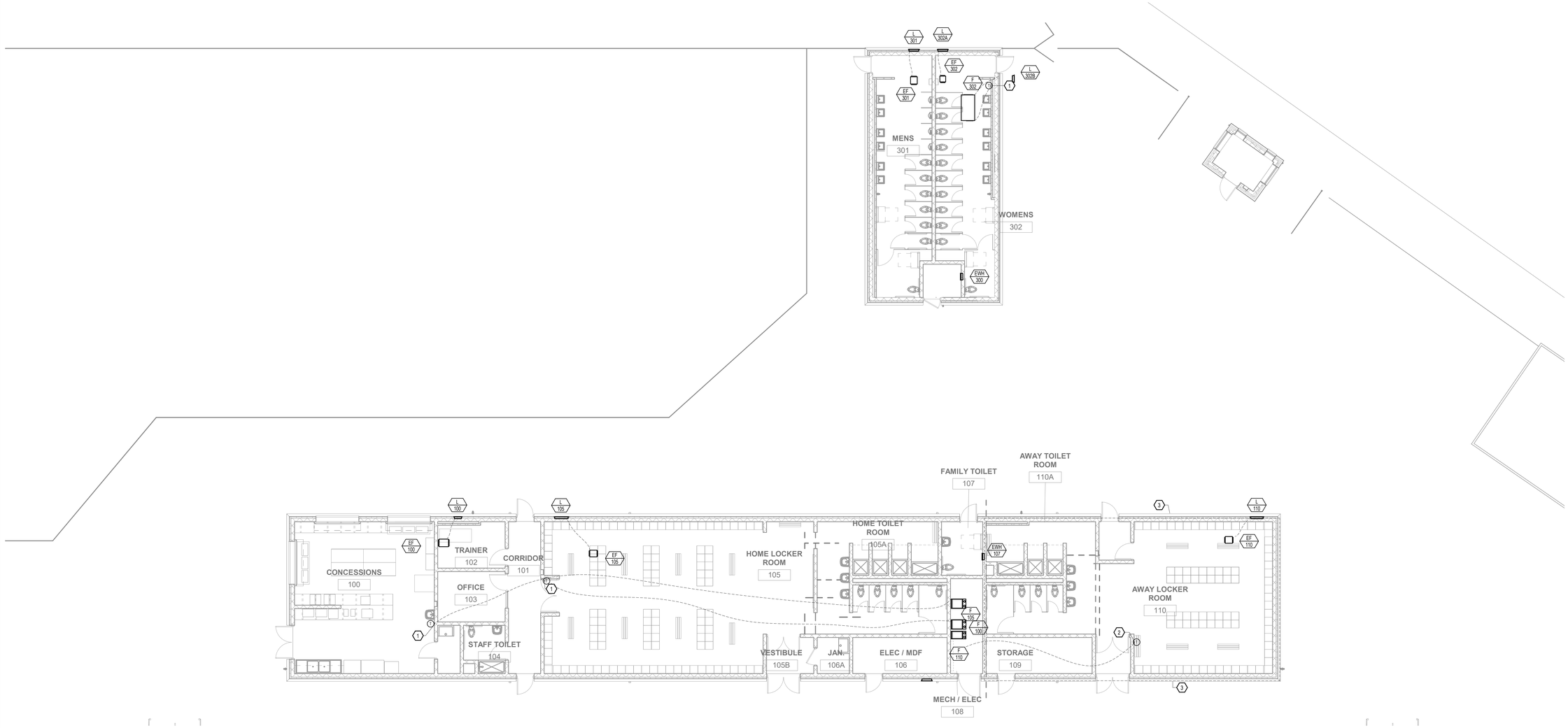
1. DRAWINGS ARE TO BE REVIEWED IN THE FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THEIR IS CROSS DIRECTION , A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATIONS DIV 1, THE HIGHER COST OF THE TWO OPTION IS TO BE TAKEN WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL MECHANICAL SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
3. REFER TO SHEET M-000 FOR DUCT AND PIPE INSTALLATION.
4. DUCT WORK MAINS TO BE RAN ABOVE CEILING, IN ATTIC SPACE.

 # KEYNOTES

1 NEW DDC THERMOSTATIC SENSOR AND DDC WIRING TO CONNECT THERMOSTAT TO CORRESPONDING EQUIPMENT. PROVIDE THERMOSTAT WITH LOCKABLE COVER OVER IT.

2 ALTERNATIVE BID. NEW DDC THERMOSTATIC SENSOR AND DDC WIRING TO CONNECT THERMOSTAT TO CORRESPONDING EQUIPMENT. PROVIDE THERMOSTAT WITH LOCKABLE COVER OVER IT.

3 AREA IS ALTERNATIVE BID.



1 / M-201 MECHANICAL FIRST FLOOR CONTROLS PLAN
1/8" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT
NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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SIGNATURE
DATE

REVISIONS

NO.	DESCRIPTION	DATE

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DRAWN BY	BMA
CHECKED BY	RK

MECHANICAL FIRST FLOOR CONTROLS PLAN

M-201
BID PACKAGE 2

IMC 2015 VENTILATION SCHEDULE

ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	FLOOR AREA (SF)	DEFAULT OCCUPANCY (#/1000 SF)	# OF PEOPLE	IMC 2021 REQUIREMENTS				ACTUAL				EQUIPMENT	
						OA (CFM/PERSON)	OA (CFM/SF)	OA (CFM)	EA (CFM)	SUPPLY (CFM)	OA (CFM)	EXHAUST (CFM)		SUPPLY FAN	EXHAUST FAN
100	CONCESSIONS	KITCHENS	727 SF	0	8	0	0.00	0	100	1050 CFM	157	200 CFM		F-100	EF-100
100A	JAN.	STORAGE (INACTIVE)	38 SF	0	0	0	0.00	0	0	0 CFM	0	50 CFM		-	EF-100
101	CORRIDOR	CORRIDORS	188 SF	0	0	0	0.06	11	0	150 CFM	22	0 CFM		F-100	-
102	TRAINER	OFFICE SPACES	104 SF	5	1	5	0.06	11	0	100 CFM	15	0 CFM		F-100	-
103	OFFICE	OFFICE SPACES	118 SF	5	1	5	0.06	12	0	100 CFM	15	0 CFM		F-100	-
104	STAFF TOILET	BATHROOMS (TOILET - PRIVATE	63 SF	0	0	0	0.00	0	50	30 CFM	4	50 CFM		F-100	-
105	HOME LOCKER ROOM	SPORTS LOCKER ROOMS	1322 SF	0	0	0	0.00	0	672	1200 CFM	180	675 CFM		F-105	EF-105
105A-1	HOME TOILET ROOM-1	SHOWER ROOM (PER SHOWER HEAD)	216 SF	0	0	0	0.00	0	80	125 CFM	18	150 CFM		F-105	EF-105
105A-2	HOME TOILET ROOM-2	TOILET ROOMS - PUBLIC	225 SF	0	0	0	0.00	0	250	150 CFM	22	250 CFM		F-105	EF-105
105B	VESTIBULE	NO REQUIREMENTS	59 SF	0	0	0	0.00	0	0	0 CFM	0	0 CFM		-	-
106	STORAGE	STORAGE ROOMS	118 SF	0	0	0	0.12	14	0	100 CFM	15	0 CFM		F-105	-
106A	JAN.	STORAGE (INACTIVE)	40 SF	0	0	0	0.00	0	0	0 CFM	0	0 CFM		-	-
107	FAMILY TOILET	TOILET ROOMS - PUBLIC	77 SF	0	0	0	0.00	0	50	0 CFM	0	50 CFM		EWH-105	EF-105
108	MECH / ELEC	STORAGE (INACTIVE)	106 SF	0	0	0	0.00	0	0	0 CFM	0	0 CFM		-	-
109	STORAGE	STORAGE ROOMS	133 SF	0	0	0	0.12	16	0	125 CFM	18	0 CFM		F-110	-
110	AWAY LOCKER ROOM	SPORTS LOCKER ROOMS	817 SF	0	0	0	0.00	0	408.5	750 CFM	112	425 CFM		F-110	EF-110
110A-1	AWAY TOILET ROOM-1	SHOWER ROOM (PER SHOWER HEAD)	162 SF	0	0	0	0.00	0	60	100 CFM	15	150 CFM		F-110	EF-110
110A-2	AWAY TOILET ROOM-2	TOILET ROOMS - PUBLIC	211 SF	0	0	0	0.00	0	200	150 CFM	22	200 CFM		F-110	EF-110
300	MECH.	STORAGE (INACTIVE)	44 SF	0	0	0	0.00	0	0	0 CFM	0	0 CFM		EWH-300	-
301	MENS	TOILET ROOMS - PUBLIC	454 SF	0	0	0	0.00	0	600	575 CFM	85	600 CFM		F-301	EF-301
302	WOMENS	TOILET ROOMS - PUBLIC	446 SF	0	0	0	0.00	0	600	575 CFM	85	600 CFM		F-302	EF-302
TOTALS								65	3070.5	5280 CFM	785	3400 CFM			

FORCED AIR FURNACE SCHEDULE

TAG	LOCATION	TYPE	FLUE SIZE (IN.)	CA INTAKE SIZE (IN.)	HEATING CAPACITY		FAN DATA		ELECTRICAL DATA						WEIGHT (LBS)	MANUFACTURER	MODEL NO.	REMARKS
					INPUT (MBH)	OUTPUT (MBH)	MAT (DB°F)	SA AIRFLOW	OA AIRFLOW	HP	MCA	MOCP	V	PH	HZ			
F 100	MECHANICAL 226	GAS FIRED	3	3	100	97	50	1430	214	0.75	13	15	120	1	60	142	FRASER-JOHNSTON	TP9C100C16MP13C	1-2
F 105	MECHANICAL 226	GAS FIRED	3	3	100	97	50	1575	236	0.75	13	15	120	1	60	142	FRASER-JOHNSTON	TP9C100C16MP13C	1-2
F 110	MECHANICAL 226	GAS FIRED	3	3	80	78	50	1125	168	0.75	13	15	120	1	60	136	FRASER-JOHNSTON	TP9C080C16MP13C	ALL
F 302	MENS 240	GAS FIRED	3	3	80	77	50	1150	172	0.75	13	15	120	1	60	136	FRASER-JOHNSTON	TP9C080B16MP13C	1-2

REMARKS:
1. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH.
2. CONDENSING UNITS TO BE PROVIDED WITH 4" TALL HOUSE KEEPING PAD.
3. FURNACE IS ALTERNATIVE BID.

EXHAUST FAN SCHEDULE

TAG	TYPE	SERVICE	CFM	ESP (IN W.C.)	MOTOR DATA					WEIGHT (LBS)	MANUFACTURER	MODEL NO.	REMARKS
					HP	RPM	V	PH	HZ				
EF-100	EXHAUST FAN	CONCESSIONS 245	300	0.10	0.05	1050	120	1	60	49	GREENHECK	SQ-95	1-5
EF-105	EXHAUST FAN	HOME LOCKER ROOM 244	1125	0.25	0.25	1621	120	1	60	45	GREENHECK	SQ-100-VG	1-5
EF-110	EXHAUST FAN	LOCKER ROOM 246	775	0.20	0.25	1391	120	1	60	45	GREENHECK	SQ-100-VG	ALL
EF-301	EXHAUST FAN	MENS 254	600	0.25	0.13	860	120	1	60	59	GREENHECK	SQ-120	1-5
EF-302	EXHAUST FAN	WOMENS 240	600	0.25	0.13	860	120	1	60	59	GREENHECK	SQ-120	1-5

REMARKS:
1. PROVIDE BACKDRAFT DAMPER AND BIRD SCREEN AT CONNECTION TO FAN ON ROOF.
2. MECHANICAL CONTRACTOR TO PROVIDE MOTOR STARTER.
3. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH.
4. EXHAUST FAN TO RUN CONTINUOUSLY DURING OCCUPIED HOURS. CONTROLS CONTRACTOR TO PROVIDE TIME CLOCK.
5. EXHAUST FAN TO CONTROL DAMPER. WHEN EXHAUST FAN TURNS ON DAMPER TO OPEN.
6. EXHAUST FAN TO BE ALTERATIVE BID.

GRILLE, REGISTERS, AND DIFFUSER SCHEDULE

TAG	AIR STREAM	MOUNTING TYPE	INLET SIZE (IN)			FRAME SIZE		MANUFACTURER	MODEL NO.	REMARKS
			DIA.	HEIGHT	WIDTH	HEIGHT	WIDTH			
A	EXHAUST	CELING	8"			2' - 0"	2' - 0"	GREENHECK	XG-7550RF	2,4,6
B	RETURN	DUCT		12"	42"	1' - 1 1/2"	3' - 7 1/2"	GREENHECK	XG-CC5	2,4,6
C	EXHAUST	DUCT		6"	8"	0' - 7 1/2"	0' - 9 1/2"	GREENHECK	XG-CC5	2,4,6
E	EXHAUST	CELING	10"			2' - 0"	2' - 0"	GREENHECK	XG-7550RF	2,4,6
F	SUPPLY	CELING	8"			2' - 0"	2' - 0"	GREENHECK	XG-5750	1-5
G	RETURN	CELING	12"			2' - 0"	2' - 0"	GREENHECK	XG-7550RF	2,4,6
H	RETURN	WALL		20"	20"	1' - 9 1/2"	1' - 9 1/2"	GREENHECK	XG-CC5	2,4,6
J	EXHAUST	CELING	6"			2' - 0"	2' - 0"	GREENHECK	XG-7550RF	2,4,6
L	RETURN	CELING	6"			2' - 0"	2' - 0"	GREENHECK	XG-7550RF	2,4,6
M	SUPPLY	CELING	6"			2' - 0"	2' - 0"	GREENHECK	XG 5750	1-5

REMARKS:
1. 4 WAY THROW UNLESS OTHERWISE NOTED.
2. PROVIDE ADAPTOR BOOTS AS REQUIRED.
3. PROVIDE WITH MANUAL VOLUME BALANCE DAMPER.
4. COORDINATE FRAME STYLES WITH ARCHITECTURAL PLANS.
5. REFER TO PLAN FOR FACE AND DUCT SIZING.
6. RETURN GRILLE TO HAVE LINED ELBOW BOOT FOR PLENUM RETURN SOUND ATTENUATION.

LOUVER SCHEDULE

TAG	AIR STREAM	STYLE	FLOW RATE (CFM)	FACE VELOCITY (FPM)	FREE AREA (SF)	WIDTH (IN.)	HEIGHT (IN.)	MANUFACTURER	MODEL NO.	REMARKS
L 1	EXHAUST	RAIN RESISTANT	725	660	0.90	22	18	GREENHECK	EVH-302-22X18	1-2
L 100	EXHAUST	RAIN RESISTANT	325	690	0.80	16	14	GREENHECK	EVH-501-16X14	1-2
L 105	EXHAUST	RAIN RESISTANT	1225	690	1.80	30	20	GREENHECK	EVH-501-30X20	1-2
L 110	EXHAUST	RAIN RESISTANT	1000	700	1.40	28	18	GREENHECK	EVH-501-28X18	ALL
L 301	EXHAUST	RAIN RESISTANT	600	660	0.90	22	18	GREENHECK	EVH-302-22X18	1-2
L 302A	EXHAUST	RAIN RESISTANT	600	660	0.90	22	18	GREENHECK	EVH-302-22X18	1-2
L 302B	EXHAUST	RAIN RESISTANT	550	690	0.80	12	14	GREENHECK	EVH-501-20X16	1-2

REMARKS:
1. LOUVER TO BE UL LISTED.
2. PROVIDE FULL LINE SAMPLES FOR REVIEW AND APPROVAL BY CLIENT, ARCHITECT, AND ENGINEER. CONTRACTOR SHOULD ASSUME THAT THE LOUVER WILL BE PAINTED TO MATCH EXTERIOR FINISHES.
3. LOUVER TO BE ALTERNATIVE BID.

ELECTRIC WALL HEATER SCHEDULE

TAG	LOCATION	AIRFLOW (CFM)	HEATING CAPACITY (KW)	ELECTRICAL DATA				WEIGHT (LBS)	MANUFACTURER	MODEL NO.	REMARKS
				AMPS	V	PH	HZ				
EWH 107	FAMILY RESTROOM 107	160	1.5	13	120	1	60	24	INDEECO	WAI	ALL
EWH 300	MECH 300	160	1.5	13	120	1	60	24	INDEECO	WAI	ALL

REMARKS
1. PROVIDE INTERNAL THERMOSTAT
2. COLOR TO BE DETERMINED AND APPROVED BY AOR.
3. CABINET HEATER TO BE WALL RECESSED MOUNTED .

LEGAT ARCHITECTS
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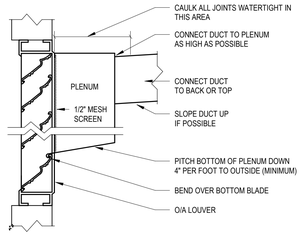
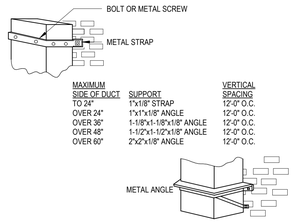
CHECKED BY	RK

MECHANICAL SCHEDULES

M-300
BID PACKAGE 2

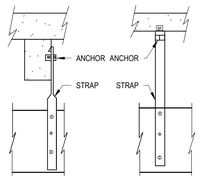


1 DUCT CONNECTION TO WATERPROOF LOUVER
M-500 NOT TO SCALE



MAXIMUM SIDE OF DUCT	SUPPORT	VERTICAL SPACING
TO 24"	1"x1/8" STRAP	12'-0" O.C.
OVER 24"	1"x1"x1/8" ANGLE	12'-0" O.C.
OVER 36"	1-1/8"x1-1/8"x1/8" ANGLE	12'-0" O.C.
OVER 48"	1-1/2"x1-1/2"x1/8" ANGLE	12'-0" O.C.
OVER 60"	2"x2"x1/8" ANGLE	12'-0" O.C.

2 DUCT SUPPORT DETAIL
M-500 NOT TO SCALE

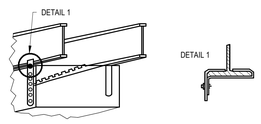


SIZING

MAXIMUM SIDE OF DUCT	STRAP SIZE	VERTICAL SPACING
TO 30"	1"x18" GA.	10'-0" O.C.
OVER 30"	1"x1/8"	10'-0" O.C.

3 DUCT SUPPORT DETAIL
M-500 NOT TO SCALE

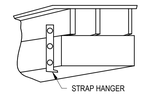
HORIZONTAL METAL DUCTS SHALL BE SUPPORTED AS REQUIRED BY TABLE NO.10-E (UMC)



SIZING

MAXIMUM SIDE OF DUCT TO AND INCLUDING 30" OVER 30"	STRAP SIZE 1"x18" GA. 1"x1/8"	VERTICAL SPACING 10'-0" O.C. 10'-0" O.C.

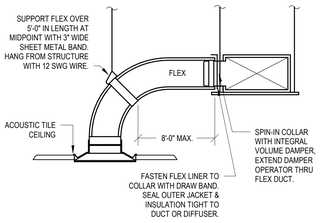
4 DUCT SUPPORT DETAIL
M-500 NOT TO SCALE



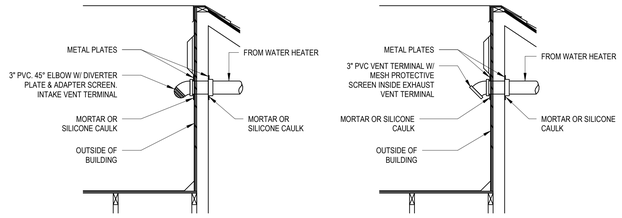
SIZING

MAXIMUM SIDE OF DUCT	STRAP SIZE	VERTICAL SPACING
TO 30"	1"x18" GA.	10'-0" O.C.
OVER 30"	1"x1/8"	10'-0" O.C.

5 DUCT SUPPORT DETAIL
M-500 NOT TO SCALE

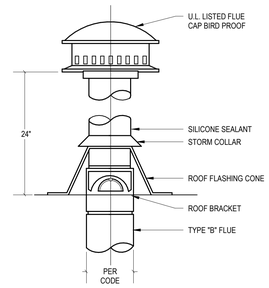


6 CEILING DIFFUSER TO DUCT CONNECTION DETAIL
M-500 NOT TO SCALE

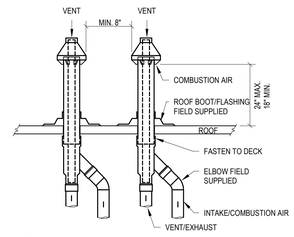


NOTE:
LOCATE INTAKE VENT A MINIMUM OF 24 INCHES AWAY FROM EXHAUST VENT.

7 WATER HEATER INTAKE & EXHAUST VENT TERMINAL DETAIL
M-500 NOT TO SCALE

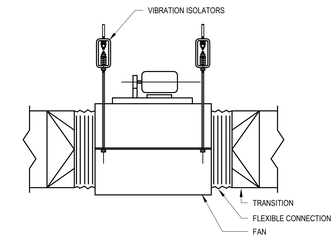


8 FLUE PIPE TERMINATION DETAIL
M-500 NOT TO SCALE

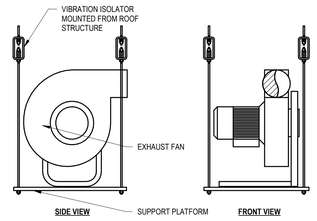


NOTE:
INSTALL CONCENTRIC VENT PER MANUFACTURER'S RECOMMENDATIONS.

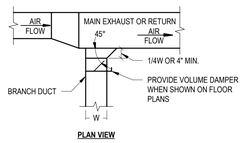
9 FURNACE CONCENTRIC VENT DETAIL
M-500 NOT TO SCALE



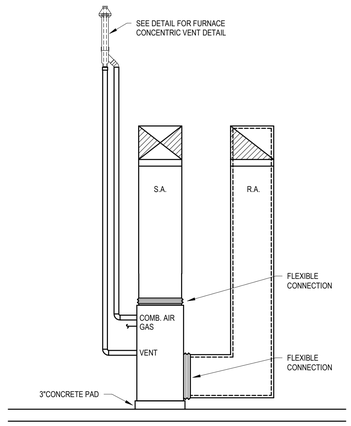
10 INLINE FAN SUPPORT DETAIL
M-500 NOT TO SCALE



11 EXHAUST FAN SUPPORT DETAIL
M-500 NOT TO SCALE



12 EXHAUST OR RETURN BRANCH DUCTOWRK DETAIL
M-500 NOT TO SCALE



13 FURNACE ELEVATION DETAIL
M-500 NOT TO SCALE

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MECHANICAL DETAILS

M-500
BID PACKAGE 2

SYMBOL LIST NOTE:

MOUNTING HEIGHTS FOR DEVICES AND EQUIPMENT TO BE MEASURED FROM FLOOR TO CENTERLINE OF DEVICE. DEVICES EXTENDING GREATER THAN 4" FROM THE WALL SHALL HAVE A MINIMUM MOUNTING HEIGHT OF 80" AFF TO BOTTOM OF DEVICE.

PANELS:

'XXX' 'XXX' — ELECTRICAL PANEL - SURFACE / RECESSED

EQUIPMENT CABINETS:

WITHOUT DOOR - SURFACE / RECESSED

WITH DOOR - SURFACE / RECESSED

XX XX — XX DENOTES THE FOLLOWING
(DACP) DOOR ACCESS CONTROL PANEL
(LCP) LIGHTING CONTROL PANEL

POWER:

SIMPLEX RECEPTACLE - MOUNTED 18" AFF UNLESS NOTED OTHERWISE

DUPLEX RECEPTACLE - MOUNTED 18" AFF UNLESS NOTED OTHERWISE

X XXX — XXX DENOTES THE RECEPTACLE TYPE OR EQUIPMENT SERVED
(WP) WEATHERPROOF WITH GFI RECEPTACLE

X DENOTES CIRCUIT NUMBER

DUPLEX RECEPTACLE - GFCI (INDICATED BY CENTER HATCH) - MOUNTED 18" AFF UNLESS NOTED OTHERWISE

DUPLEX RECEPTACLE - GFCI - MOUNTED 4" ABOVE COUNTERTOP OR COUNTER BACKSPLASH WHERE PRESENT

DUPLEX RECEPTACLE - MOUNTED 4" ABOVE COUNTERTOP OR COUNTER BACKSPLASH WHERE PRESENT

NON NEMA 5-20R RECEPTACLE

QUADRUPLEX RECEPTACLE - MOUNTED 18" AFF UNLESS NOTED OTHERWISE

QUADRUPLEX RECEPTACLE - MOUNTED 4" ABOVE COUNTERTOP OR COUNTER BACKSPLASH WHERE PRESENT

DISCONNECT SWITCH

FUSED DISCONNECT SWITCH

METER SOCKET

TRANSFORMER. WALL / FLOOR MOUNTED

T-XX T-XX — INDICATES TRANSFORMER MOUNTED ON EQUIPMENT PAD

JUNCTION BOX

PULL BOX

H — HANDHOLE

GROUND ROD

GROUND BAR

MARK — X / X — NUMBER — EQUIPMENT TAG

GENERAL:

— DRAWING KEYNOTE SYMBOL

DETAIL NUMBER — SHEET NUMBER — BUILDING SECTION

DETAIL NUMBER — SHEET NUMBER — BUILDING ELEVATION

DETAIL NUMBER — SHEET NUMBER — CALLOUT BOUNDARY

DETAIL NUMBER — SHEET NUMBER — VIEW REFERENCE CALLOUT

+X' - X" — MOUNTING HEIGHT DESIGNATION

TECHNOLOGY:

TECHNOLOGY OUTLET WITH BACKBOX, CONDUIT, AND DEVICES AND CABLES. 4" ABOVE COUNTER/COUNTER BACKSPLASH WHERE PRESENT.

TECHNOLOGY OUTLET WITH BACKBOX, CONDUIT, AND DEVICES AND CABLES. 18" AFF UNLESS NOTED OTHERWISE.

TECHNOLOGY OUTLET WITH BACKBOX, CONDUIT, AND DEVICES AND CABLES. FURNITURE MOUNTED.

WAP WAP — WIRELESS ACCESS POINT

SLEEVE THROUGH WALL

FIRE RATED SLEEVE THROUGH FLOOR

CONDUIT SLEEVE THROUGH FLOOR

FREE STANDING OPEN FRAME DATA CABINET.
(HEAVY LINE INDICATES FRONT OF CABINET)

FREE STANDING ENCLOSED FRAME DATA CABINET.
FLOOR MOUNTED / WALL MOUNTED.
(HEAVY LINE INDICATES FRONT OF CABINET)

GROUND BUS BAR

TELEVISION SYSTEM

LIGHTING:

NOTE: SHADING ANY OF THE LIGHTING FIXTURE INDICATES UNIT IS WIRED TO AN EMERGENCY OR NIGHT LIGHTING CIRCUIT.

CEILING MOUNTED FIXTURE - SURFACE / RECESSED

1Ra A — FIXTURE DESIGNATION (SEE SCHEDULE)
SWITCH LEG. NO DESIGNATION INDICATES PORTION OF CIRCUIT SWITCHED FROM LOCAL SWITCH AND/OR OCCUPANCY SENSOR
SWITCHING DEVICE. NO DESIGNATION INDICATES PORTION OF CIRCUIT SWITCHED FROM LOCAL SWITCH AND/OR OCCUPANCY SENSOR.
CIRCUIT NUMBER

STRIP LIGHT FIXTURE

POLE MOUNTED FIXTURE

WALL MOUNTED FIXTURE - SURFACE / RECESSED

EXIT LIGHT - WALL MOUNTED / CEILING MOUNTED
PROVIDE DIRECTIONAL ARROWS AS INDICATED ON PLAN

EMERGENCY BATTERY POWER SPOT ILLUMINATION UNIT - DUAL HEAD LIGHT - WALL MOUNT 12" BELOW CEILING UNLESS NOTED OTHERWISE.

SWITCHING DEVICES:

NOTE: ALL SWITCHING DEVICES SHALL BE MOUNTED AT 44" AFF, UNLESS OTHERWISE NOTED.

X XX — SINGLE POLE TOGGLE SWITCH

XX DENOTES THE FOLLOWING
(2) DOUBLE POLE
(3) 3 WAY
(4) 4 WAY
(DLS) DUAL LEVEL SWITCHING
(K) KEY OPERATED
(P) WITH PILOT LIGHT INDICATION
(T) TIMER SWITCH
(OV) OVERRIDE
X DENOTES SWITCH DESIGNATION (LOWER CASE)

DIMMER SWITCH

OS — OCCUPANCY SENSOR

VS — VACANCY SENSOR

PC — PHOTO-CONTROL

T — TIME CLOCK

L — LOW VOLTAGE SWITCH

SECURITY:

S — SECURITY CAMERA - PROVIDE 1" CONDUIT TO SURFACE MOUNTED BACK BOX WITH CAT-6A JACK AND CABLE.

SURFACE MOUNTED BOX:
PANDUIT CBX1WH-A (OR EQUIVALENT)

DATA JACK:
PANDUIT CJ6X88TGGR (OR EQUIVALENT)

S XX — S XX — SECURITY, ACESS CONTROL, AND DOOR MOUNTING - CEILING/WALL MOUNT

XX DENOTES THE FOLLOWING
(CR) CARD READER
(ES) ELECTRIC STRIKE

SYSTEMS:

P P — PAGING AND SOUND SYSTEM - CEILING / WALL

ELECTRICAL ABBREVIATIONS

A/E	ARCHITECT/ENGINEER	HPS	HIGH PRESSURE SODIUM
ABV	ABOVE	HV	HIGH VOLTAGE
AFF	ABOVE FINISHED FLOOR	HVAC	HEATING & VENTILATING - AIR CONDITIONING
AFG	ABOVE FINISHED GRADE	HVC	HEATING VENTILATING CONTRACTOR
AIC	AVAILABLE INTERRUPTING CURRENT	HW	HEAVYWALL
ALT	ALTERNATE	ID	INDIRECT
ALT SW	ALTERNATOR SWITCH	IL	INTERLOCK
ARCH	ARCHITECT	IMC	INTERMEDIATE METAL CONDUIT
ATS	AUTOMATIC TRANSFER SWITCH	INC	INCANDESCENT
BFG	BELOW FINAL GRADE	IU	IN UNIT
BKR	BREAKER	J-BOX	JUNCTION BOX
BLDG	BUILDING	LG	LAY-IN GRID
BOL	BUILT IN OVERLOAD	LTG	LIGHTING
BPC	BOLTED PRESSURE CONTACT SWITCH	LV	LOW VOLTAGE
CATV	CABLE TELEVISION	LVT	LINE VOLTAGE THERMOSTAT
CB	CIRCUIT BREAKER	MAG	MAGNETIC STARTER
CCTV	CLOSED CIRCUIT TELEVISION	MAN	MANUAL STARTER
CKT	CIRCUIT	MCC	MOTOR CONTROL CENTER
CLG	CEILING	MDP	MAIN DISTRIBUTION PANEL
CP	CONTROL PANEL	MLO	MAIN LUGS ONLY
CS	COMBINATION STARTER	MSB	MAIN SWITCHBOARD
CT	CURRENT TRANSFORMER	MTD	MOUNTED
DE	DUAL ELEMENT FUSES	NIC	NOT IN CONTRACT
DIR	DIRECT	NU	NEAR UNIT
DISC	DISCONNECT	OU	ON UNIT
DN	DOWN	P	POLE
EC	ELECTRICAL CONTRACTOR	PB	PUSH BUTTON
ELEV	ELEVATION REFERENCE	PC	PHOTO CONTROL
EM	EMERGENCY	PE SW	PNEUMATIC SWITCH
EMT	ELECTRIC METALLIC TUBING	PEND	PENDANT
ENT	ELECTRICAL NON-METALLIC TUBING	PLBG	PLUMBING CONTRACTOR
EOL	END OF LINE RESISTOR	PNL	PANEL
EP	EXPLOSION PROOF	R	RELAY
EWC	ELECTRIC WATER COOLER	REC	RECESS
F	FLUSH	RECEPT	RECEPTACLE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	RM	ROOM
FACP	FIRE ALARM CONTROL PANEL	RVS	REDUCED VOLTAGE STARTING
FBO	FURNISHED BY OTHERS	S	SPLINE
FDR	FEEDER	SEL SW	SELECTOR SWITCH
FIXT	FIXTURE	SP SW	SPEED SWITCH
FLA	FULL LOAD AMPS	SURF	SURFACE
FLR	FLOOR	SW	SWITCH
FLUOR	FLUORESCENT	TC	TIME CLOCK
FS	FLOW SWITCH	TCC	TEMPERATURE CONTROL CONTRACTOR
FVNR	FULL VOLTAGE NON-REVERSING	TCP	TEMPERATURE CONTROL PANEL
GC	GENERAL CONTRACTOR	TS	TAMPER SWITCH
GFI	GROUND FAULT INTERRUPTER	TYP	TYPICAL
GRC	GALVANIZED RIGID CONDUIT	UG	UNDERGROUND
GRD	GROUND	UNIV	UNIVERSAL
GYP	GYPSUM BOARD	USS	UNIT SUBSTATION
HID	HIGH INTENSITY DISCHARGE	WP	WEATHERPROOF
HOA	HAND-OFF-AUTO SWITCH	XFMR	TRANSFORMER
HP	HORSEPOWER		

RENOVATION LEGEND

TAG	PLAN SHEET LINETYPE	ONE-LINE LINETYPE	DESCRIPTION
X			EXISTING FIXTURE TO REMAIN
XO			EXISTING TO BE REMOVED
XRL			EXISTING TO BE RELOCATED
N			NEW FIXTURE
XNL			EXISTING FIXTURE IN NEW LOCATION

GENERAL NOTES

1. THE CONTRACTOR PROPOSING TO PERFORM THE ELECTRICAL WORK SHALL VISIT THE JOB SITE AND FULLY INFORM THEMSELVES OF ALL CONDITIONS THAT AFFECT THE WORK, OR COST THEREOF, AND EXAMINE THE DRAWINGS AND SPECIFICATIONS PRIOR TO SUBMITTING HIS BID.
2. ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER DRAWINGS RELATED TO THE PERFORMANCE OF THE WORK.
3. THE CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THIS WORK SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT SPECIFICATIONS BEFORE COMMENCING ANY WORK. THE PROJECT SPECIFICATIONS AND DRAWINGS FORM THE BASIS OF THIS CONTRACT REQUIREMENTS AND INCLUDE THE TYPE AND GRADE OF MATERIALS TO BE INSTALLED, EQUIPMENT TO BE FURNISHED, THE MANNER BY WHICH TO BE INSTALLED AND WHERE TO BE LOCATED. IN THE EVENT OF A CONFLICT BETWEEN THE PROJECT SPECIFICATIONS AND DRAWINGS, SPECIFICATIONS GOVERN UNLESS THE ARCHITECT/ENGINEER DIRECTS OTHERWISE.
4. THE ELECTRICAL CONTRACTOR SHALL CHECK CAREFULLY ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS THAT ARE PART OF THIS PROJECT TO ENSURE THAT NO FIXTURE, OUTLET, ALARM STATION OR CONTROL AND POWER WIRING IS OMITTED. HE SHALL CONSULT ALL TRADES FURNISHING EQUIPMENT AND OBTAIN FROM THEM ALL DATA. IN SOME CASES EQUIPMENT, FIXTURES AND DEVICES ARE SHOWN ONLY. ASCERTAIN AND PROVIDE THE WIRING AND CONTROL STATIONS REQUIRED FOR THE PROPER FUNCTION OF BUILDING EQUIPMENT. NO EXTRA CHARGES SHALL BE ACCEPTED BY OWNER AFTER BIDDING FOR SUCH EQUIPMENT AND LABOR.
5. EQUIPMENT LABELS AND INSTRUCTIONS REGARDING THE APPLICATION AND INSTALLATION OF THE LISTED EQUIPMENT SHALL BE FOLLOWED TO ENSURE THAT THE EQUIPMENT IS BEING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING INSTRUCTIONS. THE TEMPERATURE RATING OF THE EQUIPMENT TERMINATIONS MUST BE CAREFULLY CORRELATED WITH THE CONDUCTOR AMPACITY TO PREVENT OVERHEATING AND PREMATURE FAILURE.
6. COORDINATE WORK WITH OTHER TRADES AND INSTALL CONDUIT AND BOXES TO CLEAR EMBEDDED DUCTS, OPENINGS AND OTHER STRUCTURAL FEATURES.
7. ALL LIGHTING FIXTURES ARE TO BE LOCATED AS REQUIRED ON THE JOB TO CLEAR DUCTS, PIPING, EQUIPMENT, AND/OR MECHANICAL UNITS.
8. CONDUIT RUNS SHOWN ON DRAWINGS ARE DIAGRAMMATIC. ALL CONDUITS SHALL RUN CONCEALED, EXCEPT IN EQUIPMENT ROOMS AND WHERE APPROVED BY ARCHITECT.
9. FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CODE REQUIREMENTS.
10. POWER AND DATA DEVICES SHALL BE SPACED NO MORE THAN 4" APART. PROVIDE JUNCTION BOX MOUNTING BRACKET BETWEEN STUDS AS NEEDED.
11. ALL RECEPTACLES, TELEPHONE, AND DATA OUTLETS SHALL BE MOUNTED AT 18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. ALL DEVICES SHALL BE NEW UNLESS OTHERWISE NOTED.
12. ALL FIRE ALARM SIGNAL DEVICES SHALL BE MOUNTED AT 80" AFF IN ACCORDANCE WITH ADA, UNLESS OTHERWISE NOTED.
13. DETERMINE, IN ADVANCE OF PURCHASE, THAT ALL ELECTRICAL MATERIALS AND EQUIPMENT TO BE INSTALLED SHALL FIT INTO THE ROOM OR SPACE ALLOCATED, AS INDICATED ON THE DRAWINGS, ALLOWING SUFFICIENT CLEARANCE FOR THE SAFE SERVICE AND/OR MAINTENANCE OF RELATED EQUIPMENT, INCLUDING THAT OF OTHER TRADES.
14. TELEPHONE AND DATA WIRING SHALL BE PROVIDED BY EC. EC SHALL PROVIDE REQUIRED JUNCTION BOXES, CONDUIT, AND CABLING FOR ALL NEW TELEPHONE AND DATA LOCATIONS.
15. SECURITY CAMERAS SHALL BE PROVIDED BY SCHOOL DISTRICT AND INSTALLED BY EC. COORDINATE ALL CAMERA LOCATIONS WITH SCHOOL DISTRICT.
16. ALL DATA, SECURITY, VOICE, AND ACCESS POINT CABLING SHALL BE PER SCHOOL DISTRICT STANDARD. CABLE TERMINATION JACKS AND CABLING TO BE COLOR-CODED PER SCHOOL DISTRICT'S STANDARDS. (DATA - BLUE, CAMERAS - GREEN) PROVIDE 10' SERVICE LOOPS AT END OF CABLE. DATA AND SECURITY CABLING IN BUILDING SHALL BE PULLED TO DATA RACK IN PRESSBOX.
17. CONDUCTORS SUPPLYING CIRCUITS SHALL NOT BE LESS THAN #12 AWG COPPER FOR ANY CIRCUIT.
18. AT THE COMPLETION OF THE JOB, IT WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO TURN OVER TO THE BUILDING MANAGER AN AS-BUILT-DRAWING IN REPRODUCIBLE FORM. THESE DRAWINGS DO NOT HAVE TO BE MADE FROM SCRATCH. THE ENGINEER'S REFLECTED CEILING AND ELECTRICAL/TELEPHONE PLANS MAY BE USED AS BACKGROUND WITH THE ACTUAL CIRCUITING CHANGES ADDED.
19. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL J-BOX AND 3/4"C FOR MECHANICAL THERMOSTAT + CONTROLS. COORDINATE FINAL LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
20. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE 2014 NEC AND THE LATEST REQUIREMENTS OF ALL CODES AND REGULATIONS.
21. ALL EXTERIOR RECEPTACLES SHALL HAVE METAL WHILE IN USE COVERS.
22. EC SHALL UPSIZE WIRE AND CONDUIT AS REQUIRED FOR VOLTAGE DROP. BRANCH CIRCUITS SHALL BE INSTALLED WITH A MAXIMUM OF A 3% VOLTAGE DROP, AND FEEDERS SHALL BE INSTALLED WITH A MAXIMUM OF 2% VOLTAGE DROP. NO ELECTRICAL CIRCUITS SHALL EXCEED A VOLTAGE DROP OF MORE THAN 5%.
23. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS A CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
24. ALL EXPOSED ELECTRICAL CONDUIT, CABLE, AND JUNCTION BOXES INSTALLED OPEN CEILING CEILINGS SHALL BE PAINTED. MC CABLE AND FLEXIBLE CONDUIT SHALL BE LIMITED IN EXPOSED OPEN CEILING LOCATIONS TO A 6'-0" MAXIMUM LENGTH FOR INDIVIDUAL WHIPS FOR EQUIPMENT CONNECTIONS. INSTALL ALL CONDUIT, CABLE, AND JUNCTION BOXES IN A NEAT AND CONSISTENT MANNER. COLOR SELECTIONS BY ARCHITECT.
25. TYPE MC CABLE SHALL BE INSTALLED FOR BRANCH CIRCUITS IN ONLY CONCEALED LOCATIONS WITHIN THE SPACE THAT THE LIGHTING, EQUIPMENT, AND/OR RECEPTACLE DEVICES IT SERVES ARE LOCATED, UNLESS NOTED OTHERWISE.

DEMOLITION GENERAL NOTES

1. EACH CONTRACTOR SHALL REVIEW THE EXISTING SYSTEMS IN THE FIELD ALONG WITH BID DOCUMENTS & DETERMINE SELECTIVE DEMO & ADDITION OF TEMPORARY SYSTEMS (IF REQUIRED) TO MAKE PHASED DEMO & PROPOSED REMODELING. IT SHALL ASSURE UNINTERRUPTED SAFE OPERATION OF AREAS THAT ARE AFFECTED BY DEMO & ADDITION OF PROPOSED SYSTEMS AT ALL TIMES. INCLUDE THE NECESSARY WORK TO ACCOMPLISH THIS & COORDINATE PHASING ACCORDINGLY.
2. CONFIRM WITH THE MANUFACTURERS OF EXISTING EQUIPMENT THAT IS TO BE REUSED OR EXTENDED THAT IT IS IN GOOD WORKING ORDER.
3. WHERE EXISTING ELECTRICAL WORK PREVENTS PROPER CONSTRUCTION OF NEW WORK AS INDICATED, REMOVE, REROUTE, RELOCATE, OR IN OTHER WAYS ALTER EXISTING WORK IN ORDER TO ACCOMMODATE.
4. WHERE EXISTING CONDUIT, WIRE, SUPPORTS, HANGERS & OTHER ELECTRICAL WORK MUST BE REMOVED AS A RESULT OF THE ALTERATIONS, THEY SHALL BE COMPLETELY REMOVED, BACK TO THE FIRST OUTLET WHICH IS LEFT UNAFFECTED BY THE DEMOLITION. CONDUIT WHICH IS BURIED IN CONCRETE OR OTHERWISE INACCESSIBLY POSITIONED MAY BE ABANDONED. IN SUCH CASES, WIRE SHALL BE PULLED OUT & THE CONDUIT SHALL BE PLUGGED AT EACH END.
5. EXISTING ELECTRICAL MATERIALS AND EQUIPMENT, INCLUDING LIGHT FIXTURES, EQUIPMENT, AND OTHER DEVICES REMOVED AS A RESULT OF THE ALTERATIONS SHALL REMAIN THE PROPERTY OF THE OWNER (UNLESS OTHERWISE INDICATED) AND SHALL BE REUSED WHERE INDICATED.
6. EXAMINE THE CONDITION OF ANY MATERIALS AND EQUIPMENT TO MAKE A PRIOR DETERMINATION OF WHETHER IT IS SUITABLE FOR REUSE. PRESENT FINDINGS TO THE ENGINEER WHO WILL IN TURN MAKE THE FINAL DECISION REGARDING REUSABILITY. ALL WIRE AND CABLE FOR REUSED AND RELOCATED EQUIPMENT SHALL BE NEW.
7. IN ORDER TO COORDINATE THE WORK OF THE MECHANICAL AND ELECTRICAL TRADES, REMOVE EXISTING ELECTRICAL WORK IN AND ABOVE CEILING OF THESE AREAS (AS REQUIRED). AFTER WHICH, INSTALL NEW WORK AND REINSTALL EXISTING WORK TO REMAIN, AS SHOWN ON THE DRAWINGS. EXISTING MATERIALS AND EQUIPMENT SHALL BE REUSED ONLY WHERE INDICATED.
8. SOME EXCEPTIONS MAY ARISE WHEREIN EQUIPMENT, EITHER IN ALTERED AREAS OR OTHER AREAS, MUST BE KEPT IN SERVICE, REQUIRING THAT FEEDERS, SIGNAL CONDUCTORS, CONDUITS, BOXES, ETC. SERVING SAME ALSO BE KEPT IN SERVICE. IN SUCH CASES, THOSE ELECTRICAL FEEDERS, SIGNAL CONDUCTORS, CONDUITS, BOXES, ETC. SHALL BE REROUTED & RECONNECTED BEFORE PRESENT WORK IS REMOVED. IF THIS IS NOT POSSIBLE, TEMPORARY WIRING SHALL BE PROVIDED, AFTER WHICH NEW WORK SHALL BE INSTALLED & TEMPORARY WIRING REMOVED.
9. ANY ELECTRICAL EQUIPMENT THAT IS TAGGED TO BE DISPOSED OF SHALL BE DONE PER APPROVED METHOD IN ACCORDANCE WITH THE CONSTRUCTION PLAN & LOCAL AUTHORITIES.
10. THIS DRAWING SHOWS A REPRESENTATIVE SAMPLE OF DEMOLITION WORK THAT IS TO TAKE PLACE. NOTE THAT NOT EVERY DEVICE AND CONDUIT ETC. REQUIRED TO BE DEMOLISHED IS NECESSARILY INDICATED ON THIS PLAN. THE CONTRACTOR SHALL VISIT THE JOB SITE TO FAMILIARIZE HIMSELF WITH THE EXTENT OF EXISTING WORK TO BE DEMOLISHED.
11. ALL PROPOSED DEMOLITION WORK SHALL BE THOROUGHLY COORDINATED WITH ALL OTHER TRADES.
12. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS, FEEDERS AND BRANCH CIRCUITS PASSING THROUGH RENOVATED AREA AND SERVING UNDISTURBED AREAS.
13. ANY PORTION OF THE EXISTING CONDUIT SYSTEM THAT IS TO BE REUSED OF THE NEW INSTALLATION SHALL BE CHECKED TO ENSURE THAT IT IS CLEAN, FREE OF DAMAGE, FREE OF CORROSION AND ADEQUATELY SUPPORTED.
14. EXISTING ELECTRICAL SYSTEM IS DESCRIBED BASED ON SURVEYS OF EXISTING CONDITIONS THAT ARE VISIBLE DURING THE DESIGN PHASE. CONTRACTOR SHALL CONFIRM ALL SERVICES PRIOR TO PROCEEDING WITH DEMOLITION.
15. PATCH ALL HOLES IN SLABS, WALLS & CEILINGS WHERE ELECTRICAL DEVICES AND/OR CONDUIT ARE REMOVED. IF THE REMOVAL OF CONDUIT, BOXES, EQUIPMENT, ETC. COMPROMISES THE FIRE RATING OF THESE ITEMS, THE CONTRACTOR SHALL SEAL OPENINGS WITH CODE APPROVED FIRE STOPPING MATERIAL.
16. CONTRACTOR IS TO PERFORM DEMOLITION WORK IN A NEAT, SKILLFUL & CAREFUL MANNER SO AS NOT TO DAMAGE OR DEFACE EXISTING CONSTRUCTION THAT IS TO REMAIN.
17. WHERE FEEDERS OR BRANCH CIRCUITS ARE DISCONNECTED AND REMOVED FROM EXISTING PANEL BOARDS, CONTRACTOR SHALL MARK THE AFFECTED BREAKERS IN THOSE PANEL BOARDS AS "SPARE." INSTALL NEW KNOCK-OUT BLANK INSERT IN PANEL BOX.
18. VERIFY THAT REMOVAL OF DEVICES IN RENOVATED AREA DOES NOT AFFECT DEVICES IN OTHER AREAS THAT MAY BE FED FROM THE CIRCUIT BEING DISCONNECTED.
19. PROVIDE ADDITIONAL CABLE AND/OR CONDUIT AND WIRE AS REQUIRED FOR EXISTING TO REMAIN DEVICES TO REMAIN FULLY OPERATIONAL AFFECTED BY DEVICES SCHEDULED TO BE REMOVED AND/OR RELOCATED. NEW CONDUIT AND WIRE CHARACTERISTICS SHALL MATCH EXISTING.

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT
NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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SIGNATURE_____

DATE_____

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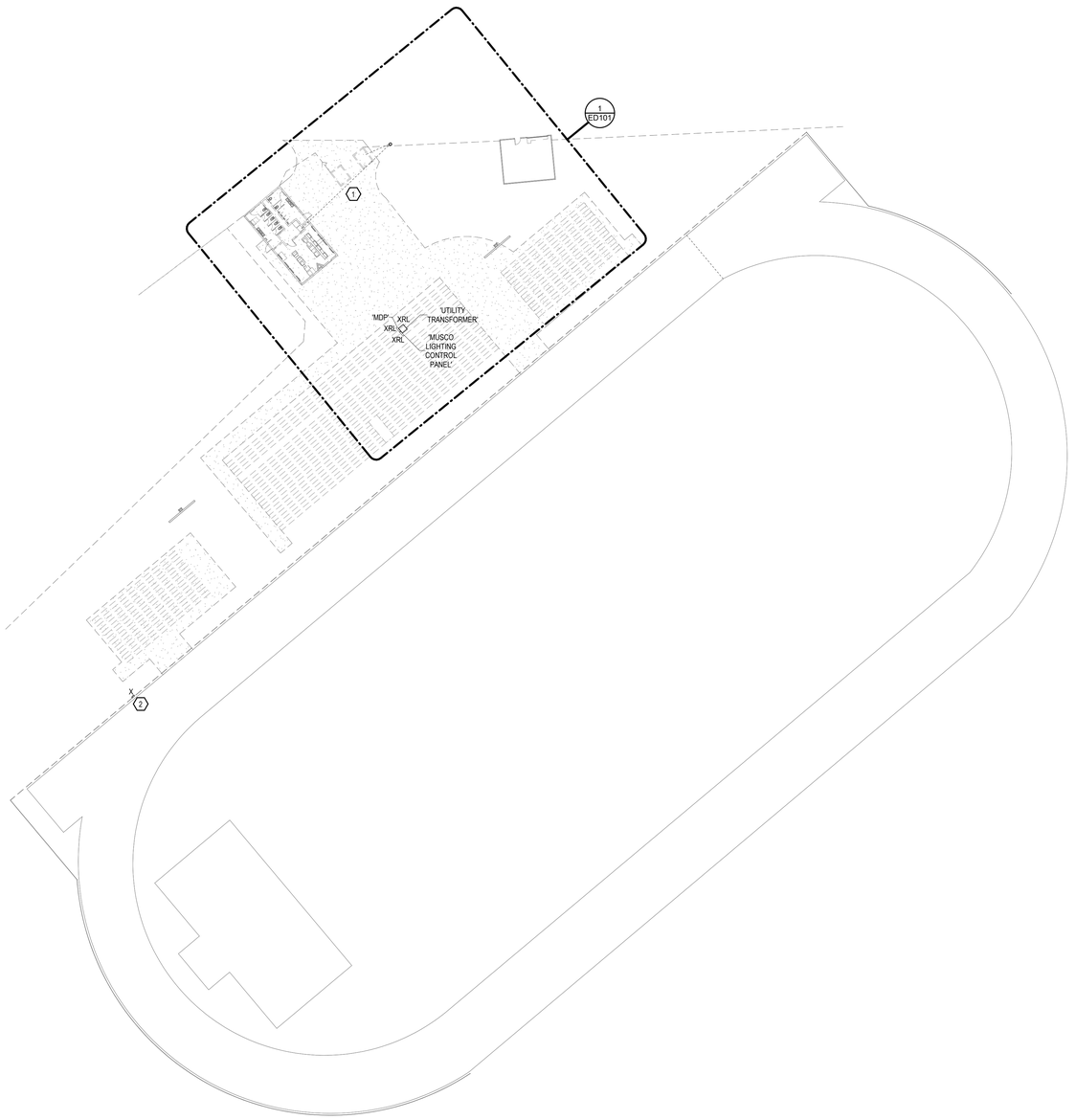
DRAWN BY	GI
CHECKED BY	NI

ELECTRICAL LEGEND AND GENERAL NOTES

E-000
BID PACKAGE 2



1 / ED100 ELECTRICAL SITE DEMOLITION PLAN

1" = 30'-0"

GENERAL NOTES:

1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. ALL DEVICES SHOWN ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
3. EC TO FIELD LOCATE ALL EXISTING BRANCH CIRCUITS FED FROM MDP AND INTERCEPT OUTSIDE OF THE NEW BUILDING FOOTPRINT AND RE-ROUTE TO RELOCATED EQUIPMENT. PROVIDE NECESSARY HANDHOLES AND PULLBOXES FOR THE RELOCATION.
4. EC TO FIELD LOCATE ALL EXISTING FEEDERS POWERING THE FILED LIGHTING. INTERCEPT FEEDERS OUTSIDE OF THE NEW BUILDING FOOTPRINT AND RE-ROUTE TO RELOCATED EQUIPMENT. PROVIDE NECESSARY HANDHOLES AND PULLBOXES FOR THE RELOCATION.

 # KEYNOTES

1 OVERHEAD LINE FROM THE OLD CONCESSION BUILDING TO THE OLD TICKET BOOTH TO BE DEMOLISHED.

2 REROUTE AND REFEED EXISTING ELECTRICAL CONNECTION FOR EXISTING TRACK TIMING PANEL. EXTEND CONDUIT AND WIRE AS NECESSARY FOR NEW ELECTRICAL PANEL LOCATIONS.

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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ELECTRICAL SITE DEMOLITON PLAN

ED100
BID PACKAGE 2

GENERAL NOTES:

1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. ALL DEVICES SHOWN ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

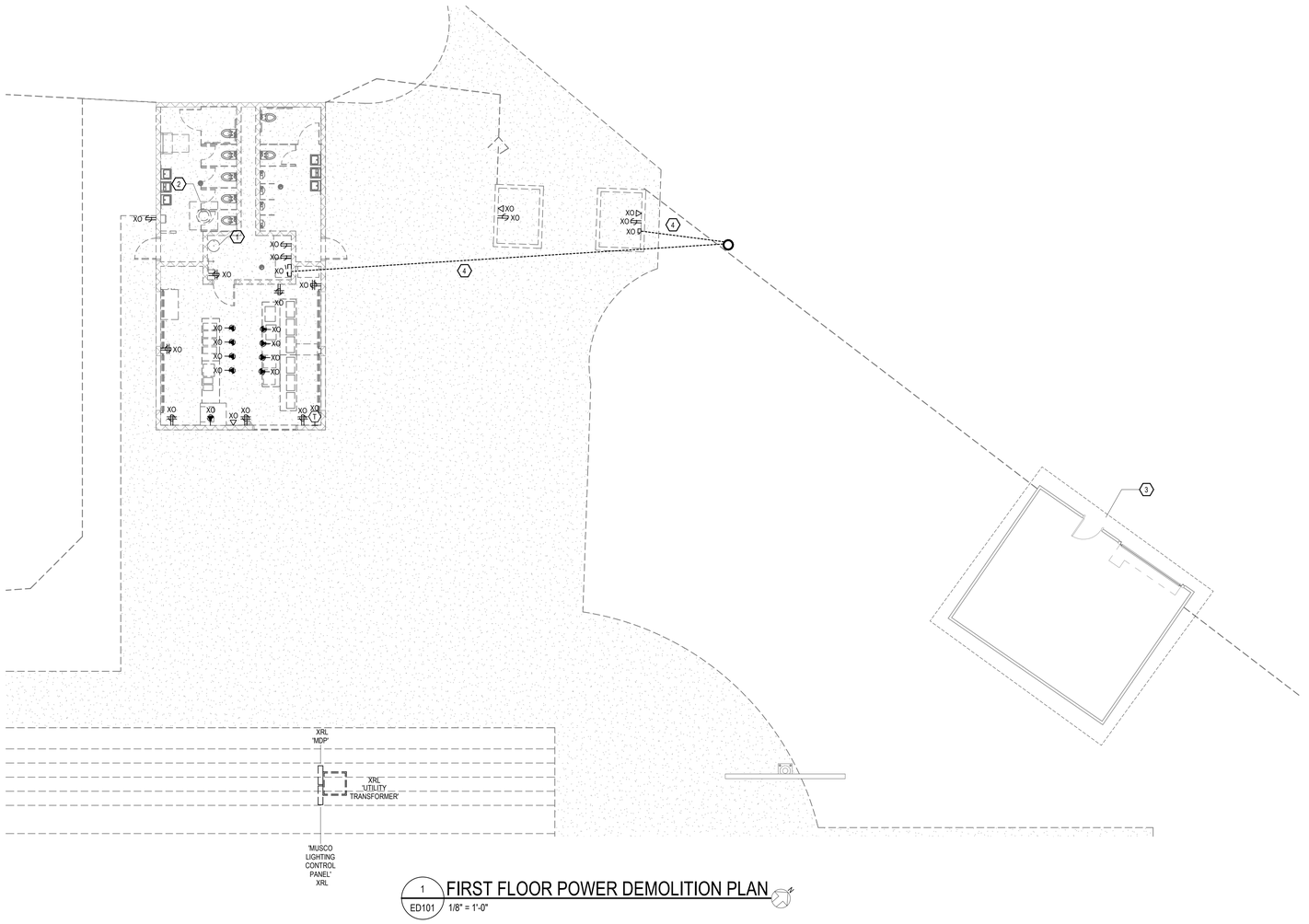
 # KEYNOTES

1 MECHANICAL EQUIPMENT IS EXISTING TO BE REMOVED. EC TO DISCONNECT AND REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT AND FEEDERS.

2 MECHANICAL EQUIPMENT ON ROOF IS EXISTING TO BE REMOVED. EC TO DISCONNECT AND REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT AND FEEDERS.

3 AREA NOT IN SCOPE.

4 OVERHEAD LINE FROM THE OLD CONCESSION BUILDING TO THE OLD TICKET BOOTH TO BE DEMOLISHED.



1 ED101 FIRST FLOOR POWER DEMOLITION PLAN
1/8" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT
NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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ELECTRICAL
DEMOLITON PLAN

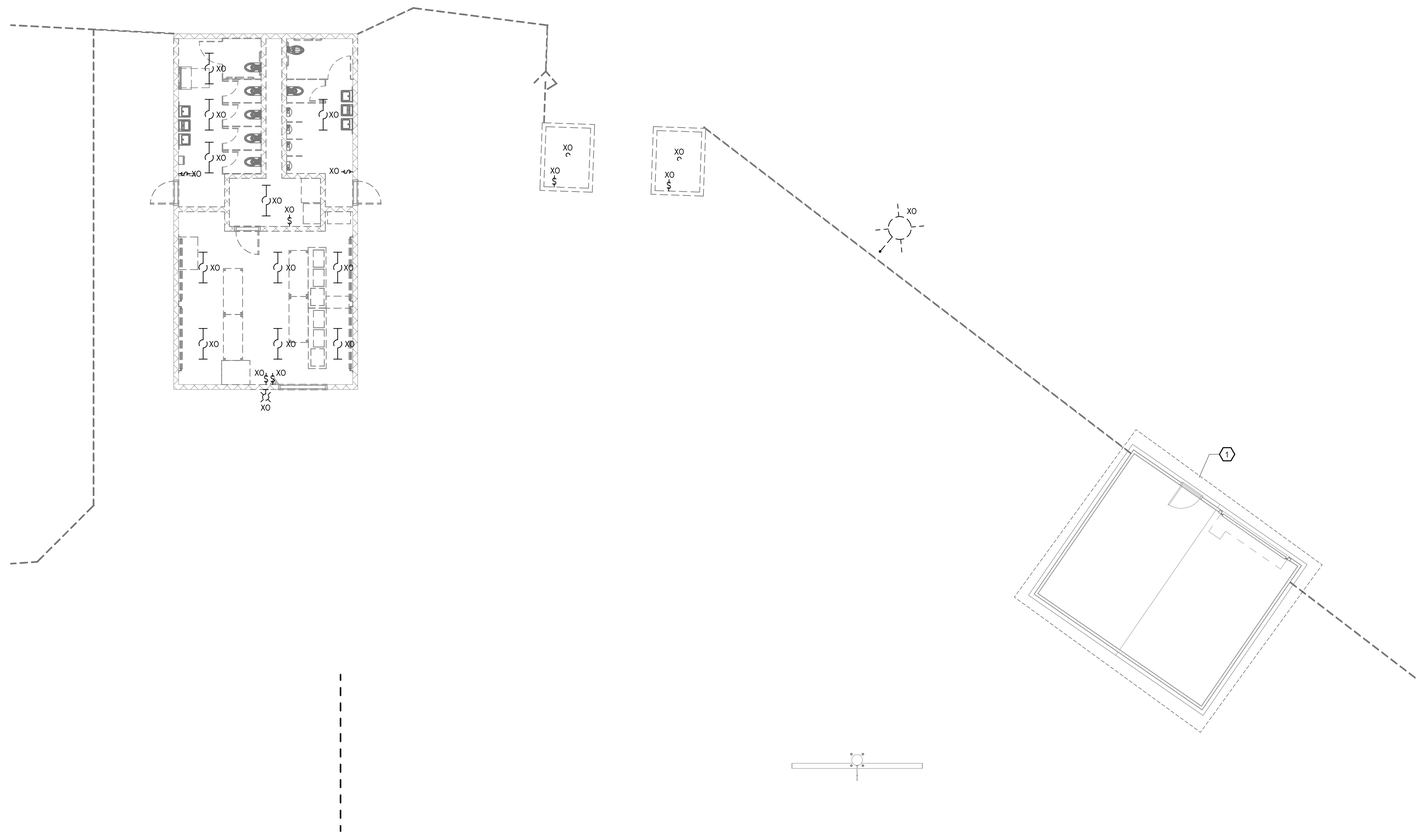
ED101
BID PACKAGE 2

GENERAL NOTES:

1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. ALL DEVICES SHOWN ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

 # KEYNOTES

1 AREA NOT IN SCOPE.



1 ED201 FIRST FLOOR LIGHTING DEMOLITION PLAN
1/8" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT
NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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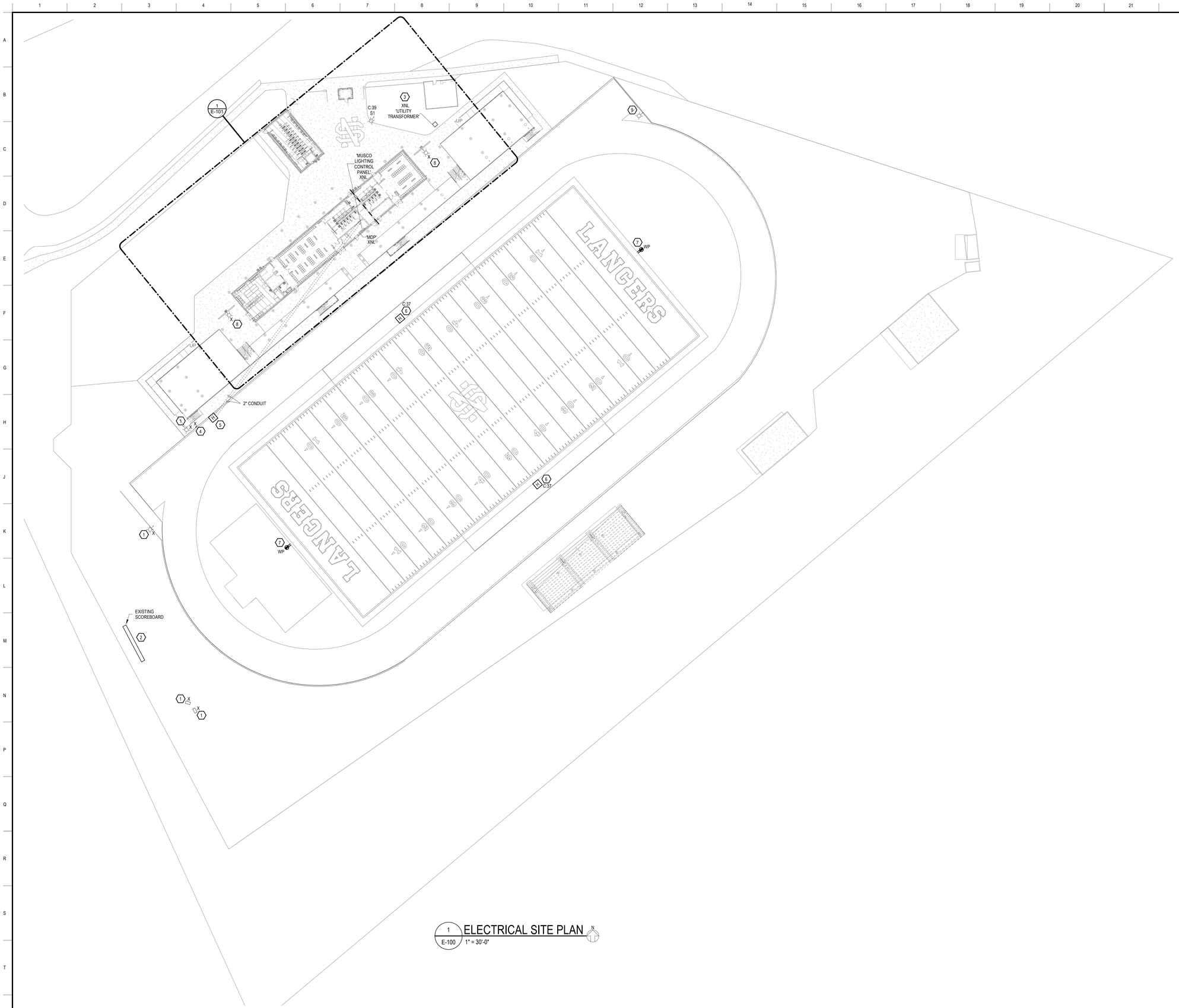
FIRST FLOOR DEMOLITION LIGHTING PLAN

ED201
BID PACKAGE 2



1 E-100 ELECTRICAL SITE PLAN

1" = 30'-0"

N

GENERAL NOTES:

1. REFER TO SYMBOLS LEGEND AND GENERAL NOTES ON SHEET E-000.
2. UTILITY POINTS OF SERVICE AND WORK/MATERIAL SHOWN ARE BASED UPON PRELIMINARY INFORMATION ONLY BY THE UTILITY COMPANIES AND ARE FOR BID PURPOSES ONLY.
3. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY FOR FINAL AND EXACT WORK/MATERIAL REQUIREMENTS AND CONSTRUCT TO UTILITY COMPANY ENGINEERING PLANS AND SPECIFICATIONS ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULL WIRES, CABLES, PULLBOXES, CONCRETE ENCASEMENT OF CONDUITS, TRANSFORMER PAD, BARRIERS, POLE RISERS, TRENCHING AND BACKFILL, AND PAY ALL UTILITY CO. FEES AND INCLUDE ALL REQUIREMENTS IN SCOPE OF WORK.
4. LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE AND CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, AND/OR CONDUITS, ETC., AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTORS SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
5. CALL UNDERGROUND ALERT BEFORE YOU DIG 1-800-292-8989.
6. MINIMUM CONDUIT SIZE SHALL BE 3/4" U.O.N.
7. ALL SITE BRANCH CIRCUIT SHALL INCLUDE A NEC SIZED EQUIPMENT GROUND CONDUCTOR.
8. ALL ELECTRICAL EQUIPMENT MOUNTED OUTDOORS SHALL BE WEATHERPROOF (NEMA 3R).
9. EC TO FIELD LOCATE ALL EXISTING BRANCH CIRCUITS FED FROM MDP AND INTERCEPT OUTSIDE OF THE NEW BUILDING FOOTPRINT AND RE-ROUTE TO RELOCATED EQUIPMENT. PROVIDE NECESSARY HANDHOLES AND PULLBOXES FOR THE RELOCATION.
10. EC TO FIELD LOCATE ALL EXISTING FEEDERS POWERING THE FILED LIGHTING. INTERCEPT FEEDERS OUTSIDE OF THE NEW BUILDING FOOTPRINT AND RE-ROUTE TO RELOCATED EQUIPMENT. PROVIDE NECESSARY HANDHOLES AND PULLBOXES FOR THE RELOCATION.

#	KEYNOTES
1	REROUTE AND REFEED EXISTING ELECTRICAL CONNECTION FOR EXISTING SITE LIGHT FIXTURES. EXTEND CONDUIT AND WIRE AS NECESSARY FOR NEW ELECTRICAL PANEL LOCATIONS.
2	REROUTE AND REFEED EXISTING ELECTRICAL CONNECTION FOR EXISTING SCOREBOARD. EXTEND CONDUIT AND WIRE AS NECESSARY FOR NEW ELECTRICAL PANEL LOCATIONS. REMOVE AND RELOCATE EXISTING SCOREBOARD CONTROLS TO NEW PRESSBOX.
3	APPROXIMATE NEW LOCATION OF UTILITY TRANSFORMER AND EXISTING PANELS. EC TO COORDINATE FINAL LOCATIONS WITH CITY AND UTILITY COMPANY PRIOR TO INSTALLATION.
4	REROUTE AND REFEED EXISTING ELECTRICAL CONNECTION FOR EXISTING TRACK TIMING PANEL. EXTEND CONDUIT AND WIRE AS NECESSARY FOR NEW ELECTRICAL PANEL LOCATIONS.
5	PROVIDE HANDHOLE BOX AT THE TRACK WITH TWO EMPTY 2" CONDUITS. EXTEND THE EMPTY CONDUITS TO THE ELECTRICAL ROOM IN THE CONCESSION BUILDING.
6	PROVIDE HANDHOLE BOX WITH DUPLEX RECEPTACLE.
7	PROVIDE WEATHERPROOF RECEPTACLE MOUNTED TO THE BACKSIDE OF THE GOALPOST. PROVIDE 2#10, 1#10 GND IN 3/4" CONDUIT TO FEED THE RECEPTACLE FROM THE TRACK TIMING PANEL.
8	REROUTE AND REFEED EXISTING ELECTRICAL CONNECTION FOR MUSCO LIGHTS. EXTEND CONDUIT AND WIRE AS NECESSARY FOR NEW PANEL LOCATIONS.
9	REROUTE AND REFEED EXISTING ELECTRICAL CONNECTION FOR EXISTING TIMER BOARD. EXTEND CONDUIT AND WIRE AS NECESSARY FOR NEW ELECTRICAL PANEL LOCATIONS.

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT

NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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NO.	DESCRIPTION	DATE

PROJECT NUMBER	223050.00
DATE OF ISSUE	11.06.2023
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CHECKED BY	NI

ELECTRICAL SITE PLAN

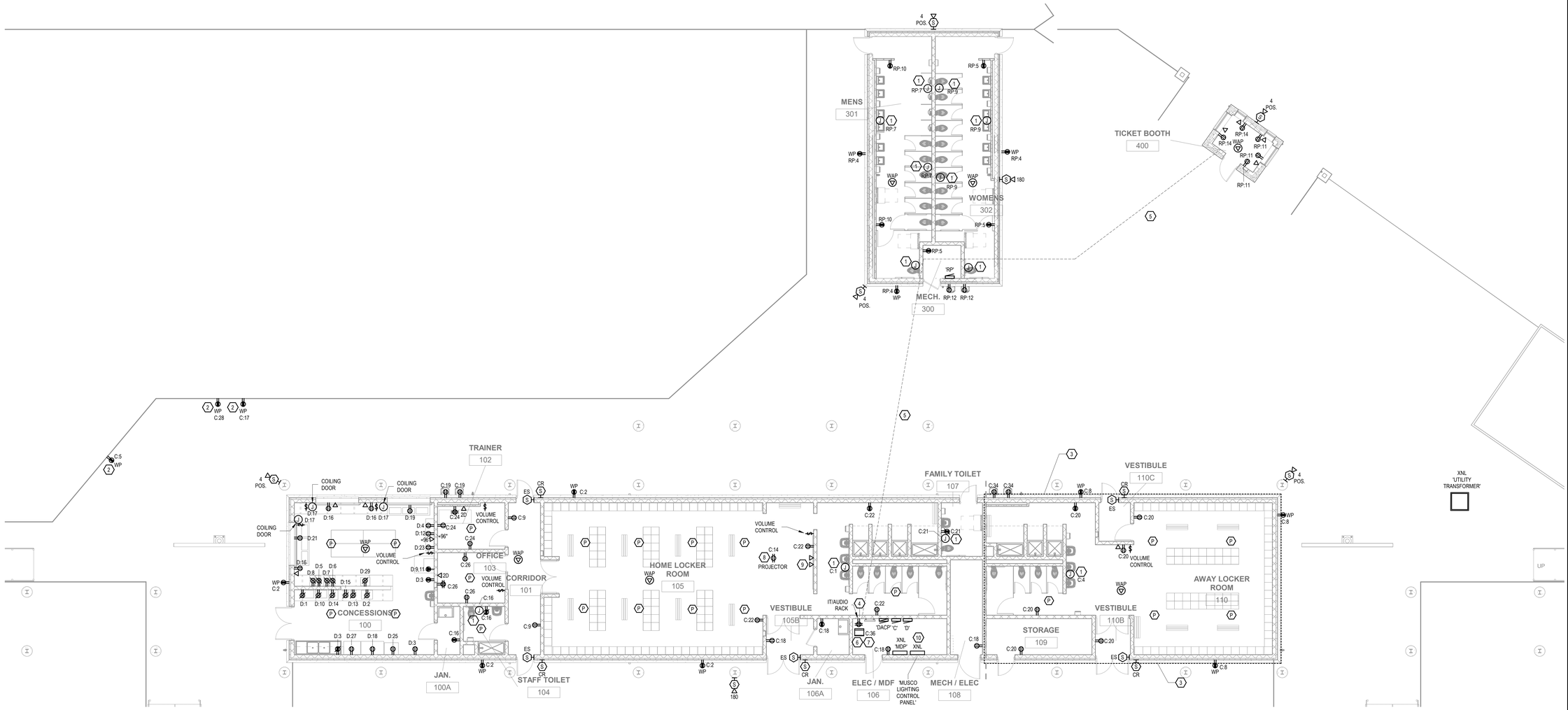
E-100
BID PACKAGE 2

 # KEYNOTES

1. PROVIDE ALL WIRING AND CONDUIT FOR ELECTRICAL CONNECTIONS FOR RESTROOM PLUMBING EQUIPMENT AUTOMATIC SENSORS AND EQUIPMENT LOW VOLTAGE TRANSFORMER FOR A FULLY OPERATIONAL SYSTEM PER MANUFACTURER'S INSTALLATION REQUIREMENTS. EC SHALL MOUNT LOW VOLTAGE TRANSFORMER FEEDING SENSORS ABOVE ACCESSIBLE LOCATION IN CEILING PROVIDED BY OTHERS IF NOT INTEGRAL TO EQUIPMENT.
2. REFER TO DETAIL 3/E-300 FOR OUTDOOR RECEPTACLE MOUNTING DETAIL. COORDINATE EXACT LOCATION OF CONCESSION TRAILER AND LOCATION OF RECEPTACLE DEVICE.
3. AREA IS ALTERNATIVE BID.
4. PROVIDE DEDICATED RECEPTACLE DEVICE FOR IT RACK. COORDINATE FINAL DEVICE LOCATION WITH IT EQUIPMENT CONTRACTOR.
5. PROVIDE 2 1" CONDUITS FROM THE IT RACK IN THE CONCESSION BUILDING TO THE RESTROOM BUILDING AND TICKET BOOTH FOR DATA CONNECTIONS.
6. PROVIDE PLYWOOD BACKBOARD FOR LOW VOLTAGE EQUIPMENT.
7. COORDINATE WITH THE CIVIL CONTRACTOR TO ROUTE THE NEW FIBER SERVICE INTO THE STORAGE ROOM. PROVIDE (1) 2" CONDUIT WITH PULL STRING FOR FIBER. COORDINATE WITH OWNER AND SERVICE PROVIDER FOR INSTALLATION OF FIBER.
8. THE PROJECTOR IS PROVIDED BY THE SCHOOL DISTRICT, INSTALLED BY THE EC.
9. PROVIDE HDMI CONNECTION WITH WALL PLATE FOR DISPLAY TO CEILING MOUNTED PROJECTOR.
10. RELOCATE MUSCO LIGHTING CONTROL PANEL INCLUDED WITH MUSCO LIGHTING PACKAGE PROVIDED BY NORTH SCOTT SCHOOL DISTRICT PER MANUFACTURER REQUIREMENTS.

GENERAL NOTES:

1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. SECURITY CAMERAS AND CARD READERS ARE PROVIDED BY THE SCHOOL DISTRICT. INSTALLED BY EC.
3. PROVIDE SEPARATE GROUNDING CONDUCTOR SIZED PER NEC 250.122 INSTALLED ON ALL MECHANICAL EQUIPMENT. REFER TO E-400 FOR FEEDER AND GROUND SIZES.
4. SPECIFICATIONS FOR PAGING SPEAKERS ARE PROVIDED BY SCHOOL DISTRICT.



1 E-101 FIRST FLOOR POWER PLAN
1/8" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT
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FIRST FLOOR POWER PLAN

E-101
BID PACKAGE 2

GENERAL NOTES:

1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. PROVIDE SEPARATE GROUNDING CONDUCTOR SIZED PER NEC 250.122 INSTALLED ON ALL MECHANICAL EQUIPMENT. REFER TO E-400 FOR FEEDER AND GROUND SIZES.

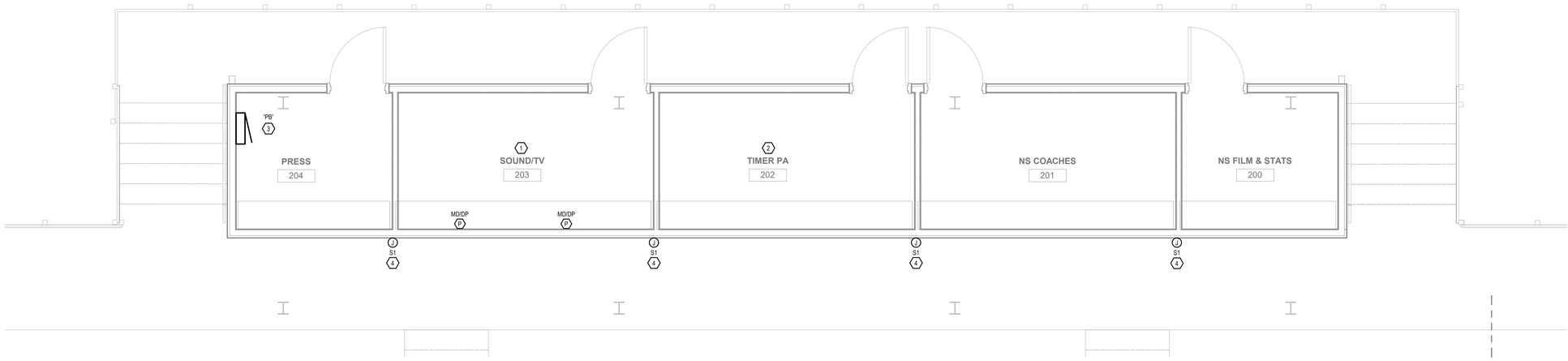
 # KEYNOTES

1 REROUTE EXISTING CONDUIT, WIRE, AND FIBER FROM THE OLD PRESS BOX AND INTEGRATE INTO THE MDF IN THE NEW CONCESSION BUILDING FOR EQUIPMENT RELOCATION. EXTEND EXISTING CONDUIT AND WIRE AS NECESSARY.

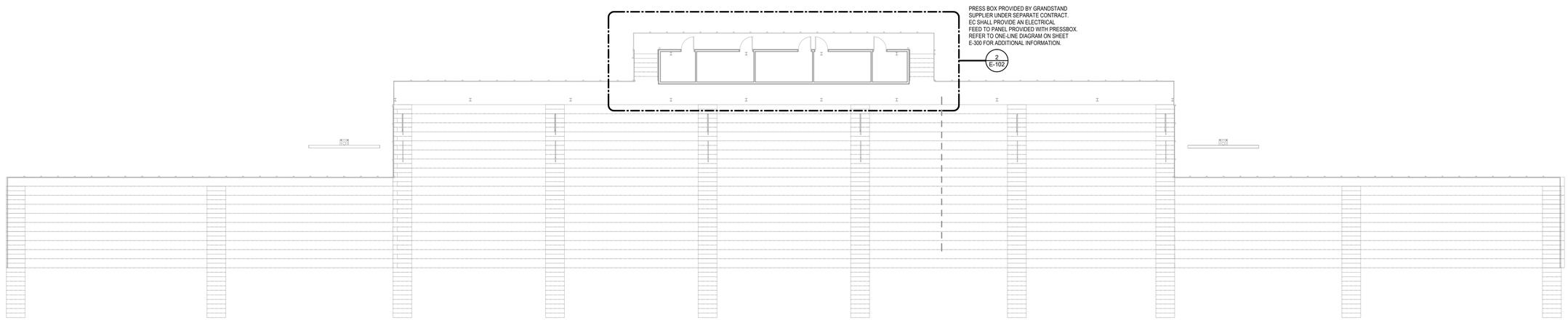
2 REROUTE EXISTING CONDUIT AND WIRE FOR EXISTING SCOREBOARD CONTROLS FROM THE OLD PRESS BOX AND INTEGRATE INTO THE MDF IN THE NEW CONCESSION BUILDING FOR EQUIPMENT RELOCATION. EXTEND EXISTING CONDUIT AND WIRE AS NECESSARY.

3 REROUTE EXISTING CONDUIT AND WIRE FOR EXISTING FLAG LIGHTS FROM THE OLD PRESS BOX AND INTEGRATE INTO THE NEW PRESS BOX PANEL BOARD. EXTEND EXISTING CONDUIT AND WIRE AS NECESSARY.

4 PROVIDE 2-PAIR #14 AWG TWISTED/SHIELDED CABLE IN 1" CONDUIT FROM PRESS BOX AUDIO RACK TO 4" X 4" JUNCTION BOX AT 13'0" ABOVE GRADE FOR SPEAKERS.



2 / E-102 PRESSBOX ELECTRICAL PLAN
3/8" = 1'-0"



1 / E-102 SECOND FLOOR ELECTRICAL PLAN
3/32" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT

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SECOND FLOOR AND PRESSBOX ELECTRICAL PLAN

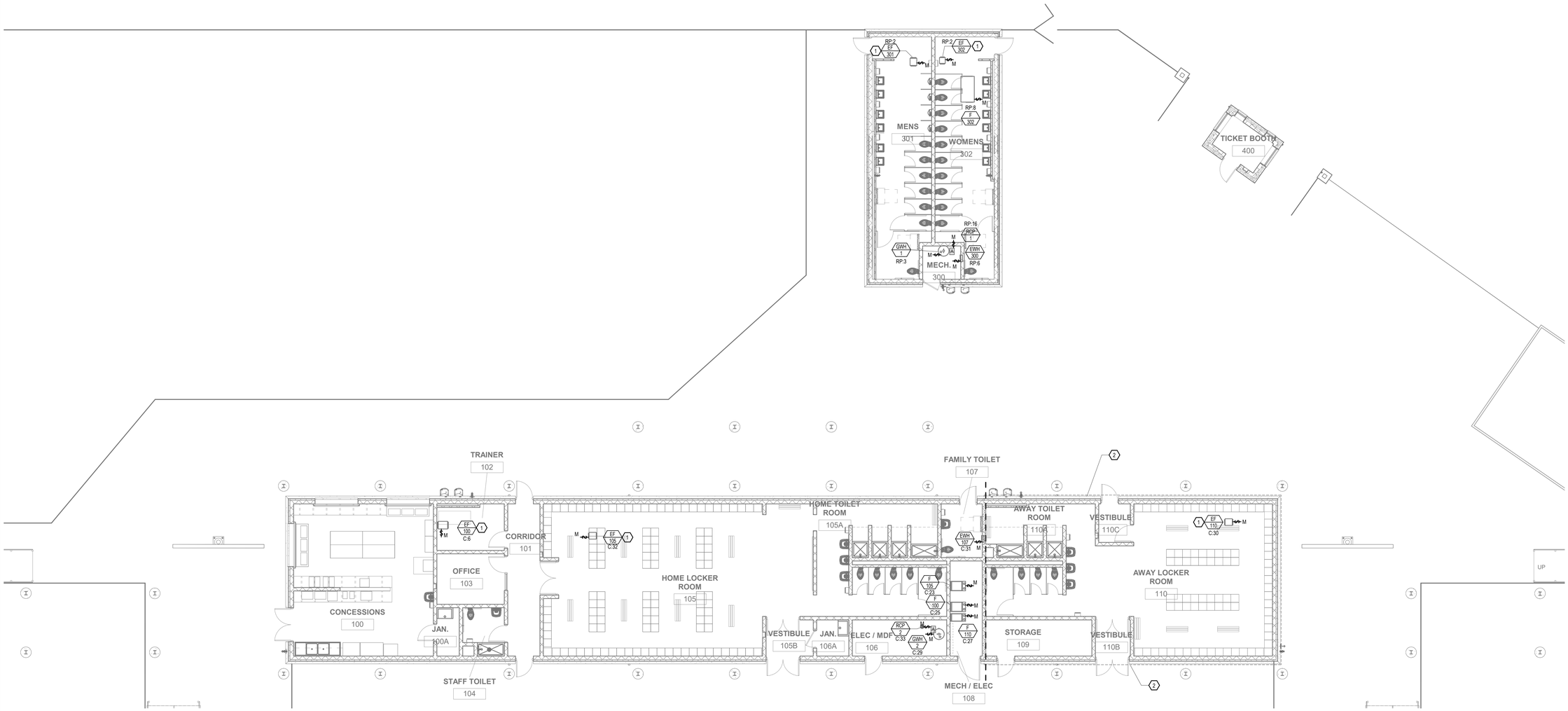
E-102
BID PACKAGE 2

GENERAL NOTES:

1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. PROVIDE SEPARATE GROUNDING CONDUCTOR SIZED PER NEC 250.122 INSTALLED ON ALL MECHANICAL EQUIPMENT. REFER TO E-400 FOR FEEDER AND GROUND SIZES.

 # KEYNOTES

1. EXHAUST FAN TO BE CONTROLLED AUTOMATICALLY BY TIME-CLOCK, OR MANUALLY BY OVERRIDE SWITCH. COORDINATE HOURS OF OPERATION WITH OWNER.
2. AREA IS ALTERNATIVE BID.



1 / E-103 FIRST FLOOR MECHANICAL COORDINATION PLAN

1/8" = 1'-0"

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

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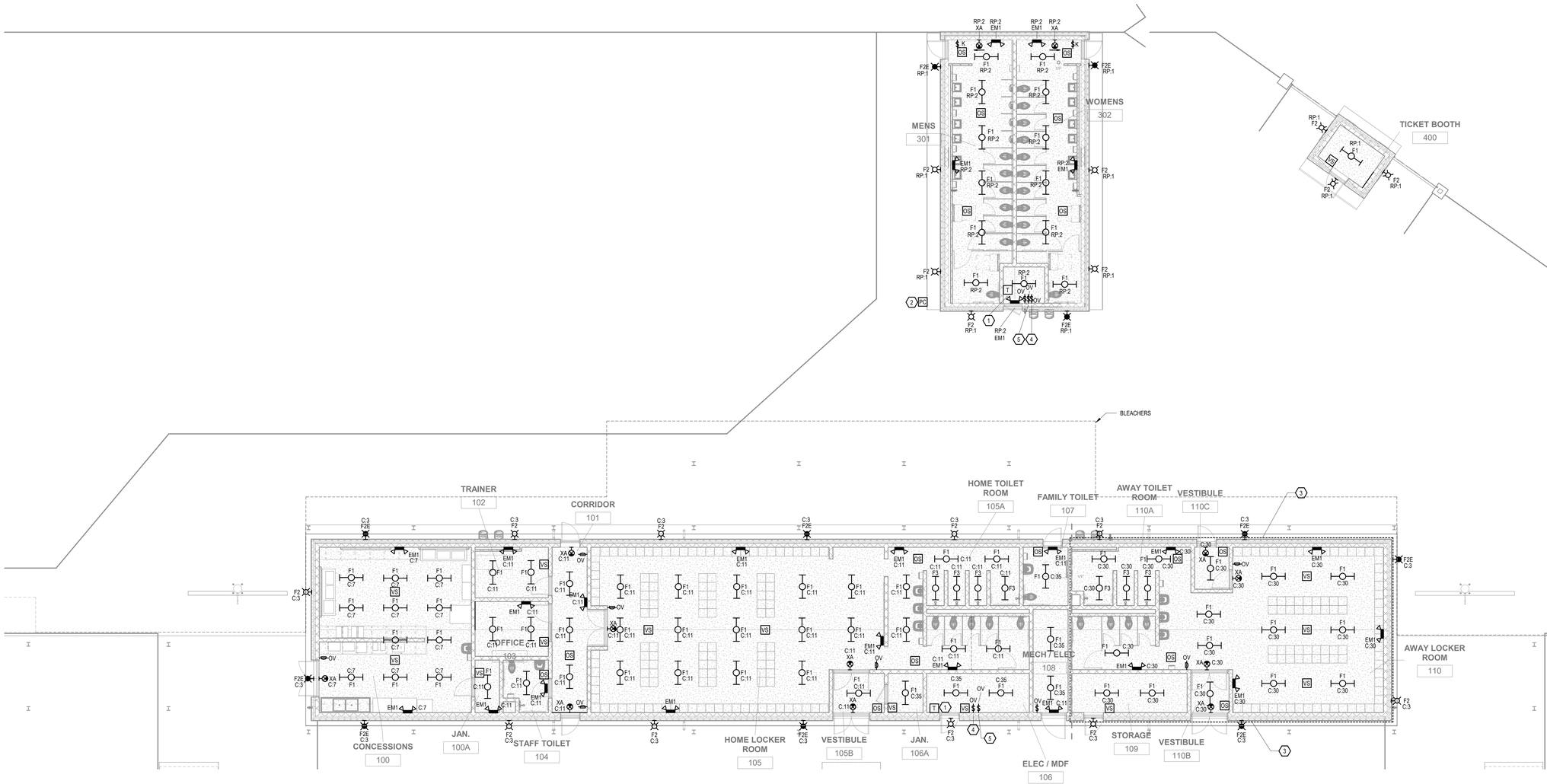
ELECTRICAL MECHANICAL COORDINATION PLAN

E-103
BID PACKAGE 2

GENERAL NOTES:

1. RERFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. FOR ALL CEILING MOUNTED OCCUPANCY SENSORS, PROVIDE ALL NECESSARY COMPONENTS FOR A COMPLETE AND OPERATIONAL SYSTEM, INCLUDING OCCUPANCY SENSORS, POWER PACKS, WALL OVERRIDE SWITCHES, RELAYS ETC.

#	KEYNOTES
1	PROVIDE TIME CLOCK AND RELAY PANEL FOR EXHAUST FANS AND EXTERIOR LIGHTING CIRCUITS (NOT INCLUDING FIELD LIGHTING). EXTERIOR LIGHTS TO BE CONTROLLED AUTOMATICALLY BY THE TIME-CLOCK AND THE PHOTOCELL, OR MANUALLY BY A SWITCH. EXHAUST FANS TO BE CONTROLLED AUTOMATICALLY BY A TIME-CLOCK, OR MANUALLY BY A SWITCH.
2	PROVIDE A BUILDING MOUNTED PHOTO-CELL. EXACT LOCATION TO BE DETERMINED ON SITE.
3	AREA IS ALTERNATIVE BID.
4	OVERRIDE SWITCH FOR THE EXHAUST FANS IN BUILDING.
5	OVERRIDE SWITCH FOR EXTERIOR LIGHTS.



1 / E-201 FIRST FLOOR LIGHTING PLAN
1/8" = 1'-0"

LEGATARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT
NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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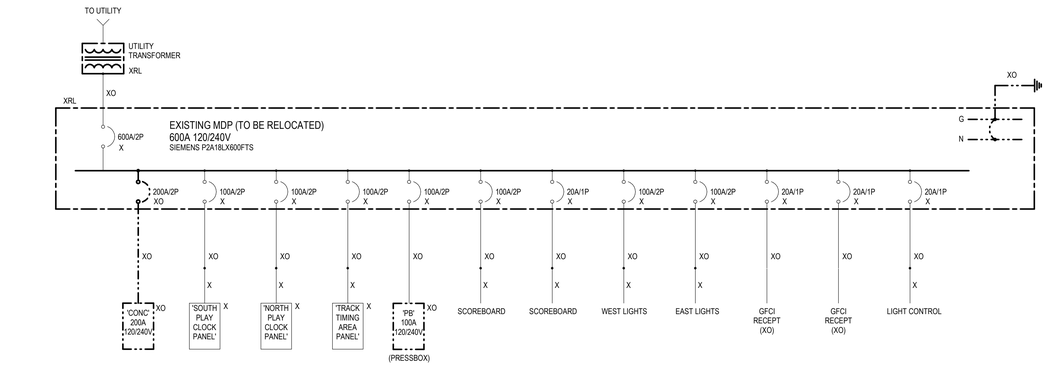
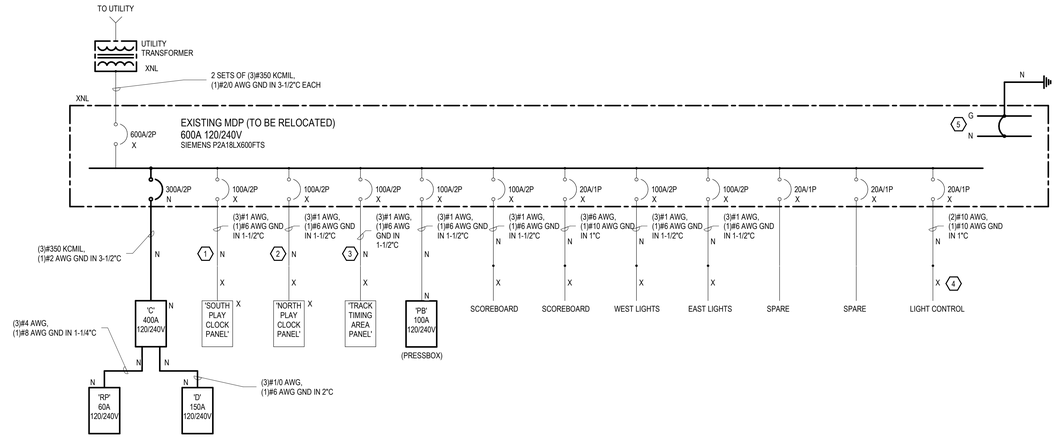
FIRST FLOOR LIGHTING PLAN

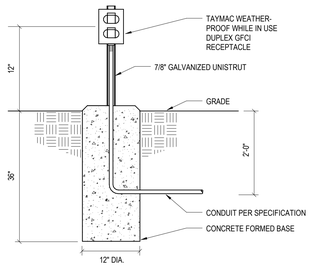
E-201
BID PACKAGE 2



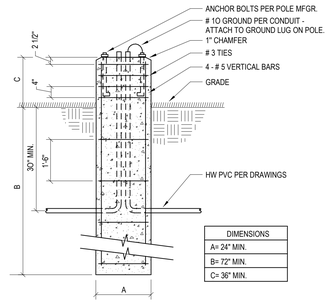
1 DEMOLITION ONELINE DIAGRAM
E-300 SCALE: N.T.S.



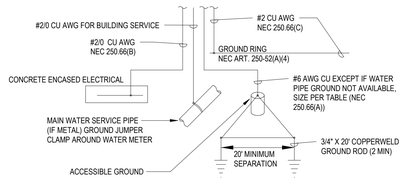
2 NEW ONLINE DIAGRAM
E-300 SCALE: N.T.S.



3 OUTDOOR RECEPTACLE MOUNTING DETAIL
E-300 SCALE: N.T.S.



4 FIXTURE TYPE "S1" POLE BASE DETAIL
E-300 SCALE: N.T.S.



5 GROUNDING DETAIL
E-300 SCALE: N.T.S.

GENERAL NOTES:

1. REFER TO GENERAL NOTES AND SYMBOLS ON SHEET E-000.
2. EXISTING ONELINE IS SHOWN FOR REFERENCE ONLY. EC SHALL FIELD VERIFY EXISTING CONDITIONS.

 # KEYNOTES

1 REROUTE AND REFEED EXISTING ELECTRICAL CONNECTION FOR EXISTING SOUTH PLAY CLOCK PANEL. EXTEND CONDUIT AND WIRE AS NECESSARY FOR NEW ELECTRICAL PANEL LOCATIONS.

2 REROUTE AND REFEED EXISTING ELECTRICAL CONNECTION FOR EXISTING NORTH PLAY CLOCK PANEL. EXTEND CONDUIT AND WIRE AS NECESSARY FOR NEW ELECTRICAL PANEL LOCATIONS.

3 REROUTE AND REFEED EXISTING ELECTRICAL CONNECTION FOR EXISTING TRACK TIMING AREA PANEL. EXTEND CONDUIT AND WIRE AS NECESSARY FOR NEW ELECTRICAL PANEL LOCATIONS.

4 REROUTE AND REFEED EXISTING ELECTRICAL CONNECTION FOR EXISTING LIGHT CONTROL CIRCUIT. EXTEND CONDUIT AND WIRE AS NECESSARY FOR NEW ELECTRICAL PANEL LOCATIONS.

5 REFER TO 5/E-300 FOR SERVICE GROUNDING DETAIL.

LEGAT ARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY

NORTH SCOTT COMMUNITY SCHOOL DISTRICT
NORTH SCOTT HIGH SCHOOL LANCER STADIUM RENOVATIONS - PHASE 2

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ELECTRICAL ONELINE DIAGRAM

E-300
BID PACKAGE 2

Branch Panel: C

Location: STORAGE 106 | **Volts:** 120/240 Single | **A.I.C. Rating:** 22K
Supply From: MDP | **Phases:** 1 | **Mains Type:** MCB
Mounting: Surface | **Wires:** 3 | **Bus Amps:** 400 A
Enclosure: Type 1 | **MCB Rating:** 300 A

CB Info	CKT	Circuit Description	Amps	Trip	Poles	A	B	Poles	Trip	Amps	Circuit Description	CKT	CB Info
	1	PLUMB. HOME LOCKER ROOM	2 A	20 A	1	240 VA 720 VA		1	20 A	6 A	POWER EXTERIOR	2	
	3	LIGHTING EXTERIOR	2.55 A	20 A	1		306 VA 240 VA	1	20 A	2 A	PLUMB. AWAY LOCKER ROOM	4	
	5	PEPSI TRAILER	8.33 A	20 A	1	1000 VA 45 VA		1	15 A	0.38 A	EF-100	6	
	7	LIGHTING ROOM 245	3.72 A	20 A	1		446 VA 540 VA	1	20 A	4.5 A	POWER EXTERIOR	8	
	9	POWER CORRIDOR	3 A	20 A	1	360 VA 5340 VA		2	50 A	42.99..	RP	10	
	11	LIGHTING ROOM 246-A, 246, 253	10.89..	20 A	1		1307 VA 4886 VA					12	
	13	D	120.5..	150 A	2	15775 VA 180 VA		1	20 A	1.5 A	PROJECTOR HOME LOCKER ROOM	14	
	15						13155 VA 600 VA	1	20 A	5 A	POWER TOILET & JAN.	16	
	17	SPIRIT TRAILER	8.33 A	20 A	1	1000 VA 720 VA		1	20 A	6 A	POWER JAN., STORAGE	18	
G	19	WATER FOUNTAIN CONCESSIONS	3 A	20 A	1		360 VA 1080 VA	1	20 A	9 A	POWER AWAY LOCKER ROOM	20	
	21	POWER ELEC., STORAGE, TOILET	3.5 A	20 A	1	420 VA 720 VA		1	20 A	6 A	POWER HOME LOCKER	22	
	23	F-105	13 A	15 A	1		1560 VA 720 VA	1	20 A	6 A	POWER TRAINER	24	
	25	F-100	13 A	15 A	1	1560 VA 720 VA		1	20 A	6 A	POWER OFFICE	26	
	27	F-110	13 A	15 A	1		1560 VA 1000 VA	1	20 A	8.33 A	SPIRIT TRAILER	28	
G	29	GWH-2	5 A	20 A	1	600 VA 1376 VA		1	20 A	11.46..	LIGHTING	30	
	31	EWH-107	13 A	20 A	1		1560 VA 696 VA	1	15 A	5.8 A	EF-105	32	
G	33	RCP-2	3.33 A	15 A	1	400 VA 360 VA		1	20 A	3 A	WATER FOUNTAIN	34	G
	35	LIGHTING - UTILITIES	2 A	20 A	1		240 VA 360 VA	1	20 A	3 A	IT/AUDIO RACK	36	
	37	POWER	3 A	20 A	1	360 VA 0 VA		1	20 A	--	SPARE	38	
	39	SITE LIGHT POLE	0.91 A	20 A	1		109 VA 0 VA	1	20 A	--	SPARE	40	
	41	SPARE	--	20 A	1	0 VA 0 VA		1	20 A	--	SPARE	42	
						Total Load: 31816 VA	30720 VA						
						Total... 265 A	256 A						

CIRCUIT BREAKER INFORMATION LEGEND:
G = GROUND FAULT PROTECTION
S = SHUNT TRIP
L = LOCK OUT
A = ARC FAULT INTERRUPTER

ABBREVIATIONS:
MCB = MAIN CIRCUIT BREAKER
CB = CIRCUIT BREAKER
CKT = CIRCUIT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	5357 VA	100.00%	5357 VA		
Kitchen Equipment - Non-Dwelling Unit	30310 VA	65.00%	19702 VA	**Total Conn. Load:**	62536 VA
Other	8094 VA	100.00%	8094 VA	**Total Est. Demand:**	51928 VA
Power	14940 VA	100.00%	14940 VA	**Total Conn.:**	261 A
Lighting	3847 VA	100.00%	3847 VA	**Total Est. Demand:**	216 A

Notes:

Branch Panel: D

Location: STORAGE 106 | **Volts:** 120/240 Single | **A.I.C. Rating:** 22K
Supply From: C | **Phases:** 1 | **Mains Type:** MCB
Mounting: Surface | **Wires:** 3 | **Bus Amps:** 150 A
Enclosure: Type 1 | **MCB Rating:** 150 A

CB Info	CKT	Circuit Description	Amps	Trip	Poles	A	B	Poles	Trip	Amps	Circuit Description	CKT	CB Info
G	1	CROC POT	1.5 A	20 A	1	180 VA 1200 VA		1	20 A	10 A	MICROWAVE	2	G
	3	POWER CONCESSIONS	11.33..	20 A	1		1360 VA 1000 VA	1	20 A	8.33 A	FRIDGE	4	G
G	5	CAPPUCINO MACHINE	15 A	20 A	1	1800 VA 1800 VA		1	20 A	15 A	CAPPUCINO MACHINE	6	G
G	7	CAPPUCINO MACHINE	15 A	20 A	1		1800 VA 1800 VA	1	20 A	15 A	CAPPUCINO MACHINE	8	G
G	9	POPCORN MACHINE (SEE NOTE 1)	27.08..	50 A	2	3250 VA 180 VA		1	20 A	1.5 A	CROC POT	10	G
	11						3250 VA 180 VA	1	20 A	1.5 A	TV CONCESSIONS	12	
G	13	CHEESE MACHINE	1.88 A	20 A	1	225 VA 1800 VA		1	20 A	15 A	WARMING OVEN	14	G
G	15	CHEESE MACHINE	1.88 A	20 A	1		225 VA 540 VA	1	20 A	4.5 A	POWER CONCESSIONS	16	
	17	COILING DOOR CONCESSIONS	4.5 A	20 A	1	540 VA 1000 VA		1	20 A	8.33 A	FRIDGE	18	G
G	19	FRIDGE	8.33 A	20 A	1		1000 VA 0 VA	1	20 A	--	SPARE	20	
G	21	FRIDGE	8.33 A	20 A	1	1000 VA 0 VA		1	20 A	--	SPARE	22	
G	23	FRIDGE	8.33 A	20 A	1		1000 VA 0 VA	1	20 A	--	SPARE	24	
G	25	FRIDGE	8.33 A	20 A	1	1000 VA 0 VA		1	20 A	--	SPARE	26	
G	27	FRIDGE	8.33 A	20 A	1		1000 VA 0 VA	1	20 A	--	SPARE	28	
G	29	HOT DOG ROLLER	15 A	20 A	1	1800 VA 0 VA		1	20 A	--	SPARE	30	
	31	SPARE	--	20 A	1		0 VA 0 VA	1	20 A	--	SPARE	32	
	33	SPARE	--	20 A	1	0 VA 0 VA		1	20 A	--	SPARE	34	
	35	SPARE	--	20 A	1		0 VA 0 VA	1	20 A	--	SPARE	36	
	37	SPARE	--	20 A	1	0 VA 0 VA		1	20 A	--	SPARE	38	
	39	SPARE	--	20 A	1		0 VA 0 VA	1	20 A	--	SPARE	40	
	41	SPARE	--	20 A	1	0 VA 0 VA		1	20 A	--	SPARE	42	
						Total Load: 15775 VA	13155 VA						
						Total... 131 A	110 A						

CIRCUIT BREAKER INFORMATION LEGEND:
G = GROUND FAULT PROTECTION
S = SHUNT TRIP
L = LOCK OUT
A = ARC FAULT INTERRUPTER

ABBREVIATIONS:
MCB = MAIN CIRCUIT BREAKER
CB = CIRCUIT BREAKER
CKT = CIRCUIT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Kitchen Equipment - Non-Dwelling Unit	27310 VA	65.00%	17752 VA		
Power	1620 VA	100.00%	1620 VA	**Total Conn. Load:**	28930 VA
				Total Est. Demand:	19372 VA
				Total Conn.:	121 A
				Total Est. Demand:	81 A

Notes:
1. PROVIDE (4)#8 AWG, (1)#10AWG IN 1"C FOR POPCORN MACHINE.

Branch Panel: RP

Location: MECH. 300 | **Volts:** 120/240 Single | **A.I.C. Rating:** 10K
Supply From: C | **Phases:** 1 | **Mains Type:** MCB
Mounting: Surface | **Wires:** 3 | **Bus Amps:** 60 A
Enclosure: Type 1 | **MCB Rating:** 60 A

CB Info	CKT	Circuit Description	Amps	Trip	Poles	A	B	Poles	Trip	Amps	Circuit Description	CKT	CB Info
	1	EXT. REST. BLDG. AND TICKET LIGHTING	1.89 A	20 A	1	227 VA 1333 VA		1	20 A	11.1 A	LIGHTING TOILETS	2	
G	3	GWH-1	5 A	20 A	1		600 VA 540 VA	1	20 A	4.5 A	RESTROOM BUILDING EXTERIOR...	4	
	5	RCEPTS. WOMENS 302	4.5 A	20 A	1	540 VA 1560 VA		1	20 A	13 A	EWH-300	6	
	7	PLUMB. MENS	8 A	20 A	1		960 VA 1560 VA	1	15 A	13 A	F-302	8	
	9	PLUMB. WOMENS	8 A	20 A	1	960 VA 360 VA		1	20 A	3 A	RECEPTS. MENS 301	10	
	11	RECEPTS. TICKET BOOTH 257	4.5 A	20 A	1		540 VA 360 VA	1	20 A	3 A	WATER FOUNTAIN	12	G
	13	SPARE	--	20 A	1	0 VA 360 VA		1	20 A	3 A	RECEPTS. TICKET BOOTH	14	
	15	SPARE	--	20 A	1		0 VA 400 VA	1	15 A	3.33 A	RCP-1	16	
	17	SPACE	--	--	1	-- 0 VA		1	20 A	--	SPARE	18	
	19	SPACE	--	--	1		-- 0 VA	1	20 A	--	SPARE	20	
	21	SPACE	--	--	1	-- --		1	--	--	SPACE	22	
	23	SPACE	--	--	1		-- --	1	--	--	SPACE	24	
	25	SPACE	--	--	1	-- --		1	--	--	SPACE	26	
	27	SPACE	--	--	1		-- --	1	--	--	SPACE	28	
	29	SPACE	--	--	1	-- --		1	--	--	SPACE	30	
						Total Load: 5340 VA	4886 VA						
						Total... 44 A	41 A						

CIRCUIT BREAKER INFORMATION LEGEND:
G = GROUND FAULT PROTECTION
S = SHUNT TRIP
L = LOCK OUT
A = ARC FAULT INTERRUPTER

ABBREVIATIONS:
MCB = MAIN CIRCUIT BREAKER
CB = CIRCUIT BREAKER
CKT = CIRCUIT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2360 VA	100.00%	2360 VA		
Other	2492 VA	100.00%	2492 VA	**Total Conn. Load:**	10222 VA
Power	4620 VA	100.00%	4620 VA	**Total Est. Demand:**	10222 VA
Lighting	760 VA	100.00%	760 VA	**Total Conn.:**	43 A
				Total Est. Demand:	43 A

Notes:

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	FIXTURE TYPE	LIGHT SOURCE K	LIGHT SOURCE CRI	INPUT WATTS	VOLTS	SPECIFIED FIXTURE MANUFACTURER	SPECIFIED FIXTURE MODEL NO.
EM1	EMERGENCY FIXTURE	<varies>	0		1	120	LUMINATION LITHONIA COOPER	LUMEL EU2C ATLEM SERIES
F1	SURFACE MOUNT VANDAL RESISTANT FIXTURE	LED	3500	80	40	120	LCD LUMINAIRE LED FAIL-SAFE	RW34-1/W43-35/80-AW-VAR-DM-APD VPF4 SERIES HVSL2-SQ SERIES
F2	WALLPACK (@ 7' 6" AFF)	LED	3000	70	17	120	EVOLVE LITHONIA COOPER	EWL502-0-25-AF-7-30-N-1-FM-DKBZ WEDGE2 SERIES ENC
F2E	WALLPACK W/ BATTERY BACKUP (@ 7' 6" AFF)	LED	3000	70	17	120	EVOLVE LITHONIA COOPER	EWL502-0-25-AF-7-30-N-1-FM-DKBZ-EMBB WEDGE 2 SERIES ENC
F3	SURFACE MOUNT VANDAL RESISTANT FIXTURE	LED	3500	80	19	120	LCD LUMINAIRE LED FAIL-SAFE	RW34-1W20-35/80-AW-VAR-DM-APW VPF4 SERIES HVSL2-SQ SERIES
S1	SINGLE HEAD POLE MOUNTED FIXTURE WITH SQUARE STEEL 17' POLE WITH HANDHOLE AND VIBRATION DAMPER. REFER TO LIGHT POLE BASE INSTALLATION DETAIL 4/E-300 FOR ADDITIONAL INFORMATION.	LED	3000	80	109	120	LITHONIA BEACON COOPER	RSX1 LED-P3-30K-R4-MVOLT-SPA-DDBXD POLE: SSS 22' 4G DM19AS VD NEC DDBXD RAR1 SERIES GALLEON SERIES
XA	WALL MOUNTED SINGLE FACE EXIT SIGN	LED	0		5	120	LITHONIA COMPASS EMERGI-LITE	LQM-S-W-R-120/277-EL-N CER WPREMSNXR

NOTES:
1. PROVIDE ALL NECESSARY MOUNTING HARDWARE AND ACCESSORIES FOR A COMPLETE INSTALLATION OF FIXTURE(S) IN THE SPACE. COORDINATE ALL INSTALLATION REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
2. THE FIRST LISTED FIXTURE PRODUCT IN THE APPROVED MANUFACTURERS COLUMN WITH A FULL PRODUCT NUMBER FOR EACH FIXTURE TYPE IS THE BASIS OF DESIGN. ADDITIONAL APPROVED PRODUCT SERIES LISTED MUST MEET ALL THE CHARACTERISTICS LISTED AS THE BASIS OF DESIGN FIXTURE. FINAL PRODUCT APROVAL WILL BE PROVIDED DURING THE SUBMITTAL PROCESS.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

TAG <1>	DESCRIPTION <2>	LOAD <3>	WIRE/CONDUIT <4>	STARTER <5>	VOLTAGE <6>	LOCAL DISCONNECT <7>	REMARKS
F -	FORCED AIR FURNACE (100,105,110,302)	13 MCA 15 MOCP	(2) #12 AWG (1) #12 AWG EQ. GND. 3/4" C.	☐ PROVIDED BY MC ☐ IN MCC NEMA SIZE ☐ TYPE	120V 1P	☐ FUSED A FUSE ☒ NON-FUSED A SWITCH ☐ THERMAL SWITCH, 120V,1P	DISCONNECT PROVIDED BY EC.
EF 100	EXHAUST FAN	0.05 HP	(2) #12 AWG (1) #12 AWG EQ. GND. 3/4" C.	☐ PROVIDED BY MC ☐ IN MCC NEMA SIZE ☐ TYPE	120V 1P	☐ FUSED A FUSE ☒ NON-FUSED A SWITCH ☐ THERMAL SWITCH, 120V,1P	DISCONNECT PROVIDED BY EC. PROVIDE ADDITIONAL CONDUIT AND WIRE FOR DAMPER AS REQUIRED FOR INSTALLATION.
EF -	EXHAUST FAN (105,110)	0.25 HP	(2) #12 AWG (1) #12 AWG EQ. GND. 3/4" C.	☐ PROVIDED BY MC ☐ IN MCC NEMA SIZE ☐ TYPE	120V 1P	☐ FUSED A FUSE ☒ NON-FUSED A SWITCH ☐ THERMAL SWITCH, 120V,1P	DISCONNECT PROVIDED BY EC. PROVIDE ADDITIONAL CONDUIT AND WIRE FOR DAMPER AS REQUIRED FOR INSTALLATION.
EF -	EXHAUST FAN (301,302)	0.13 HP	(2) #12 AWG (1) #12 AWG EQ. GND. 3/4" C.	☐ PROVIDED BY MC ☐ IN MCC NEMA SIZE ☐ TYPE	120V 1P	☐ FUSED A FUSE ☒ NON-FUSED A SWITCH ☐ THERMAL SWITCH, 120V,1P	DISCONNECT PROVIDED BY EC. PROVIDE ADDITIONAL CONDUIT AND WIRE FOR DAMPER AS REQUIRED FOR INSTALLATION.
EWH -	ELECTRIC WALL HEATER (107,300)	13 AMPS	(2) #12 AWG (1) #12 AWG EQ. GND. 3/4" C.	☐ PROVIDED BY MC ☐ IN MCC NEMA SIZE ☐ TYPE	120V 1P	☐ FUSED A FUSE ☒ NON-FUSED A SWITCH ☐ THERMAL SWITCH, 120V,1P	DISCONNECT PROVIDED BY EC
GWH -	GAS WATER HEATER (1,2)	5 AMPS	(2) #12 AWG (1) #12 AWG EQ. GND. 3/4" C.	☐ PROVIDED BY MC ☐ IN MCC NEMA SIZE ☐ TYPE	120V 1P	☐ FUSED A FUSE ☒ NON-FUSED A SWITCH ☐ THERMAL SWITCH, 120V,1P	DISCONNECT PROVIDED BY EC
RCP -	RECIRCULATION PUMP (1,2)	.17 HP	(2) #12 AWG (1) #12 AWG EQ. GND. 3/4" C.	☐ PROVIDED BY MC ☐ IN MCC NEMA SIZE ☐ TYPE	120V 1P	☐ FUSED A FUSE ☒ NON-FUSED A SWITCH ☐ THERMAL SWITCH, 120V,1P	DISCONNECT PROVIDED BY EC

SCHEDULE KEY NOTES

1 VERIFY FINAL LOCATION OF ALL EQUIPMENT WITH EQUIPMENT INSTALLER BEFORE INSTALLING FEEDERS.
2 SEE ARCHITECTURAL, MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR MORE INFORMATION.
3 SIZE STARTER/FEEDER DISCONNECT PER FINAL EQUIPMENT REQUIREMENTS.
4 PROVIDE FEEDERS AS INDICATED, VERIFY WITH EQUIPMENT REQUIREMENTS.
5 COORDINATE FINAL STARTER WIRING REQUIREMENTS WITH MECHANICAL EQUIPMENT, PROVIDE ADDITIONAL WIRING AS REQUIRED FOR INSTALLATION STARTER(S) FOR MECHANICAL EQUIPMENT. PROVIDE OVERLOAD PROTECTION (FUSES OR MOTOR CIRCUIT PROTECTOR) PER SPECIFICATIONS, ACTUAL FIELD
6 VERIFY FINAL VOLTAGE AND PHASE REQUIREMENTS OF ALL EQUIPMENT WITH INSTALLER BEFORE INSTALLING FEEDERS.
7 EC TO PROVIDE LOCAL DISCONNECT WITHIN 5'-0" OF EQUIPMENT. NON-STANDARD ITEMS, TIMERS, METERS, INTERLOCKS, ETC.

SCHEDULE GENERAL NOTES

1. PROVIDE POWER CONNECTIONS TO ALL ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND OWNER FURNISHED EQUIPMENT. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR LOCATIONS AND POWER REQUIREMENTS. VERIFY ALL TECHNICAL DATA WITH FINAL SHOP DRAWINGS.
2. OVER CURRENT PROTECTION SIZES LISTED ARE FROM MANUFACTURER'S AND STANDARD MOTOR DATA, FURNISH FUSES BASED ON FUSE MANUFACTURER'S STANDARDS, ACTUAL FIELD MEASURED FULL LOAD CURRENT, AND EQUIPMENT MANUFACTURER'S REQUIREMENTS.
3. FLEXIBLE CONNECTIONS TO MOTORS SHALL BE IN FLEXIBLE CONDUIT. PROVIDE COPPER EQUIPMENT GROUND FROM DISCONNECT TO MOTOR CONNECTION.
4. EC TO COORDINATE WITH THE MECHANICAL EQUIPMENT SCHEDULES TO PROVIDE DISCONNECTS FOR THE MECHANICAL EQUIPMENT.

AUDIO SYSTEM SCHEDULE

LOCATION	QUANTITY	MANUFACTURER/MODEL	DESCRIPTION
FOOTBALL STADIUM	1	ATLAS IED AZM4-US	ATMOSPHERE 4-ZONE AUDIO PROCESSOR (RACK MOUNT)
	1	ATLAS IED C-ZSV-US	ATMOSPHERE ZONE, SOURCE, AND VOLUME WALL CONTROLLER (WHITE)
	1	ATLAS DPA404	400-WATT NETWORKABLE 4-CHANNEL POWER AMPLIFIER WITH OPTIONAL DANTE NETWORK AUDIO (RACK MOUNT)
	1	ATLAS IED A-RCA-US	ATMOSPHERE RCA/3.5mm AUDIO INPUT (WHITE)
	2	ATLAS IED SG-XLR-F1	SINGLE GANG STAINLESS STEEL PLATE WITH (1) FEMALE 3 PIN XLR
	2	ATLAS IED M600-DT	PAGING/CONFERENCE DESKTOP MICROPHONE
	2	ATLAS IED AS2XLR-3M	XLR CABLE (3 METERS)
	4	ATLAS IED APX40TN (S1) SPEAKER	CONSTANT-DIRECTIVITY 40W PAGING SPEAKER WITH ROTATING BELL
	5	ATLAS IED SM42T-B (Z-) SPEAKER	4" 2-WAY ALL WEATHER SPEAKER WITH 16-WATT 70V/100V TRANSFORMER (BLACK)
	1	ATLAS IED WMA10-23	10RU HIGH STRENGTH WALL CABINET WITH ADJUSTABLE RAILS, 23.5 INCH DEEP
	1	ATLAS IED MPFD10	1 INCH DEEP MICRO PERF DOOR FOR WMA 10RU (RACK MOUNT)
	1	ATLAS IED AP-S15A	15A POWER CONDITIONER AND DISTRIBUTION UNIT FOR IEC POWER CORD (RACK MOUNT)
	1	ATLAS IED SH1-10	VENTED ALL-PURPOSE RACK SHELF 1RU (RACK MOUNT)
	5	ATLAS IED PPR1	RECESSED VENT RACK PANEL 1RU (RACK MOUNT)

GENERAL NOTES:

1. EC SHALL PROVIDE ALL EQUIPMENT, WIRING, CONDUIT, AND BOXES FOR A FULLY OPERATIONAL SYSTEM.
2. PROVIDE 1-PAIR #18AWG TWISTED/SHIELDED CABLE. TYPICAL OF ALL SPEAKER CIRCUITS.
3. COORDINATE CABLING REQUIREMENTS FOR CONNECTION TO CUSTOMER PROVIDED MUSIC SOURCE(S) PRIOR TO INSTALLATION.
4. SUBSTITUTIONS/ALTERNATES CAN BE SUBMITTED DURING THE BIDDING PROCESS TO BE REVIEWED AND APPROVED BY THE DESIGN TEAM.
5. PROGRAM AND SET MAXIMUM OUTPUT THRESHHOLDS FOR PROTECTION OF OVER DRIVING SPEAKERS.

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